

The impact of ambient temperature on the incidence of urolithiasis: a systematic review and meta-analysis¹

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Supplement Table S1 Quality assessment of included time-series studies.

Study Arthur, Year	Climatic Temperature		Urolithiasis Case		Analysis			Total ^h
	Source ^a	Selection ^b	Sourced ^c	Definition ^d	Regression ^e	Cofounders ^f	Lag Response ^g	
al-Hadramy at al, 1997	1	0	0	0	1	0	0	2
Borg at al, 2017	1	1	1	1	1	0	1	6
Buttigieg at al, 2016	1	1	0	1	1	0	0	4
Cepeda at al, 2015	1	1	0	1	1	0	0	4
Chauhan at al, 2004	1	1	1	1	1	0	0	5
Chen at al, 2008	1	1	1	1	1	0	1	6
Conдеми at al, 2015	1	0	0	1	1	1	1	5
Fletcher at al, 2012	1	1	1	1	1	1	1	7
Gaziev at al, 2016	1	0	0	1	1	1	0	4
Lee at al, 2016	1	1	1	1	1	1	1	7
Lin at al, 2014	1	1	0	1	1	1	0	5
Lo at al, 2010	1	1	1	1	1	0	0	5
Ordon at al, 2016	1	1	1	1	1	1	1	7
Park at al, 2015	1	1	1	1	1	1	0	6
Sirohi at al, 2014	1	1	1	1	1	1	1	7
Tasian at al, 2014	1	1	1	1	1	1	1	7
Yang at al, 2016	1	1	1	1	1	1	1	7
Freeg at al, 2012	1	1	1	1	1	0	0	5
Malig et al, 2019	1	1	1	1	1	1	1	9

^aData of temperature is obtained from trustworthy institution and complete(missing data <25%)

^bData of temperature matches the location of urolithiasis cases

^cUrolithiasis Cases are obtained from multicenter

^dUrolithiasis Cases are ascertained by International Classification of Diseases code or specific diagnose criteria

^eAnalysis regression model and software was documented in the article

^fConfounders(sunlight, humidity) are controled in the analysis

^gLag response is evaluated

^hTotal: minimum equals 1;maximum equals 7

Low quality:0-3; Intermediate quality: 4-6; Good quality: 7

Supplement Table S2 Quality assessment of included cross-sectional studies based on JBI checklist.

Item	Atan et al, 2005	Borghi et al, 1993	Pin et al, 1992	Safarinejad et al, 2007
1. Were the criteria for inclusion in the sample clearly defined?	Y	Y	Y	Y
2. Were the study subjects and the setting described in detail?	Y	Y	Y	Y
3. Was the exposure measured in a valid and reliable way?	Y	Y	Y	Y
4. Were objective, standard criteria used for measurement of the condition?	N	Y	Y	Y
5. Were confounding factors identified?	N	N	N	Y
6. Were strategies to deal with confounding factors stated?	N/A	N/A	N/A	Y
7. Were the outcomes measured in a valid and reliable way?	N	Y	Y	Y
8. Was appropriate statistical analysis used?	Y	Y	Y	Y
Overall appraisal: Include/Exclude/Seek further info	Include	Include	Include	Include

Y:Yes; N:No; U:Unclear N/A: Not Applicable

Supplement Table S3 Quality assessment of included case-control studies based on NOS scale.

Item	Luo et al, 2014
Selection	1) Is the case definition adequate?
	2) Representativeness of the cases
	3) Selection of Controls
	4) Definition of Controls
Comparability	1) Study controls for the most important factor
	2) Study controls for any additional factor
Exposure	1) Ascertainment of exposure
	2) Same method of ascertainment for cases and controls
	3) Non-Response rate
Total	8

Low quality:0-3; Intermediate quality: 4-6; Good quality:7-9

Supplement Document 1 Summary of the search strings of different databases.

PubMed: (climate OR weather OR season OR occupation OR work) AND (urolithiasis OR calculi OR nephrolithiasis OR renal colic OR kidney stone OR ureter stone OR bladder stone) AND (temperature OR heat OR hot)

Web of Science: (TS = (climate OR weather OR season OR occupation OR work) AND TS = (urolithiasis OR calculi OR nephrolithiasis OR renal colic OR kidney stone OR ureter stone OR bladder stone) AND TS = (temperature OR heat OR HOT)) and DOCUMENT TYPES: (Article)

Scopus: TITLE-ABS-KEY ((climate OR weather OR season OR occupation OR work) AND (urolithiasis OR calculi OR nephrolithiasis OR renal AND colic OR kidney AND stone OR ureter AND stone OR bladder AND stone) AND (temperature OR heat OR hot))

QUALITY ASSESSMENT SCALE FOR TIME-SERIES STUDIES

Note: A study can be awarded a maximum of one star for each numbered item.

Climatic Temperature:

1) Source of the climatic temperature data

- a) Data was obtained from national or local meteorological institution. ✱
- b) Data was collected by researchers with complete formal records. ✱
- c) Data was collected by researchers with incomplete or informal records.
- d) Source of climatic temperature data was not specified.

2) Matching degree of the climatic temperature and location of urolithiasis cases

- a) Measures were performed to match the regions of climatic temperature to the cover area of included medical institutions (e.g. choose the nearest weather station). ✱
- b) The cover area of included medical institutions is vast enough to cover the regions of climatic temperature data (e.g. multi-central studies or single hospital with great local influence). ✱
- c) No description of the measuring degree of the climatic temperature and location of urolithiasis cases.

Urolithiasis Case:

3) Source of the Urolithiasis Cases

- a) Data was obtained from national databases. ✱
- b) Data was collected by researchers from relevant medical institutions with complete formal records. ✱
- c) Data was collected by researchers with incomplete or informal records.
- d) Source of Urolithiasis Cases data was not specified.

4) Definition of urolithiasis cases

- a) Cases were researched from database with valid search strategy (e.g. International Classification of Diseases code). ✱
- b) Cases were collected from medical institution with specific diagnosis criteria (e.g. symptoms and imaging). ✱
- c) No description of the including criteria of urolithiasis cases.

Analysis:**5) Analysis model of the Urolithiasis Cases**

a) Analysis model and analytic software was documented in the article. ✱

b) Analytic model or software was not specified.

6) Confonders in the included studies

a) At least one confounder was controlled in the analysis (e.g. sunlight, humidity). ✱

b) Confounders were identified in the analysis but not controlled.

. d) Confounders was not specified.

7) Lag response of the effect of temperature on the incidence of urolithiasis

a) Lag response was evaluated in the analysis. ✱

b) Lag response was not evaluated in the analysis

Supplement Document 3 List of studies after exclusion based on titles and abstracts.

1. Al-Dabbagh TQ, Fahadi K. Seasonal variations in the incidence of ureteric colic. *Br J Urol* 1977;49(4):269-75.
2. al-Hadramy MS. Seasonal variations of urinary stone colic in Arabia. *J Pak Med Assoc* 1997;47(11):281-4.
3. Atan L, Andreoni C, Ortiz V, Silva EK, Pitta R, Atan F, et al. High kidney stone risk in men working in steel industry at hot temperatures. *Urology* 2005;65(5):858-61.
4. Atescelik M, Yilmaz M, Gurger M, Yildiz M. The effect of meteorological parameters on the number of renal colic patients. *Urolithiasis* 2015;43(4):331-7.
5. Bailly V, Le Ray I, Bardonnaud N, Pillot P, Martin L, Pastori J, et al. [Meteo-U-rology: climate impact on urological emergencies]. *Prog Urol* 2014;24(9):535-9.
6. Bateson EM. Renal tract calculi and climate. *Med J Aust* 1973;2(3):111-3.
7. Borg M, Bi P, Nitschke M, Williams S, McDonald S. The impact of daily temperature on renal disease incidence: an ecological study. *Environ Health* 2017;16(1):114.
8. Borghi L, Meschi T, Amato F, Novarini A, Romanelli A, Cigala F. Hot occupation and nephrolithiasis. *J Urol* 1993;150(6):1757-60.
9. Boscolo-Berto R, Dal Moro F, Abate A, Arandjelovic G, Tosato F, Bassi P. Do weather conditions influence the onset of renal colic? A novel approach to analysis. *Urol Int* 2008;80(1):19-25.
10. Brikowski TH, Lotan Y, Pearle MS. Climate-related increase in the prevalence of urolithiasis in the United States. *Proc Natl Acad Sci U S A* 2008;105(28):9841-46.
11. Buttigieg J, Attard S, Carachi A, Galea R, Fava S. Nephrolithiasis, stone composition, meteorology, and seasons in Malta: Is there any connection? *Urol Ann* 2016;8(3):325-32.
12. Cepeda Delgado M, Lopez Izquierdo R, Amon Sesmero JH, Del Pozo Vegas C, Alvarez Manzanares J. Epidemiological Characteristics of Renal Colic and Climate-Related Causes in a Continental Area in Spain. *Urol Int* 2015;95(3):309-13.
13. Cervellin G, Comelli I, Comelli D, Cortellini P, Lippi G, Meschi T, et al. Regional short-term climate variations influence on the number of visits for renal colic in a large urban Emergency Department: results of a 7-year survey. *Intern Emerg Med* 2011;6(2):141-7.
14. Cervellin G, Comelli I, Comelli D, Meschi T, Lippi G, Borghi L. Mean temperature and humidity variations, along with patient age, predict the number of visits for renal colic in a large urban Emergency Department: results of a 9-year survey. *J Epidemiol Glob Health* 2012;2(1):31-8.
15. Chauhan V, Eskin B, Allegra JR, Cochrane DG. Effect of season, age, and gender on renal colic incidence. *Am J Emerg Med* 2004;22(7):560-3.
16. Chi BH, Chang IH, Choi SY, Suh DC, Chang CW, Choi YJ, et al. Daily Mean Temperature and Urolithiasis Presentation in Six Cities in Korea: Time-Series Analysis. *J Korean Med Sci* 2017;32(6):999-1008.
17. Condemni V, Gestro M, Dozio E, Tartaglino B, Corsi Romanelli MM, Solimene U, et al. Association with meteo-climatological factors and daily emergency visits for renal colic and urinary calculi in Cuneo, Italy. A retrospective observational study, 2007-2010. *Int J Biometeorol* 2015;59(3):249-63.
18. Dae Young Hong MD, Chang Gun Jee MD, Lee KR, 장문준. Seasonal Variation of Renal Colic in the Emergency Department and its Association with Climatic Parameters. *Journal of The Korean Society of Emergency Medicine* 2014;25(2):145-51.

19. Dal Moro F. The influence of weather conditions on urolithiasis. *J Pediatr Urol* 2014;10(3):573.
20. Dallas KB, Conti S, Liao JC, Sofer M, Pao AC, Leppert JT, et al. Redefining the Stone Belt: Precipitation Is Associated with Increased Risk of Urinary Stone Disease. *J Endourol* 2017;31(11):1203-10.
21. Elliott JP, Jr., Gordon JO, Evans JW, Platt L. A stone season. A 10-year retrospective study of 768 surgical stone cases with respect to seasonal variation. *J Urol* 1975;114(4):574-7.
22. Fakheri RJ, Goldfarb DS. Association of nephrolithiasis prevalence rates with ambient temperature in the United States: a re-analysis. *Kidney Int* 2009;76(7):798.
23. Fakheri RJ, Goldfarb DS. Ambient temperature as a contributor to kidney stone formation: Implications of global warming. *Kidney Int* 2011;79(11):1178-85.
24. Ferrie BG, Scott R. Occupation and urinary tract stone disease. *Urology* 1984;24(5):443-5.
25. Fletcher BA, Lin S, Fitzgerald EF, Hwang SA. Association of summer temperatures with hospital admissions for renal diseases in New York State: a case-crossover study. *Am J Epidemiol* 2012;175(9):907-16.
26. Formiconi G, Tagliaferri G. Weather and the incidence of urinary stone colics in the Province of Florence. *Int J Biometeorol* 1984;28(2):147-56.
27. Freeg MA, Sreedharan J, Muttappallymyalil J, Venkatramana M, Shaafie IA, Mathew E, et al. A retrospective study of the seasonal pattern of urolithiasis. *Saudi J Kidney Dis Transpl* 2012;23(6):1232-7.
28. Fujita K. Epidemiology of urinary stone colic. *Eur Urol* 1979;5(1):26-8.
29. Fujita K. Weather and the incidence of urinary stone colic. *The Journal of urology* 1979;121(3):318-9.
30. Fujita K. Weather and the incidence of urinary stone colic in Tokyo. *Int J Biometeorol* 1987;31(2):141-6.
31. Fujita K. Effect of weather on the incidence of urinary stone colic. *Japanese Journal of Nephrology* 1987;29(9):1123-27.
32. Fujita K. Influence of the weather on ureteral stone colic. *The Japanese Journal Of Nephrology* 1988;30(3):297-304.
33. Fukuhara H, Ichiyangi O, Kakizaki H, Naito S, Tsuchiya N. Clinical relevance of seasonal changes in the prevalence of ureterolithiasis in the diagnosis of renal colic. *Urolithiasis* 2016;44(6):529-37.
34. Gaziev G, Asimakopoulos AD, Wadhwa K, Topazio L, Germani S, Miano R. The influence of environmental conditions on the incidence of renal colic in Rome. *Urologia* 2016;83(2):77-82.
35. Geraghty RM, Proietti S, Traxer O, Archer M, Somani BK. Worldwide Impact of Warmer Seasons on the Incidence of Renal Colic and Kidney Stone Disease: Evidence from a Systematic Review of Literature. *J Endourol* 2017;31(8):729-35.
36. Gulacti U, Polat H, Lok U, Aydin I. The evaluation of patients with renal colic due to urinary tract stones in emergency department. *European Journal of Therapeutics* 2016;22(1):22-26.
37. Ichiyangi O, Fukuhara H, Naito S, Nishida H, Sakurai T, Kurokawa M, et al. Rise in ambient temperature predisposes aging, male Japanese patients to renal colic episodes due to upper urolithiasis. *Scand J Urol* 2017;51(2):152-58.
38. Kale SS, Ghole VS, Pawar NJ, Jagtap DV. Inter-annual variability of urolithiasis epidemic from semi-arid part of Deccan Volcanic Province, India: climatic and hydrogeochemical perspectives. *Int J Environ Health Res* 2014;24(3):278-89.

39. Kodama H, Ohno Y. [Analytical epidemiology of urolithiasis]. *Hinyokika Kiyo* 1989;35(6):935-47.
40. Koval'chuk VK. Medical and ecological assessment of climate effects on urolithiasis morbidity in population of Primorsky territory. *Urologiia* (Moscow, Russia : 1999) 2004(3):6-10.
41. Lee S, Kim MS, Kim JH, Kwon JK, Chi BH, Kim JW, et al. Daily Mean Temperature Affects Urolithiasis Presentation in Seoul: a Time-series Analysis. *J Korean Med Sci* 2016;31(5):750-6.
42. Lee WS, Kim WS, Lim YH, Hong YC. High Temperatures and Kidney Disease Morbidity: A Systematic Review and Meta-analysis. *J Prev Med Public Health* 2019;52(1):1-13.
43. Lim Y-H, So R, Lee C, Hong Y-C, Park M, Kim L, et al. Ambient temperature and hospital admissions for acute kidney injury: A time-series analysis. *Sci Total Environ* 2018;616:1134-38.
44. Lin KJ, Lin PH, Chu SH, Chen HW, Wang TM, Chiang YJ, et al. The impact of climate factors on the prevalence of urolithiasis in Northern Taiwan. *Biomed J* 2014;37(1):24-30.
45. Lo SS, Johnston R, Al Sameraai A, Metcalf PA, Rice ML, Masters JG. Seasonal variation in the acute presentation of urinary calculi over 8 years in Auckland, New Zealand. *BJU Int* 2010;106(1):96-101.
46. Lujan M, Sanchez MT, Turo J, Pascual C, Chiva V, Martin C, et al. [Climate and epidemiological characteristics of renal colic attendances in an urban setting in Spain]. *Actas Urol Esp* 2011;35(8):481-6.
47. Luo H, Turner LR, Hurst C, Mai H, Zhang Y, Tong S. Exposure to ambient heat and urolithiasis among outdoor workers in Guangzhou, China. *Sci Total Environ* 2014;472:1130-6.
48. Majumder J, Bagepally BS, Shah P, Kotadiya S, Yadav S, Naha N. Comparison of workers' perceptions toward work climate and health symptoms between ceramic and iron foundry workers. *Indian J Occup Environ Med* 2016;20(1):48-53.
49. Malig BJ, Wu XM, Guirguis K, Gershunov A, Basu R. Associations between ambient temperature and hepatobiliary and renal hospitalizations in California, 1999 to 2009. *Environ Res* 2019;177:108566.
50. Martinez E, Leguizamón M, Mallolas J, Miro JM, Gatell JM. Influence of environmental temperature on incidence of indinavir-related nephrolithiasis. *Clin Infect Dis* 1999;29(2):422-5.
51. Ordon M, Welk B, Li Q, Wang J, Lavigne E, Yagouti A, et al. Ambient Temperature and the Risk of Renal Colic: A Population-Based Study of the Impact of Demographics and Comorbidity. *J Endourol* 2016;30(10):1138-43.
52. Park HK, Bae SR, Kim SE, Choi WS, Paick SH, Ho K, et al. The effect of climate variability on urinary stone attacks: increased incidence associated with temperature over 18 degrees C: a population-based study. *Urolithiasis* 2015;43(1):89-94.
53. Perez JA, Palmes Mde L, Ferrer JF, Urdangarain OO, Nunez AB. Renal colic at emergency departments. Epidemiologic, diagnostic and etiopathogenic study. *Arch Esp Urol* 2010;63(3):173-87.
54. Pincus S, Macbean C, Taylor D. The effects of temperature, age and sex on presentations of renal colic in Melbourne, Australia. *Eur J Emerg Med* 2010;17(6):328-31.
55. Prince CL, Scardino PL, Wolan CT. The effect of temperature, humidity and dehydration on the formation of renal calculi. *J Urol* 1956;75(2):209-15.
56. Robertson WG. Renal stones in the tropics. *Semin Nephrol* 2003;23(1):77-87.
57. Ross ME, Vicedo-Cabrera AM, Kopp RE, Song L, Goldfarb DS, Pulido J, et al. Assessment of the combination of temperature and relative humidity on kidney stone presentations. *Environ Res* 2018;162:97-105.

58. Sasikumar R, Raguraman S. Impact of Climate Factors on the Prevalence of Renal Diseases. *International Journal of Ecological Economics & Statistics* 2018;39(1):87-97.
59. Setyawan H, Pratiwi QC, Sjarifah I, Atmojo TB, Khotijah, Iop. Environmental heat stress enhances crystallization in urine. *International Conference on Climate Change: Challenges and Opportunity on Environment Degradation Researches* 2018.
60. Sirohi M, Katz BF, Moreira DM, Dinlenc C. Monthly variations in urolithiasis presentations and their association with meteorologic factors in New York City. *J Endourol* 2014;28(5):599-604.
61. Soucie JM, Coates RJ, McClellan W, Austin H, Thun M. Relation between geographic variability in kidney stones prevalence and risk factors for stones. *Am J Epidemiol* 1996;143(5):487-95.
62. Takasaki E, Murahashi I, Nagata M. Four years retrospective study of urolithiasis at Dokkyo university hospital. *Japanese Journal of Clinical Urology* 1979;33(8):791-95.
63. Tasian GE, Pulido JE, Gasparrini A, Saigal CS, Horton BP, Landis JR, et al. Daily mean temperature and clinical kidney stone presentation in five U.S. metropolitan areas: a time-series analysis. *Environ Health Perspect* 2014;122(10):1081-7.
64. Tucak A, Kalem T, Cvijetic S, Galic J, Prlic D, Zoric I, et al. The incidence and risk factors of urolithiasis in active working population of the Osijek community: an epidemiological study. *Periodicum Biologorum* 2000;102(4):431-35.
65. Vicedo-Cabrera AM, Goldfarb DS, Kopp RE, Song L, Tasian GE. Sex differences in the temperature dependence of kidney stone presentations: a population-based aggregated case-crossover study. *Urolithiasis* 2019
66. Yang C, Chen X, Chen R, Cai J, Meng X, Wan Y, et al. Daily ambient temperature and renal colic incidence in Guangzhou, China: a time-series analysis. *Int J Biometeorol* 2016;60(8):1135-42.
67. Yang Y, Deng Y, Wang Y. Major geogenic factors controlling geographical clustering of urolithiasis in China. *Sci Total Environ* 2016;571:1164-71.
68. Yegorova AM, Mirzonov VA, Saarkoppel LM, Fedina IN. Urinary tract diseases in the able-bodied population: risk factors and prevention. *Zdravookhr Ross Fed* 2009(3):44-47.
69. Zarasvandi A, Carranza EJM, Heidari M, Mousapour E. Environmental factors of urinary stones mineralogy, Khuzestan Province, Iran. *Journal of African Earth Sciences* 2014;97:368-76.

Supplement Document 4 List of all studies that identified in the database search.

1. Stones in a hot climate. *Lancet* 1966;2(7479):1455.
2. Stones in a hot climate. *Lancet* (London, England) 1966;2(7479):1455-55.
3. Stones in a hot climate. *Lancet* 1966;2(7479):1455.
4. Abbas IA. A problem on functional graded material under fractional order theory of 0 thermoelasticity. *Theoretical and Applied Fracture Mechanics* 2014;74:18-22.
5. Abbas IA. Generalized thermoelastic interaction in functional graded material with fractional order three-phase lag heat transfer. *Journal of Central South University* 2015;22(5):1606-13.
6. Abd El-Latief AM, Khader SE. Fractional model of thermoelasticity for a half-space overlaid by a thick layer. *ZAMM-Zeitschrift fur Angewandte Mathematik und Mechanik* 2015;95(5):511-18.
7. Abdel-Razzak OM, Bagley DH. Clinical experience with flexible ureteropyeloscopy. *The Journal of urology* 1992;148(6):1788-92.
8. Abe S, Hayasaka K, Narisawa K, Tada K, Okada G, Koyama H, et al. Partial and complete adenine phosphoribosyltransferase deficiency associated with 2,8-dihydroxyadenine urolithiasis: kinetic and immunochemical properties of APRT. *Enzyme* 1987;37(4):182-8.
9. Abouelregal AE. Fractional heat conduction equation for an infinitely generalized, thermoelastic, long solid cylinder. *International Journal for Computational Methods in Engineering Science & Mechanics* 2016;17(5-6):374-81.
10. Abouelregal AE. Thermoelastic Interaction in an Infinite Long Hollow Cylinder with Fractional Heat Conduction Equation. *Advances in Applied Mathematics and Mechanics* 2017;9(2):378-92.
11. Abouelregal AE, Zenkour A. THERMOELASTIC RESPONSE OF NANOBEAM RESONATORS SUBJECTED TO EXPONENTIAL DECAYING TIME VARYING LOAD. *Journal of Theoretical and Applied Mechanics* 2017;55(3):937-48.
12. Abouelregal AE, Zenkour AM. Variability of thermal properties for a thermoelastic loaded nanobeam excited by harmonically varying heat. *Smart Structures and Systems* 2017;20(4):451-60.
13. Abunde NF, Asiedu NY, Addo A. Modeling, simulation and optimal control strategy for batch fermentation processes. *International Journal of Industrial Chemistry* 2019;10(1):67-76.
14. Adamthwaite DN. Particulate activity in urine. *Br J Urol* 1983;55(1):89-94.
15. Ahmadi F, McLoughlin IV, Chauhan S, ter-Haar G. Bio-effects and safety of low-intensity, low-frequency ultrasonic exposure. *Prog Biophys Mol Biol* 2012;108(3):119-38.
16. Alapont Perez FM, Galvez Calderon J, Varea Herrero J, Colome Borros G, Olaso Oltra A, Sanchez Bisono JR. [Epidemiology of urinary lithiasis]. *Actas Urol Esp* 2001;25(5):341-9.
17. Alapont Perez FM, Galvez Calderon J, Varea Herrero J, Colome Borros G, Olaso Oltra A, Sanchez Bisono JR. Epidemiology of urinary lithiasis. *Actas Urol Esp* 2001;25(5):341-9.
18. Al'bekova RG, Gorbachev BF, Fomichev Iu A. [On the use of differential-thermic analysis for study of the composition of bladder stones]. *Lab Delo* 1968;8:451-3.
19. Alcoutlabi M, Martinez-Vega JJ. Application of fractional calculus to viscoelastic behaviour modelling and to the physical ageing phenomenon in glassy amorphous polymers. *Polymer* 1998;39(25):6269-77.
20. Alcoutlabi M, Martinez-Vega JJ. A modified fractional model to describe the viscoelastic behavior of solid amorphous polymers: The effect of physical aging. *Journal of Macromolecular Science-Physics* 1999;B38(5-6):991-1007.

21. Alcoutlabi M, Martinez-Vega JJ. Modeling of the viscoelastic behavior of amorphous polymers by the differential and integration fractional method: the relaxation spectrum $H(\tau)$. *Polymer* 2003;44(23):7199-208.
22. Al-Dabbagh TQ, Fahadi K. Seasonal variations in the incidence of ureteric colic. *Br J Urol* 1977;49(4):269-75.
23. Al-Dabbagh TQ, Fahadi K. Seasonal variations in the incidence of ureteric colic. *Br J Urol* 1977;49(4):269-75.
24. Al-Dabbagh TQ, Fahadi K. Seasonal Variations in the Incidence of Ureteric Colic. *Br J Urol* 1977;49(4):269-75.
25. Aldoukhi AH, Ghani KR, Hall TL, Roberts WW. Thermal Response to High-Power Holmium Laser Lithotripsy. *J Endourol* 2017;31(12):1308-12.
26. Aldoukhi AH, Ghani KR, Hall TL, Roberts WW. Thermal Response to High-Power Holmium Laser Lithotripsy. *J Endourol* 2017;31(12):1308-12.
27. Algin A, Olkun A. Bose-Einstein condensation in low dimensional systems with deformed bosons. *Annals of Physics* 2017;383:239-56.
28. Algin A, Senay M. Fermionic q -deformation and its connection to thermal effective mass of a quasiparticle. *Physica a-Statistical Mechanics and Its Applications* 2016;447:232-46.
29. al-Hadramy MS. Seasonal variations of urinary stone colic in Arabia. *J Pak Med Assoc* 1997;47(11):281-4.
30. Al-Hadramy MS. Seasonal variations of urinary stone colic in Arabia. *J PMA (Journal of the Pakistan Medical Association)* 1997;47(11):281-84.
31. Al-Hadramy MS. Seasonal variations of urinary stone colic in Arabia. *J Pak Med Assoc* 1997;47(11):281-84.
32. Ali AE. Synthesis, spectral, thermal and antimicrobial studies of some new tri metallic biologically active ceftriaxone complexes. *Spectrochimica Acta Part a-Molecular and Biomolecular Spectroscopy* 2011;78(1):224-30.
33. Alkhunaizi AM. Urinary stones in Eastern Saudi Arabia. *Urol Ann* 2016;8(1):6-9.
34. Alkhunaizi AM. Urinary stones in Eastern Saudi Arabia. *Urology Annals* 2016;8(1):6-9.
35. Allagui A, Elwakil AS, Fouda ME, Radwan AG. Capacitive behavior and stored energy in supercapacitors at power line frequencies. *Journal of Power Sources* 2018;390:142-47.
36. Altabay WA. A study on thermo-mechanical behavior of MCD through bulge test analysis. *Advances in Computational Design* 2017;2(2):107-19.
37. Al-Tawheed AR, Al-Awadi KA, Kehinde EO, Abdul-Halim H, Al-Hunayan A, Ali Y, et al. Anuria secondary to hot weather-induced hyperuricaemia: diagnosis and management. *Ann Saudi Med* 2003;23(5):283-7.
38. Al-Tawheed AR, Al-Awadi KA, Kehinde EO, Abdul-Halim H, Al-Hunayan A, Ali Y, et al. Anuria secondary to hot weather-induced hyperuricaemia: Diagnosis and management. *Ann Saudi Med* 2003;23(5):283-87.
39. Ansari FA, Ahmed I, Dharejo KA, Kalhor AN. Computational and Analytical solution of Fractional order Linear Partial Differential equations using Sumudu Transform and its properties. *International Journal of Computer Science and Network Security* 2018;18(9):43-50.
40. Ansorena MR, del Valle C, Salvadori VO. Application of Transfer Functions to Canned Tuna Fish Thermal Processing. *Food Science and Technology International* 2010;16(1):43-51.

41. Anwar MS, Rasheed A. A microscopic study of MHD fractional inertial flow through Forchheimer medium. *Chinese Journal of Physics* 2017;55(4):1690-703.
42. Aoki A, Miura M, Akiyama F, Nakagawa N, Tanaka J, Oda S, et al. In vitro evaluation of Er:YAG laser scaling of subgingival calculus in comparison with ultrasonic scaling. *J Periodontal Res* 2000;35(5):266-77.
43. Aoki K. A constraint on the thickness-weighted average equation of motion deduced from energetics. *J Mar Res* 2014;72(5):355-82.
44. Ardestani SB, Sahari MA, Barzegar M. Effect of Extraction and Processing Conditions on Organic Acids of Barberry Fruits. *J Food Biochem* 2015;39(5):554-65.
45. Areiza MCL, Sacramento R, Rebello JMA, Sommer RL, Gonzalez D. Finite element model for the characterization of deleterious phases by eddy current technique. *International Journal of Applied Electromagnetics and Mechanics* 2012;39(1-4):305-10.
46. Arias Vega R, Perula de Torres LA, Jimenez Garcia C, Carrasco Valiente J, Requena Tapia MJ, Cano Castineira R, et al. Comorbidity and socio-demographic factors associated with renal lithiasis in persons aged 40 to 65: A cross-sectional study. *Med Clin (Barc)* 2017;149(9):383-90.
47. Arias Vega R, Perula de Torres LA, Jimenez Garcia C, Carrasco Valiente J, Requena Tapia MJ, Cano Castineira R, et al. Comorbidity and socio-demographic factors associated with renal lithiasis in persons aged 40 to 65: A cross-sectional study. *Med Clin (Barc)* 2017;149(9):383-90.
48. Arias-Hernandez LA, de Parga GA, Angulo-Brown F. A variational ecological-type optimization of some thermal-engine models. *Open Systems & Information Dynamics* 2004;11(2):123-38.
49. Arnaudon M, Thalmaier A. THE DIFFERENTIATION OF HYPOELLIPTIC DIFFUSION SEMIGROUPS. *Illinois Journal of Mathematics* 2010;54(4):1285-311.
50. Asgari H, Muniandy SV, Wong CS. Stochastic dynamics of charge fluctuations in dusty plasma: A non-Markovian approach. *Physics of Plasmas* 2011;18(8)
51. Assimos D. Re: The effects of ambient temperature, humidity and season of year on urine composition in patients with nephrolithiasis. *J Urol* 2012;188(6):2252.
52. Assimos D. Re: The Effects of Ambient Temperature, Humidity and Season of Year on Urine Composition in Patients with Nephrolithiasis Editorial Comment. *J Urol* 2012;188(6):2252-52.
53. Atan L, Andreoni C, Ortiz V, Silva EK, Pitta R, Atan F, et al. High kidney stone risk in men working in steel industry at hot temperatures. *Urology* 2005;65(5):858-61.
54. Atan L, Andreoni C, Ortiz V, Silva EK, Pitta R, Atan F, et al. High kidney stone risk in men working in steel industry at hot temperatures. *Urology* 2005;65(5):858-61.
55. Atan L, Andreoni C, Ortiz V, Silva EK, Pitta R, Atan F, et al. High kidney stone risk in men working in steel industry at hot temperatures. *Urology* 2005;65(5):858-61.
56. Atescelik M, Yilmaz M, Gurger M, Yildiz M. The effect of meteorological parameters on the number of renal colic patients. *Urolithiasis* 2015;43(4):331-7.
57. Atescelik M, Yilmaz M, Gurger M, Yildiz M. The effect of meteorological parameters on the number of renal colic patients. *Urolithiasis* 2015;43(4):331-37.
58. Athreya A, Kolba T, Mattingly JC. Propagating Lyapunov functions to prove noise-induced stabilization. *Electronic Journal of Probability* 2012;17:1-38.
59. Auscher P, McIntosh A, Morris AJ. Calderon reproducing formulas and applications to Hardy spaces. *Revista Matematica Iberoamericana* 2015;31(3):865-900.
60. Auscher P, Rosen A. WEIGHTED MAXIMAL REGULARITY ESTIMATES AND SOLVABILITY OF NONSMOOTH ELLIPTIC SYSTEMS, II. *Analysis & Pde* 2012;5(5):983-1061.

61. Auscher P, Tchamitchian P. Square root problem for divergence operators and related topics. *Asterisque* 1998(249):III-+.
62. Avila RE. A variational model for shear stress in friction stir welding based on the weld shape in transverse sections. *Modelling and Simulation in Materials Science and Engineering* 2006;14(4):689-702.
63. Awad E. ON THE GENERALIZED THERMAL LAGGING BEHAVIOR: REFINED ASPECTS. *Journal of Thermal Stresses* 2012;35(4):293-325.
64. Babic-Ivancic V, Jendric M, Sostaric N, Opacak-Bernardi T, Zoric ST, Dutour Sikiric M. Influence of pH, temperature and common ion on magnesium hydrogenurate octahydrate solubility. *Coll Antropol* 2010;34 Suppl 1:259-66.
65. Badescu V. Optimal strategies for steady state heat exchanger operation. *Journal of Physics D-Applied Physics* 2004;37(16):2298-304.
66. Baggio B, Giannossi ML, Medici L, Summa V, Tateo F. X-ray microdiffraction and urine: a new analysis method of crystalluria. *J Xray Sci Technol* 2012;20(4):489-98.
67. Bai J, Wang J. Study on Tension Distribution Calculation Method for Strip Cold Rolling. In: Yang G, ed. *Materials Engineering and Mechanical Automation* 2014:244-+.
68. Bailleul I, Bernicot F. Heat semigroup and singular PDEs. *Journal of Functional Analysis* 2016;270(9):3344-452.
69. Bailly V, Le Ray I, Bardonnaud N, Pillot P, Martin L, Pastori J, et al. [Meteo-U-rology: climate impact on urological emergencies]. *Prog Urol* 2014;24(9):535-9.
70. Bailly V, Le Ray I, Bardonnaud N, Pillot P, Martin L, Pastori J, et al. Meteo-U-rology: Climate impact on urological emergencies. *Prog Urol* 2014;24(9):535-39.
71. Bairy EM, Lenzi EK, Corazza ML, Lenzi MK. MATHEMATICAL MODELING OF FISH BURGER BAKING USING FRACTIONAL CALCULUS. *Thermal Science* 2017;21(1):41-50.
72. Banabic D, Comsa DS, Jurco P, Wagner S, Vos M. An improvement of the anisotropy and formability predictions of aluminum alloy sheets. In: Ghosh S, Castro JM, Lee JK, eds. *Materials Processing and Design: Modeling, Simulation and Applications, Pts 1 and 2* 2004:760-65.
73. Bandman OL. CELLULAR-AUTOMATA MODELS OF NATURAL PROCESSES, IMPLEMENTATION ON SUPERCOMPUTERS. *Prikladnaya Diskretnaya Matematika* 2017(35):102-21.
74. Bar-David Y, Urkin J, Landau D, Bar-David Z, Pilpel D. Voluntary dehydration among elementary school children residing in a hot arid environment. *J Hum Nutr Diet* 2009;22(5):455-60.
75. Bardella L. Some remarks on the strain gradient crystal plasticity modelling, with particular reference to the material length scales involved. *International Journal of Plasticity* 2007;23(2):296-322.
76. Barker DJ, Donnan SP. Regional variations in the incidence of upper urinary tract stones in England and Wales. *Br Med J* 1978;1(6105):67-70.
77. Barker DJ, Donnan SP. Regional variations in the incidence of upper urinary tract stones in England and Wales. *Br Med J* 1978;1(6105):67-70.
78. Barker DJP, Donnan SPB. Regional variations in the incidence of upper urinary tract stones in England and Wales. *Br Med J* 1978;1(6105):67-70.
79. Barraclough KA, Blashki GA, Holt SG, Agar JWM. Climate change and kidney disease—threats and opportunities. *Kidney Int* 2017;92(3):526-30.
80. Barros AA, Oliveira C, Reis RL, Lima E, Duarte ARC. Ketoprofen-eluting biodegradable ureteral stents by CO₂ impregnation: In vitro study. *Int J Pharm* 2015;495(2):651-59.

81. Barsky A, Kaplan SA, Beal DJ. Just Feelings? The Role of Affect in the Formation of Organizational Fairness Judgments. *Journal of Management* 2011;37(1):248-79.
82. Bartges JW, Osborne CA, Felice LJ, Fletcher TF, Lulich JP, Chen M. Effects of various methods of preservation on the stability of uric acid in frozen canine urine. *Am J Vet Res* 1996;57(6):787-90.
83. Basiri A, Moghaddam SM, Khoddam R, Nejad ST, Hakimi A. Monthly variations of urinary stone colic in Iran and its relationship to the fasting month of Ramadan. *J Pak Med Assoc* 2004;54(1):6-8.
84. Basiri A, Moghaddam SMMH, Khoddam R, Nejad ST, Hakimi A. Monthly variations of urinary stone colic in Iran and its relationship to the fasting month of Ramadan. *JPMMA Journal of the Pakistan Medical Association* 2004;54(1):6-8.
85. Basiri A, Moghaddam SMMH, Khoddam R, Nejad ST, Hakimi A. Monthly Variations of Urinary Stone Colic in Iran and its relationship to the Fasting Month of Ramadan. *J Pak Med Assoc* 2004;54(1):6-8.
86. Bateson EM. Renal tract calculi and climate. *Med J Aust* 1973;2(3):111-3.
87. Bateson EM. Renal tract calculi and climate. *The Medical journal of Australia* 1973;2(3):111-3.
88. Bateson EM. Renal tract calculi and climate. *Med J Aust* 1973;2(3):111-13.
89. Bekraoui A, Hadjadj A, Benmounah A, Oulhadj M. Uncertainty study of fiscal orifice meter used in a gas Algerian field. *Flow Measurement and Instrumentation* 2019;66:200-08.
90. Belmares S. First derivative implementation in solidification alloys. *Ciencia Ergo-Sum* 2018;25(1)
91. Benestad RE. What can present climate models tell us about climate change? *Climatic Change* 2003;59(3):311-31.
92. Benestad RE. A review of the solar cycle length estimates. *Geophys Res Lett* 2005;32(15)
93. Berg W, Bechler R, Laube N. Analytical precision of the Urolizer for the determination of the BONN-Risk-Index (BRI) for calcium oxalate urolithiasis and evaluation of the influence of 24-h urine storage at moderate temperatures on BRI. *Clin Chem Lab Med* 2009;47(4):478-82.
94. Berlyne GM, Yagil R, Goodwin S, Morag M. Drinking habits and urine concentration of man in southern Israel. *Isr J Med Sci* 1976;12(8):765-9.
95. Berlyne GM, Yagil R, Goodwin S, Morag M. Drinking habits and urine concentration of man in southern Israel. *Isr J Med Sci* 1976;12(8):765-69.
96. Berman MD, Carey MC. Metastable and equilibrium phase diagrams of unconjugated bilirubin IXalpha as functions of pH in model bile systems: Implications for pigment gallstone formation. *Am J Physiol Gastrointest Liver Physiol* 2015;308(1):G42-55.
97. Berry KH, Spangenberg EK, Homer BL, Jacobson ER. Deaths of desert tortoises following periods of drought and research manipulation. *Chelonian Conserv Biol* 2002;4(2):436-48.
98. Besancenot JP. [Tropical climate pathology]. *Med Trop (Mars)* 1997;57(4 Bis):431-5.
99. Besancenot JP. Tropical climate pathology. *Medecine tropicale : revue du Corps de sante colonial* 1997;57(4 Bis):431-5.
100. Besancenot JP. Tropical climatopathology. *Med Trop (Mars)* 1997;57(4 SUPPL. 1):431-35.
101. Betsche T, Fretzdorff B. Biodegradation of oxalic acid from spinach using cereal radicles. *J Agric Food Chem* 2005;53(25):9751-8.
102. Better OS. Impaired fluid and electrolyte balance in hot climates. *Kidney Int Suppl* 1987;21:S97-101.
103. Better OS. Impaired fluid and electrolyte balance in hot climates. *Kidney Int Suppl* 1987;21:S97-101.

104. Bigelow MW, Wiessner JH, Kleinman JG, Mandel NS. The dependence on membrane fluidity of calcium oxalate crystal attachment to IMCD membranes. *Calcif Tissue Int* 1997;60(4):375-9.
105. Bischoff W, Goerttler U, Roth FJ. [Modified in situ perfusion of the kidney using balloon catheters]. *Fortschr Med* 1976;94(30):1695-7.
106. Blasiak S. Time-fractional heat transfer equations in modeling of the non-contacting face seals. *International Journal of Heat and Mass Transfer* 2016;100:79-88.
107. Bonaccorsi S, Zalescu A. Maximum principle for an optimal control problem associated to a SPDE with nonlinear boundary conditions. *Journal of Mathematical Analysis and Applications* 2018;465(1):359-78.
108. Bongartz D, Schneider A, Hesse A. Direct measurement of calcium oxalate nucleation with a laser probe. *Urol Res* 1999;27(2):135-40.
109. Borg M, Bi P, Nitschke M, Williams S, McDonald S. The impact of daily temperature on renal disease incidence: an ecological study. *Environ Health* 2017;16(1):114.
110. Borg M, Bi P, Nitschke M, Williams S, McDonald S. The impact of daily temperature on renal disease incidence: an ecological study. *Environ Health* 2017;16
111. Borg M, Nitschke M, Williams S, McDonald S, Nairn J, Bi P. Using the excess heat factor to indicate heatwave-related urinary disease: a case study in Adelaide, South Australia. *Int J Biometeorol* 2019;63(4):435-47.
112. Borg M, Nitschke M, Williams S, McDonald S, Nairn J, Bi P. Using the excess heat factor to indicate heatwave-related urinary disease: a case study in Adelaide, South Australia. *Int J Biometeorol* 2019;63(4):435-47.
113. Borghi L, Meschi T, Amato F, Novarini A, Romanelli A, Cigala F. Hot occupation and nephrolithiasis. *J Urol* 1993;150(6):1757-60.
114. Borghi L, Meschi T, Amato F, Novarini A, Romanelli A, Cigala F. Hot occupation and nephrolithiasis. *The Journal of urology* 1993;150(6):1757-60.
115. Borresen B. [The fluid balance in carnivores (author's transl)]. *Nord Vet Med* 1973;25(10):485-91.
116. Borresen B. The fluid balance in carnivores (author's transl). *Nord Vet Med* 1973;25(10):485-91.
117. Bortkiewicz A, Kiec-Swierczynska M, Krecisz B. OUTDOOR WORK-RELATED HEALTH HAZARDS. *Med Pr* 2008;59(6):505-11.
118. Boscolo-Berto R, Dal Moro F, Abate A, Arandjelovic G, Tosato F, Bassi P. Do weather conditions influence the onset of renal colic? A novel approach to analysis. *Urol Int* 2008;80(1):19-25.
119. Boscolo-Berto R, Dal Moro F, Abate A, Arandjelovic G, Tosato F, Bassi P. Do weather conditions influence the onset of renal colic? A novel approach to analysis. *Urol Int* 2008;80(1):19-25.
120. Bourgel C, Veron E, Poirier J, Defoort F, Seiler J-M, Peregrina C. Behavior of Phosphorus and Other Inorganics during the Gasification of Sewage Sludge. *Energy Fuels* 2011;25(12):5707-17.
121. Braden M. HEAT CONDUCTION IN TEETH AND THE EFFECT OF LINING MATERIALS. *J Dent Res* 1964;43:315-22.
122. Braga FL. MHD Equilibrium with Reversed Current Density and Magnetic Islands Revisited: the Vacuum Vector Potential Calculus. *Plasma Science & Technology* 2013;15(10):985-88.
123. Bragazzi NL. Ramadan fasting and chronic kidney disease: A systematic review. *J Res Med Sci* 2014;19(7):665-76.
124. Bragazzi NL. Ramadan fasting and chronic kidney disease: A systematic review. *J Res Med Sci* 2014;19(7):665-76.

125. Bravo AS, Cantoral R. Los Libros de Texto de Cálculo y el Fenómeno de la Transposición Didáctica. *Educación matemática* 2012;24(2):91-122.
126. Breyer BN, Sen S, Aaronson DS, Stoller ML, Erickson BA, Eisenberg ML. Use of Google Insights for Search to track seasonal and geographic kidney stone incidence in the United States. *Urology* 2011;78(2):267-71.
127. Breyer BN, Sen S, Aaronson DS, Stoller ML, Erickson BA, Eisenberg ML. Use of Google Insights for Search to Track Seasonal and Geographic Kidney Stone Incidence in the United States. *Urology* 2011;78(2):267-71.
128. Breyer BN, Sen S, Aaronson DS, Stoller ML, Erickson BA, Eisenberg ML. Use of google insights for search to track seasonal and geographic kidney stone incidence in the United States. *Urology* 2011;78(2):267-71.
129. Brikowski TH, Lotan Y, Pearle MS. Climate-related increase in the prevalence of urolithiasis in the United States. *Proc Natl Acad Sci U S A* 2008;105(28):9841-6.
130. Brikowski TH, Lotan Y, Pearle MS. Climate-related increase in the prevalence of urolithiasis in the United States. *Proc Natl Acad Sci U S A* 2008;105(28):9841-46.
131. Brikowski TH, Lotan Y, Pearle MS. Climate-related increase in the prevalence of urolithiasis in the United States. *Proc Natl Acad Sci U S A* 2008;105(28):9841-46.
132. Brossard JM, Panicaud B, Balmain J, Bonnet G. Modelling of aluminized coating growth on nickel. *Acta Materialia* 2007;55(19):6586-95.
133. Browning F, Moore K, Campos J. Exploring Negative Absolute Temperature Using NetLogo. *Physics Teacher* 2019;57(1):26-27.
134. Busby DE. Space clinical medicine. A prospective look at medical problems from hazards of space operations. *Space Life Sci* 1968;1(2):157-427.
135. Buthliaschwili NS. [Petrographic study of human and animal kidney stones]. *Z Urol Nephrol* 1979;72(8):555-61.
136. Buttigieg J, Attard S, Carachi A, Galea R, Fava S. Nephrolithiasis, stone composition, meteorology, and seasons in Malta: Is there any connection? *Urol Ann* 2016;8(3):325-32.
137. Buttigieg J, Attard S, Carachi A, Galea R, Fava S. Nephrolithiasis, stone composition, meteorology, and seasons in Malta: Is there any connection? *Urology Annals* 2016;8(3):325-32.
138. Buttigieg J, Attard S, Carachi A, Galea R, Fava S. Nephrolithiasis, stone composition, meteorology, and seasons in Malta: Is there any connection? *Urology Annals* 2016;8(3):325-32.
139. Cai L, Guo B, Zhang C, Xu J, Huang Z. Long-term Stress Relaxation Prediction for Nylon 1010 Using Time-temperature Superposition Method. *Chemical Journal of Chinese Universities-Chinese* 2019;40(4):832-40.
140. Cang J, Tan Y, Xu H, Liao S-J. Series solutions of non-linear Riccati differential equations with fractional order. *Chaos Solitons & Fractals* 2009;40(1):1-9.
141. Cao C, Nie L, Lou C, Xing D. The feasibility of using microwave-induced thermoacoustic tomography for detection and evaluation of renal calculi. *Phys Med Biol* 2010;55(17):5203-12.
142. Capasso C, Lauria D, Veneri O. Experimental evaluation of model-based control strategies of sodium-nickel chloride battery plus supercapacitor hybrid storage systems for urban electric vehicles. *Applied Energy* 2018;228:2478-89.
143. Cardenas D. True Calculus of the Warming in Electrical Wires in Low Voltage: A Design Correction. *Ieee Latin America Transactions* 2015;13(1):172-80.

144. Caruso G, Fantozzi F, Leccese F. Optimal theoretical building form to minimize direct solar irradiation. *Solar Energy* 2013;97:128-37.
145. Cathignol D, Tavakkoli J, Birer A, Arefiev A. Comparison between the effects of cavitation induced by two different pressure-time shock waveform pulses. *Ieee Transactions on Ultrasonics Ferroelectrics and Frequency Control* 1998;45(3):788-99.
146. Cavina V, Mari A, Carlini A, Giovannetti V. Variational approach to the optimal control of coherently driven, open quantum system dynamics. *Physical Review A* 2018;98(5)
147. Cecchetti W, Zattoni F, Nigro F, Tasca A. Plasma bubble formation induced by holmium laser: an in vitro study. *Urology* 2004;63(3):586-90.
148. Cecchetti W, Zattoni F, Nigro F, Tasca A. Plasma bubble formation induced by holmium laser: An in vitro study. *Urology* 2004;63(3):586-90.
149. Celauro C, Fecarotti C, Pirrotta A, Collop AC. Experimental validation of a fractional model for creep/recovery testing of asphalt mixtures. *Construction and Building Materials* 2012;36:458-66.
150. Cepeda Delgado M, Lopez Izquierdo R, Amon Sesmero JH, Del Pozo Vegas C, Alvarez Manzanares J. Epidemiological Characteristics of Renal Colic and Climate-Related Causes in a Continental Area in Spain. *Urol Int* 2015;95(3):309-13.
151. Cepeda Delgado M, Lopez Izquierdo R, Amon Sesmero JH, del Pozo Vegas C, Alvarez Manzanares J. Epidemiological Characteristics of Renal Colic and Climate-Related Causes in a Continental Area in Spain. *Urol Int* 2015;95(3):309-13.
152. Cervellin G, Comelli I, Comelli D, Cortellini P, Lippi G, Meschi T, et al. Regional short-term climate variations influence on the number of visits for renal colic in a large urban Emergency Department: results of a 7-year survey. *Intern Emerg Med* 2011;6(2):141-7.
153. Cervellin G, Comelli I, Comelli D, Cortellini P, Lippi G, Meschi T, et al. Regional short-term climate variations influence on the number of visits for renal colic in a large urban Emergency Department: results of a 7-year survey. *Intern Emerg Med* 2011;6(2):141-47.
154. Cervellin G, Comelli I, Comelli D, Cortellini P, Lippi G, Meschi T, et al. Regional short-term climate variations influence on the number of visits for renal colic in a large urban Emergency Department: Results of a 7-year survey. *Intern Emerg Med* 2011;6(2):141-47.
155. Cervellin G, Comelli I, Comelli D, Meschi T, Lippi G, Borghi L. Mean temperature and humidity variations, along with patient age, predict the number of visits for renal colic in a large urban Emergency Department: results of a 9-year survey. *J Epidemiol Glob Health* 2012;2(1):31-8.
156. Cervellin G, Comelli I, Comelli D, Meschi T, Lippi G, Borghi L. Mean temperature and humidity variations, along with patient age, predict the number of visits for renal colic in a large urban Emergency Department: results of a 9-year survey. *Journal of epidemiology and global health* 2012;2(1):31-8.
157. Cervellin G, Comelli I, Comelli D, Meschi T, Lippi G, Borghi L. Mean temperature and humidity variations, along with patient age, predict the number of visits for renal colic in a large urban Emergency Department: Results of a 9-year survey. *Journal of Epidemiology and Global Health* 2012;2(1):31-38.
158. Chan KF, Vassar GJ, Pfefer TJ, Teichman JM, Glickman RD, Weintraub ST, et al. Holmium:YAG laser lithotripsy: A dominant photothermal ablative mechanism with chemical decomposition of urinary calculi. *Lasers Surg Med* 1999;25(1):22-37.
159. Chang D, Zhou F, Wang Y, Zhang B, Song Ling M, Zhang X, et al. Clinical Effects of B Ultrasound-Guided Percutaneous Nephrolithotomy and Pneumatic Lithotripsy with Holmium Laser

-
- and Ultrasound on Upper Urinary Tract Stones. *Chinese Journal of Laser Medicine and Surgery* 2012;21(3):137-41.
160. Chang MA, Goldfarb DS. Occupational risk for nephrolithiasis and bladder dysfunction in a chauffeur. *Urol Res* 2004;32(1):41-3.
161. Chang MA, Goldfarb DS. Occupational risk for nephrolithiasis and bladder dysfunction in a chauffeur. *Urol Res* 2004;32(1):41-43.
162. Chang MA, Goldfarb DS. Occupational risk for nephrolithiasis and bladder dysfunction in a chauffeur. *Urol Res* 2004;32(1):41-43.
163. Charalambous N, Gross L. The Yang-Mills Heat Semigroup on Three-Manifolds with Boundary. *Communications in Mathematical Physics* 2013;317(3):727-85.
164. Chauhan V, Eskin B, Allegra JR, Cochrane DG. Effect of season, age, and gender on renal colic incidence. *Am J Emerg Med* 2004;22(7):560-3.
165. Chauhan V, Eskin B, Allegra JR, Cochrane DG. Effect of season, age, and gender on renal colic incidence. *Am J Emerg Med* 2004;22(7):560-63.
166. Cheche TO. New strategy for the Pulu-j-type experiment. *American Journal of Physics* 2018;86(9):670-77.
167. Chen D, Wu Q, Wang J, Wang Q, Qiao H. Spectroscopic analyses and studies on respective interaction of cyanuric acid and uric acid with bovine serum albumin and melamine. *Spectrochimica Acta Part a-Molecular and Biomolecular Spectroscopy* 2015;135:511-20.
168. Chen J, Zhang X, Ruan X. Research of couple of key techniques in numerical simulation of 3D metal extrusion processes. *The Chinese Journal of Nonferrous Metals* 2002;12(6):1119-22.
169. Chen YK, Lin HC, Chen CS, Yeh SD. Seasonal variations in urinary calculi attacks and their association with climate: a population based study. *J Urol* 2008;179(2):564-9.
170. Chen Y-K, Lin H-C, Chen C-S, Yeh S-D. Seasonal variations in urinary calculi attacks and their association with climate: A population based study. *J Urol* 2008;179(2):564-69.
171. Cheng JT, Mohan S, Nasr SH, D D'Agati V. Chyluria presenting as milky urine and nephrotic-range proteinuria. *Kidney Int* 2006;70(8):1518-22.
172. Cheng PT. Octacalcium phosphate formation in vitro: implications for bone formation. *Calcif Tissue Int* 1985;37(1):91-4.
173. Cheng PT. Octacalcium phosphate formation in vitro: implications for bone formation. *Calcif Tissue Int* 1985;37(1):91-4.
174. Cheng PT. Octacalcium phosphate formation in vitro: Implications for bone formation. *Calcif Tissue Int* 1985;37(1):91-94.
175. Cheng PT, Pritzker KP. Solution Ca/P ratio affects calcium phosphate crystal phases. *Calcif Tissue Int* 1983;35(4-5):596-601.
176. Cheng T-L, Wen Y-H, Hawk JA. Modeling elasto-viscoplasticity in a consistent phase field framework. *International Journal of Plasticity* 2017;96:242-63.
177. Chi BH, Chang IH, Choi SY, Suh DC, Chang CW, Choi YJ, et al. Daily Mean Temperature and Urolithiasis Presentation in Six Cities in Korea: Time-Series Analysis. *J Korean Med Sci* 2017;32(6):999-1008.
178. Chi BH, Chang IH, Choi SY, Suh DC, Chang Cw, Choi YJ, et al. Daily Mean Temperature and Urolithiasis Presentation in Six Cities in Korea: Time-Series Analysis. *J Korean Med Sci* 2017;32(6):999-1008.

179. Choi SY, Lee SY, Chi BH, Kim JW, Kim TH, Chang IH. Urbanization may affect the incidence of urolithiasis in South Korea. *Springerplus* 2016;5(1):1891.
180. Choi SY, Lee SY, Chi BH, Kim JW, Kim T-H, Chang IH. Urbanization may affect the incidence of urolithiasis in South Korea. *Springerplus* 2016;5
181. Choudhury MD, Das S, Tarafdar S. Effect of loading history on visco-elastic potato starch gel. *Colloids and Surfaces a-Physicochemical and Engineering Aspects* 2016;492:47-53.
182. Christensen WM, Meltzer DE, Ogilvie CA. Student ideas regarding entropy and the second law of thermodynamics in an introductory physics course. *American Journal of Physics* 2009;77(10):907-17.
183. Cipriani F, Sauvageot JL. Derivations as square roots of Dirichlet forms. *Journal of Functional Analysis* 2003;201(1):78-120.
184. Cobb CM. Lasers in periodontics: a review of the literature. *J Periodontol* 2006;77(4):545-64.
185. Cohen MM, Shusterman S, Shklar G. The effect of stressor agents on the grey lethal mouse strain periodontium. *J Periodontol* 1969;40(8):462-6.
186. Coimbra CFM, Rangel RH. Spherical particle motion in harmonic stokes flows. *Aiaa Journal* 2001;39(9):1673-82.
187. Colombo F, Gantner J. An Application of the S-Functional Calculus to Fractional Diffusion Processes. *Milan Journal of Mathematics* 2018;86(2):225-303.
188. Colombo F, Gantner J. Fractional powers of vector operators and fractional Fourier's law in a Hilbert space. *Journal of Physics a-Mathematical and Theoretical* 2018;51(30)
189. Colombo F, Mongodi S, Peloso M, Pinton S. Fractional powers of the noncommutative Fourier's law by the S-spectrum approach. *Mathematical Methods in the Applied Sciences* 2019;42(5):1662-86.
190. Comelli I, Bologna A, Ticinesi A, Magnacavallo A, Comelli D, Meschi T, et al. Incidence of primary spontaneous pneumothorax is not associated with microclimatic variations. Results of a seven-year survey in a temperate climate area. *Monaldi Arch Chest Dis* 2017;87(1):793.
191. Comelli I, Bologna A, Ticinesi A, Magnacavallo A, Comelli D, Meschi T, et al. Incidence of primary spontaneous pneumothorax is not associated with microclimatic variations. Results of a seven-year survey in a temperate climate area. *Monaldi Archives for Chest Disease* 2017;87(1):22-26.
192. Comelli I, Ferro J, Lippi G, Comelli D, Sartori E, Cervellin G. Incidence of acute-onset atrial fibrillation correlates with air temperature. Results of a nine-year survey. *J Epidemiol Glob Health* 2014;4(3):151-7.
193. Comelli I, Ferro J, Lippi G, Comelli D, Sartori E, Cervellin G. Incidence of acute-onset atrial fibrillation correlates with air temperature. Results of a nine-year survey. *Journal of epidemiology and global health* 2014;4(3):151-7.
194. Conceicao EZE, da Silva MCG, Andre JCS, Viegas DX. Thermal behaviour simulation of the passenger compartment of vehicles. *International Journal of Vehicle Design* 2000;24(4):372-87.
195. Conceicao EZE, Lucio MMJR. Numerical simulation of passive and active solar strategies in buildings with complex topology. *Building Simulation* 2010;3(3):245-61.
196. Condemni V, Gestro M, Dozio E, Tartaglino B, Corsi Romanelli MM, Solimene U, et al. Association with meteo-climatological factors and daily emergency visits for renal colic and urinary calculi in Cuneo, Italy. A retrospective observational study, 2007-2010. *Int J Biometeorol* 2015;59(3):249-63.
197. Condemni V, Gestro M, Dozio E, Tartaglino B, Romanelli MMC, Solimene U, et al. Association with meteo-climatological factors and daily emergency visits for renal colic and urinary calculi in Cuneo, Italy. A retrospective observational study, 2007-2010. *Int J Biometeorol* 2015;59(3):249-63.

198. Conti C, Casati M, Colombo C, Realini M, Brambilla L, Zerbi G. Phase transformation of calcium oxalate dihydrate-monohydrate: Effects of relative humidity and new spectroscopic data. *Spectrochimica Acta Part a-Molecular and Biomolecular Spectroscopy* 2014;128:413-19.
199. Correcher V, Briatte C, Boronat C, Garcia-Guinea J. Radiation effect on cathodoluminescence and thermoluminescence emission of Ca-rich oxalates from the human body. *Luminescence* 2018;33(8):1438-44.
200. Cramer JS, Forrest K. Renal lithiasis: addressing the risks of austere desert deployments. *Aviat Space Environ Med* 2006;77(6):649-53.
201. Cramer JS, Forrest K. Renal lithiasis: Addressing the risks of austere desert deployments. *Aviat Space Environ Med* 2006;77(6):649-53.
202. Cramer JS, Forrest K. Renal lithiasis: Addressing the risks of austere desert deployments. *Aviat Space Environ Med* 2006;77(6):649-53.
203. Crawford D. Electron microscopy of urinary calculi--some facts and artefacts. *Urol Res* 1984;12(1):17-22.
204. Crisan D, Dragan N, Crisan M, Ianculescu A, Todan L, Vedrine JC, et al. Structural study of the MO-Nd₂O₃ system obtained by a sol-gel procedure. *Comptes Rendus Chimie* 2018;21(3-4):232-46.
205. Crisan M, Dragan N, Crisan D, Ianculescu A, Nitoi I, Oancea P, et al. The effects of Fe, Co and Ni dopants on TiO₂ structure of sol-gel nanopowders used as photocatalysts for environmental protection: A comparative study. *Ceramics International* 2016;42(2):3088-95.
206. Dae Young Hong MD, Chang Gun Jee MD, Lee KR, 장문준. Seasonal Variation of Renal Colic in the Emergency Department and its Association with Climatic Parameters. *Journal of The Korean Society of Emergency Medicine* 2014;25(2):145-51.
207. Dagois R, Faure P, Bataillard P, Bouzouidja R, Coussy S, Leguedois S, et al. From atmospheric- to pedo-climate modeling in Technosols: A global scale approach. *Geoderma* 2017;301:47-59.
208. Dal Moro F. The influence of weather conditions on urolithiasis. *J Pediatr Urol* 2014;10(3):573.
209. Dalia Pano-Azucena A, Ovilla-Martinez B, Tlelo-Cuautle E, Manuel Munoz-Pacheco J, Gerardo de la Fraga L. FPGA-based implementation of different families of fractional-order chaotic oscillators applying Grunwald-Letnikov method. *Communications in Nonlinear Science and Numerical Simulation* 2019;72:516-27.
210. Dallas KB, Conti S, Liao JC, Sofer M, Pao AC, Leppert JT, et al. Redefining the Stone Belt: Precipitation Is Associated with Increased Risk of Urinary Stone Disease. *J Endourol* 2017;31(11):1203-10.
211. Dallas KB, Conti S, Liao JC, Sofer M, Pao AC, Leppert JT, et al. Redefining the Stone Belt: Precipitation Is Associated with Increased Risk of Urinary Stone Disease. *J Endourol* 2017;31(11):1203-10.
212. D'Angelo C, Pace DD, Bertuccelli D, Bertuccelli G. Spectroscopic analysis of signals from LIBS experiments. In: Marcano A, Paz JL, eds. *Riao/Optilas 2004: 5th Iberoamerican Meeting on Optics and 8th Latin American Meeting on Optics, Lasers, and Their Applications, Pts 1-3: Ico Regional Meeting2004*:1037-42.
213. D'Ascenzo G, Marino A. [Action of chenodeoxycholic acid on cholesterol calculi]. *Farmaco Prat* 1975;30(7):328-39.
214. Davey HP, Embery G, Cummins D. Interaction of zinc with a synthetic calcium phosphate mineral. *Caries Res* 1997;31(6):434-40.

-
215. Davey HP, Embery G, Cummins D. Interaction of zinc with a synthetic calcium phosphate mineral. *Caries Res* 1997;31(6):434-40.
 216. de Medeiros Junior WB, Preve CT, Balbino FO, da Silva TA, de Oliveira Lopes EM. ON AN INTEGRATED DYNAMIC CHARACTERIZATION OF VISCOELASTIC MATERIALS BY FRACTIONAL DERIVATIVE AND GHM MODELS. *Latin American Journal of Solids and Structures* 2019;16(2)
 217. de Parga GA, Santillan M. A variational approach to some properties of endoreversible heat engines. *Revista Mexicana De Fisica* 1998;44(4):373-76.
 218. de Preneuf JM. [Legal requirements, quality criteria, therapeutic interest and dietetics of mineral waters: study of the case of the natural mineral water of Evian]. *J Physiol (Paris)* 1984;79(6):547-60.
 219. Dedovic NA, Matic-Kekic S, Ponjican O, Karadzic B. New approach to border line evaluations for whole sample of Williams pear (*Pyrus communis*). *Computers and Electronics in Agriculture* 2011;79(1):94-101.
 220. Dehghan M, Tatarsi M. The use of Adomian decomposition method for solving problems in calculus of variations. *Mathematical Problems in Engineering* 2006
 221. Deseri L, Di Paola M, Zingales M. Free energy and states of fractional-order hereditariness. *International Journal of Solids and Structures* 2014;51(18):3156-67.
 222. Di Mino G, Airey G, Di Paola M, Pinnola FP, D'Angelo G, Lo Presti D. LINEAR AND NONLINEAR FRACTIONAL HEREDITARY CONSTITUTIVE LAWS OF ASPHALT MIXTURES. *Journal of Civil Engineering and Management* 2016;22(7):882-89.
 223. Di Nunno G, Fiocco A, Karlsen EH. On the approximation of Levy driven Volterra processes and their integrals. *Journal of Mathematical Analysis and Applications* 2019;476(1):120-48.
 224. Diaz A, Davydov D, Chen Y. On the equivalence of the two foundational formulations for atomistic flux in inhomogeneous transport processes. *Proceedings of the Royal Society a-Mathematical Physical and Engineering Sciences* 2019;475(2223)
 225. Díaz-Colomé Y, García-Pereira A, Calzadilla-Pereira Jd, Chávez-Esponda D, Jiménez-Álvarez YR, Fernández-Chuarey L. Modelación estadística experimental de deshidratación de fruta bomba (Carga papaya L.) variedad Maradol roja. *Revista Ciencias Técnicas Agropecuarias* 2017;40-46.
 226. Didier YEH, Marie EaEaJ, Hubert B-BG, Patrice EA. ! Solution of the one-speed neutron transport equation in anisotropic scattering medium with a Pomraning-Eddington approximation approach. *Journal of Physics Communications* 2019;3(5)
 227. Dieleman JP, Sturkenboom M, Jambroes M, Gyssens IC, Weverling GJ, ten Veen JH, et al. Risk factors for urological symptoms in a cohort of users of the HIV protease inhibitor indinavir sulfate - The ATHENA cohort. *Arch Intern Med* 2002;162(13):1493-501.
 228. Dimakis A, Mueller-Hoissen F. Dispersionless limit of the noncommutative potential KP hierarchy and solutions of the pseudodual chiral model in 2+1 dimensions. *Journal of Physics a-Mathematical and Theoretical* 2008;41(26)
 229. do Carmo WP, Lenzi MK, Lenzi EK, Fortuny M, Santos AF. A fractional model to relative viscosity prediction of water-in-crude oil emulsions. *Journal of Petroleum Science and Engineering* 2019;172:493-501.
 230. Dombry C, Ribatet M, Stoev S. Probabilities of Concurrent Extremes. *Journal of the American Statistical Association* 2018;113(524):1565-82.

231. Dongre AR, Rajalakshmi M, Deshmukh PR, Thirunavukarasu MR, Kumar R. Risk Factors for Kidney Stones in Rural Puducherry: Case-Control Study. *Journal of Clinical and Diagnostic Research* 2017;11(9):LC1-LC5.
232. Dongre AR, Rajalakshmi M, Deshmukh PR, Thirunavukarasu MR, Kumar R. Risk factors for kidney stones in rural Puducherry: Case-Control study. *Journal of Clinical and Diagnostic Research* 2017;11(9):LC01-LC05.
233. Dordea T, Dordea TP, Biriescu M, Madescu G, Torac I, Mot M, et al. THE ELECTRIC CURRENTS TROUGH ROEBEL BARE HOLLOW SUBCONDUCTORS. PART. 1: THE INTERNAL FLUXES CALCULUS. *Revue Roumaine Des Sciences Techniques-Serie Electrotechnique Et Energetique* 2008;53(4):377-91.
234. Dordea T, Dordea TP, Biriescu M, Madescu G, Torac I, Mot M, et al. THE ELECTRIC CURRENTS TROUGH ROEBEL BARE HOLLOW SUBCONDUCTORS. PART 2: THE STRAND CURRENT CALCULUS. *Revue Roumaine Des Sciences Techniques-Serie Electrotechnique Et Energetique* 2010;55(2):113-22.
235. Dozic J, Bogdanovic J, Sekulic V, Popov M, Dukic M, Marusic G. [The use of rigid ureteroscope in the treatment of ureteral steinstrasse after extra corporeal shockwave lithotripsy of renal calculi--case report]. *Med Pregl* 2004;57(11-12):597-600.
236. Dozic J, Bogdanovic J, Sekulic V, Popov M, Dukic M, Marusic G. The use of rigid ureteroscope in the treatment of ureteral steinstrasse after extra corporeal shockwave lithotripsy of renal calculi--case report. *Med Pregl* 2004;57(11-12):597-600.
237. Dozić J, Bogdanović J, Sekulić V, Popov M, Dukić M, Marusić G. The use of rigid ureteroscope in the treatment of ureteral steinstrasse after extra corporeal shockwave lithotripsy of renal calculi--case report. *Med Pregl* 2004;57(11-12):597-600.
238. Driessens FC. Mineral aspects of dentistry. *Monogr Oral Sci* 1982;10:1-215.
239. Driouch A, Djelloul A, Kaid-Omar Z, Semmoud A, Rais A, Addou A. Optimized experimental design for the inhibition of calcium oxalate using a turbidimetric model. *Asia-Pacific Journal of Chemical Engineering* 2008;3(4):425-31.
240. Duenas MJ, Estrada P. Immobilization of beta-xylosidase from *Trichoderma reesei* QM 9414 on nylon powder. *Biocatalysis and Biotransformation* 1999;17(2):139-61.
241. D'Urso G, Longo M, Ceretti E, Giardini C. Coupled Simulative-Experimental Procedure for Studying the Solid State Bonding Phenomena. In: Tomesani L, Donati L, eds. *Progress in Extrusion Technology and Simulation of Light Metal Alloys* 2012:181-+.
242. Eisenberger F, Heim G. [Hypothermic perfusion of the kidneys during surgical treatment of kidney calculi]. *Helv Chir Acta* 1974;41(3):315-9.
243. Eisenstein J, Roberts SB, Dallal G, Saltzman E. High-protein weight-loss diets: are they safe and do they work? A review of the experimental and epidemiologic data. *Nutr Rev* 2002;60(7 Pt 1):189-200.
244. Eisenstein J, Roberts SB, Dallal G, Saltzman E. High-protein weight-loss diets: Are they safe and do they work? A review of the experimental and epidemiologic data. *Nutr Rev* 2002;60(7):189-200.
245. Eisner BH, Sheth S, Herrick B, Pais Jr VM, Sawyer M, Miller N, et al. The effects of ambient temperature, humidity and season of year on urine composition in patients with nephrolithiasis. *BJU Int* 2012;110(11 C):E1014-E17.

246. Eisner BH, Sheth S, Herrick B, Pais VM, Jr., Sawyer M, Miller N, et al. The effects of ambient temperature, humidity and season of year on urine composition in patients with nephrolithiasis. *BJU Int* 2012;110(11 Pt C):E1014-7.
247. Eisner BH, Sheth S, Herrick B, Pais VM, Jr., Sawyer M, Miller N, et al. The effects of ambient temperature, humidity and season of year on urine composition in patients with nephrolithiasis. *BJU Int* 2012;110(11C):E1014-E17.
248. Ejiri S, Sasaki T, Hirose Y. Residual Stress Analysis of Textured Materials by X-ray Diffraction Method. In: Chandra T, Ionescu M, Mantovani D, eds. *Thermec 2011, Pts 1-4* 2012:1673-+.
249. El Habbani R, Chaqroune A, Houssaini TS, Arrayhani M, El Ammari J, Dami F, et al. Epidemiological study on urinary stones in the region of Fez and the risk of recurrence. *Prog Urol* 2016;26(5):287-94.
250. El Habbani R, Chaqroune A, Sqalli Houssaini T, Arrayhani M, El Ammari J, Dami F, et al. [Epidemiological study on urinary stones in the region of Fez and the risk of recurrence]. *Prog Urol* 2016;26(5):287-94.
251. Eldesoky IM, Mousa AA. PERISTALTIC FLOW OF A COMPRESSIBLE NON-NEWTONIAN MAXWELLIAN FLUID THROUGH POROUS MEDIUM IN A TUBE. *International Journal of Biomathematics* 2010;3(2):255-75.
252. Elliott JP, Jr., Gordon JO, Evans JW, Platt L. A stone season. A 10-year retrospective study of 768 surgical stone cases with respect to seasonal variation. *J Urol* 1975;114(4):574-7.
253. Elliott JP, Jr., Gordon JO, Evans JW, Platt L. A stone season. A 10-year retrospective study of 768 surgical stone cases with respect to seasonal variation. *The Journal of urology* 1975;114(4):574-7.
254. ElReshaid K, Mughal H, Kapoor M. Epidemiological profile, mineral metabolic pattern and crystallographic analysis of urolithiasis in Kuwait. *Eur J Epidemiol* 1997;13(2):229-34.
255. el-Reshaid K, Mughal H, Kapoor M. Epidemiological profile, mineral metabolic pattern and crystallographic analysis of urolithiasis in Kuwait. *Eur J Epidemiol* 1997;13(2):229-34.
256. Embon OM, Rose GA, Rosenbaum T. Chronic dehydration stone disease. *Br J Urol* 1990;66(4):357-62.
257. Embon OM, Rose GA, Rosenbaum T. Chronic dehydration stone disease. *Br J Urol* 1990;66(4):357-62.
258. Eramo S, Delfino D, Confaloni M, De Carolis C. The 1562 *De dentibus* by Girolamo Cardano. *Acta medico-historica adriatica : AMHA* 2014;12(1):27-76.
259. Espinosa-Paredes G, Vazquez-Rodriguez R, del Valle Gallegos E, Alonso G, Moghaddam NM. Fractional-space law for the neutron current density. *Annals of Nuclear Energy* 2013;55:120-25.
260. Ezzat M, Ezzat S. Fractional thermoelasticity applications for porous asphaltic materials. *Petroleum Science* 2016;13(3):550-60.
261. Ezzat M, Sabbah AS, El-Bary AA, Ezzat S. STOKES' FIRST PROBLEM FOR A THERMOELECTRIC FLUID WITH FRACTIONAL-ORDER HEAT TRANSFER. *Reports on Mathematical Physics* 2014;74(2):145-58.
262. Ezzat MA. Magneto-thermoelasticity with thermoelectric properties and fractional derivative heat transfer. *Physica B-Condensed Matter* 2011;406(1):30-35.
263. Ezzat MA, Abbas IA, El-Bary AA, Ezzat SM. NUMERICAL STUDY OF THE STOKES' FIRST PROBLEM FOR THERMOELECTRIC MICROPOLAR FLUID WITH FRACTIONAL DERIVATIVE HEAT TRANSFER. *Magnetohydrodynamics* 2014;50(3):263-77.

264. Ezzat MA, El Karamany AS, Fayik MA. Fractional order theory in thermoelastic solid with three-phase lag heat transfer. *Archive of Applied Mechanics* 2012;82(4):557-72.
265. Ezzat MA, El-Bary AA, Fayik MA. Fractional Fourier Law with Three-Phase Lag of Thermoelasticity. *Mechanics of Advanced Materials and Structures* 2013;20(8):593-602.
266. Ezzat MA, El-Karamany AS. Fractional order theory of a perfect conducting thermoelastic medium. *Canadian Journal of Physics* 2011;89(3):311-18.
267. Ezzat MA, El-Karamany AS, El-Bary AA, Fayik MA. ON FRACTIONAL ULTRA-LASER TWO-STEP THERMOELASTICITY. *Materials Physics and Mechanics* 2013;18(2):108-26.
268. Ezzat MA, El-Karamany AS, Fayik MA. FRACTIONAL ULTRAFAST LASER-INDUCED THERMO-ELASTIC BEHAVIOR IN METAL FILMS. *Journal of Thermal Stresses* 2012;35(7):637-51.
269. Fakheri RJ, Goldfarb DS. Association of nephrolithiasis prevalence rates with ambient temperature in the United States: a re-analysis. *Kidney Int* 2009;76(7):798.
270. Fakheri RJ, Goldfarb DS. Ambient temperature as a contributor to kidney stone formation: implications of global warming. *Kidney Int* 2011;79(11):1178-85.
271. Fakheri RJ, Goldfarb DS. Ambient temperature as a contributor to kidney stone formation: implications of global warming. *Kidney Int* 2011;79(11):1178-85.
272. Fakheri RJ, Goldfarb DS. Ambient temperature as a contributor to kidney stone formation: Implications of global warming. *Kidney Int* 2011;79(11):1178-85.
273. Falcini F, Garra R, Voller V. Modeling anomalous heat diffusion: Comparing fractional derivative and non-linear diffusivity treatments. *International Journal of Thermal Sciences* 2019;137:584-88.
274. Fanelli F, Liao X. The well-posedness issue for an inviscid zero-Mach number system in general Besov spaces. *Asymptotic Analysis* 2015;93(1-2):115-40.
275. Faqir NM. Optimization of operating temperature for an continuous immobilized glucose isomerase reactor with pseudo linear kinetics. *Engineering in Life Sciences* 2004;4(5):450-59.
276. Farcon EM, Morales P, al-Askari S. In vivo hypothermic perfusion during renal surgery. *Urology* 1974;3(4):414-20.
277. Febbo M, Lopes EMO, Bavastri CA. Influence of temperature on optimum viscoelastic absorbers in cubic nonlinear systems. *Journal of Vibration and Control* 2016;22(15):3396-412.
278. Feidt M, Costea M, Petrescu S, Stanciu C. Nonlinear Thermodynamic Analysis and Optimization of a Carnot Engine Cycle. *Entropy* 2016;18(7)
279. Ferrie BG, Scott R. Occupation and urinary tract stone disease. *Urology* 1984;24(5):443-5.
280. Ferrie BG, Scott R. Occupation and urinary tract stone disease. *Urology* 1984;24(5):443-5.
281. Ferrie BG, Scott R. Occupation and urinary tract stone disease. *Urology* 1984;24(5):443-45.
282. Filikowski J. Changes in the state of health of seamen induced by their working environment. *Bull Inst Marit Trop Med Gdynia* 1989;40(1-2):41-9.
283. Filipczynski L, Etienne J, Piechocki M. An attempt to reconstruct the lithotripter shock wave pulse in kidney: possible temperature effects. *Ultrasound Med Biol* 1992;18(6-7):569-77.
284. Filipczynski L, Etienne J, Piechocki M. An attempt to reconstruct the lithotripter shock wave pulse in kidney: possible temperature effects. *Ultrasound Med Biol* 1992;18(6-7):569-77.
285. Filipczyński L, Etienne J, Piechocki M. An attempt to reconstruct the lithotripter shock wave pulse in kidney: Possible temperature effects. *Ultrasound Med Biol* 1992;18(6-7):569-77.
286. Finlayson B, Dubois L. Kinetics of calcium oxalate deposition in vitro. *Invest Urol* 1973;10(6):429-33.

287. Finlayson B, Roth R. Appraisal of calcium oxalate solubility in sodium chloride and sodium-calcium chloride solutions. *Urology* 1973;1(2):142-4.
288. Fischer CP, Sonda LP, 3rd. Cryoprecipitate: its use and effects in canine coagulum pyelolithotomy. *Invest Urol* 1979;16(4):266-9.
289. Fletcher BA, Lin S, Fitzgerald EF, Hwang S-A. Association of Summer Temperatures With Hospital Admissions for Renal Diseases in New York State: A Case-Crossover Study. *Am J Epidemiol* 2012;175(9):907-16.
290. Fletcher BA, Lin S, Fitzgerald EF, Hwang SA. Association of summer temperatures with hospital admissions for renal diseases in New York State: a case-crossover study. *Am J Epidemiol* 2012;175(9):907-16.
291. Flores Garnica JG, Gómez Murillo LP. Estimación práctica de la variabilidad de la humedad de los combustibles bajo diferentes ecosistemas forestales. *Revista mexicana de ciencias forestales* 2011;2(5):45-57.
292. Florescu I, Viens F. Sharp estimation of the almost-sure Lyapunov exponent for the Anderson model in continuous space. *Probability Theory and Related Fields* 2006;135(4):603-44.
293. Foott JS, Stone R, Wiseman E, True K, Nichols K. Longevity of *Ceratomyxa shasta* and *Parvicapsula minibicornis* actinospore infectivity in the Klamath River. *J Aquat Anim Health* 2007;19(2):77-83.
294. Formiconi G, Tagliaferri G. Weather and the incidence of urinary stone colics in the Province of Florence. *Int J Biometeorol* 1984;28(2):147-56.
295. Formiconi G, Tagliaferri G. Weather and the incidence of urinary stone colics in the Province of Florence. *Int J Biometeorol* 1984;28(2):147-56.
296. Fram EB, Sorensen MD, Bird VG, Stern JM. Geographic location is an important determinant of risk factors for stone disease. *Urolithiasis* 2017;45(5):429-33.
297. Fram EB, Sorensen MD, Bird VG, Stern JM. Geographic location is an important determinant of risk factors for stone disease. *Urolithiasis* 2017;45(5):429-33.
298. Frang D, Berenyi M, Ruzinko B, Szendi L. [Drug therapy of mixed urate calculi]. *Z Urol Nephrol* 1969;62(7):535-41.
299. Frank M, De Vries A. Prevention of urolithiasis. Education to adequate fluid intake in a new town situated in the Judean Desert Mountains. *Arch Environ Health* 1966;13(5):625-30.
300. Franzen R, Rashidisangary B, Ozturan S, Vanweersch L, Gutknecht N. Intrapulpal temperature changes during root surface irradiation with dual-wavelength laser (2780 and 940 nm): in vitro study. *Journal of Biomedical Optics* 2015;20(1)
301. Freeg MA, Sreedharan J, Muttappallymyalil J, Venkatramana M, Shaafie IA, Mathew E, et al. A retrospective study of the seasonal pattern of urolithiasis. *Saudi J Kidney Dis Transpl* 2012;23(6):1232-7.
302. Freeg MAHA, Sreedharan J, Muttappallymyalil J, Venkatramana M, Shaafie IA, Mathew E, et al. A retrospective study of the seasonal pattern of urolithiasis. *Saudi journal of kidney diseases and transplantation : an official publication of the Saudi Center for Organ Transplantation, Saudi Arabia* 2012;23(6):1232-7.
303. Fried FA, Vermeulen CW. ARTIFICIAL URIC ACID CONCRETIONS AND OBSERVATIONS ON URIC ACID SOLUBILITY AND SUPERSATURATION. *Invest Urol* 1964;2:131-44.
304. Fried NM, Irby PB. Advances in laser technology and fibre-optic delivery systems in lithotripsy. *Nature Reviews Urology* 2018;15(9):563-73.

-
305. Friedlander AM, Braude AI. Production of bladder stones by human T mycoplasmas. *Nature* 1974;247(5435):67-9.
306. Frincu MC, Fleming SD, Rohl AL, Swift JA. The epitaxial growth of cholesterol crystals from bile solutions on calcite substrates. *J Am Chem Soc* 2004;126(25):7915-24.
307. Frison J, Kitano R, Matsufuru H, Mori S, Yamada N. Topological susceptibility at high temperature on the lattice. *Journal of High Energy Physics* 2016(9)
308. Frisvold GB. Water, Agriculture, and Drought in the West Under Changing Climate and Policy Regimes. *Natural Resources Journal* 2015;55(2):293-328.
309. Frost RL, Adebajo M, Weier ML. A Raman spectroscopic study of thermally treated glushinskite - the natural magnesium oxalate dihydrate. *Spectrochimica Acta Part a-Molecular and Biomolecular Spectroscopy* 2004;60(3):643-51.
310. Frost RL, Weier ML, Erickson KL. Thermal decomposition of struvite - Implications for the decomposition of kidney stones. *Journal of Thermal Analysis and Calorimetry* 2004;76(3):1025-33.
311. Fujimori S, Akaoka I, Sakamoto K, Yamanaka H, Nishioka K, Kamatani N. Common characteristics of mutant adenine phosphoribosyltransferases from four separate Japanese families with 2,8-dihydroxyadenine urolithiasis associated with partial enzyme deficiencies. *Hum Genet* 1985;71(2):171-6.
312. Fujimori S, Akaoka I, Takeuchi F, Kanayama H, Tatara K, Nishioka K, et al. Altered kinetic properties of a mutant adenine phosphoribosyltransferase. *Metabolism* 1986;35(2):187-92.
313. Fujita K. Epidemiology of urinary stone colic. *Eur Urol* 1979;5(1):26-8.
314. Fujita K. Weather and the incidence of urinary stone colic. *The Journal of urology* 1979;121(3):318-9.
315. Fujita K. Epidemiology of urinary stone colic. *Eur Urol* 1979;5(1):26-8.
316. Fujita K. Weather and the incidence of urinary stone colic in Tokyo. *Int J Biometeorol* 1987;31(2):141-6.
317. Fujita K. Weather and the incidence of urinary stone colic in Tokyo. *Int J Biometeorol* 1987;31(2):141-46.
318. Fujita K. Effect of weather on the incidence of urinary stone colic. *Japanese Journal of Nephrology* 1987;29(9):1123-27.
319. Fujita K. Influence of the weather on ureteral stone colic. *The Japanese Journal Of Nephrology* 1988;30(3):297-304.
320. Fukuhara H, Ichiiyanagi O, Kakizaki H, Naito S, Tsuchiya N. Clinical relevance of seasonal changes in the prevalence of ureterolithiasis in the diagnosis of renal colic. *Urolithiasis* 2016;44(6):529-37.
321. Fukuhara H, Ichiiyanagi O, Kakizaki H, Naito S, Tsuchiya N. Clinical relevance of seasonal changes in the prevalence of ureterolithiasis in the diagnosis of renal colic. *Urolithiasis* 2016;44(6):529-37.
322. Fukuhara H, Ichiiyanagi O, Kakizaki H, Naito S, Tsuchiya N. Clinical relevance of seasonal changes in the prevalence of ureterolithiasis in the diagnosis of renal colic. *Urolithiasis* 2016;44(6):529-37.
323. Fuss M, Simon J, Fontinoy N, Coussaert E. High fluid-low calcium intake: not all renal stone formers adhere to this simple treatment. *Eur Urol* 1979;5(2):97-9.
324. Fuss M, Simon J, Fontinoy N, Coussaert E. High fluid-low calcium intake: not all renal stone formers adhere to this simple treatment. *Eur Urol* 1979;5(2):97-9.

-
325. Galiullin MM, Valeev AR, Bayazitov MI, Repin VV, Anosova EP. TEMPERATURE CHANGE OF HEATED LIQUID ALONG PIPELINE IN THE FILLING MODE. *Neftegazovoe delo* 2016;14(1):100-05.
 326. Ganghoffer J-F. On Eshelby tensors in the context of the thermodynamics of open systems: Application to volumetric growth. *International Journal of Engineering Science* 2010;48(12):2081-98.
 327. Garza-Navarro MA, Reyes-Melo ME, Gonzalez-Gonzalez V, Guerrero-Salazar C, Ortiz-Mendez U. Modeling of Isochronal Complex Magnetic Susceptibility of Polymer-Magnetic Nanocomposites Using Fractional Calculus. *Journal of Applied Polymer Science* 2012;123(4):2154-61.
 328. Gaspar PD, Carrilho Goncalves LC, Pitarma RA. Experimental analysis of the thermal entrainment factor of air curtains in vertical open display cabinets for different ambient air conditions. *Applied Thermal Engineering* 2011;31(5):961-69.
 329. Gaziev G, Asimakopoulos AD, Wadhwa K, Topazio L, Germani S, Miano R. The influence of environmental conditions on the incidence of renal colic in Rome. *Urologia* 2016;83(2):77-82.
 330. Gaziev G, Asimakopoulos AD, Wadhwa K, Topazio L, Germani S, Miano R. The influence of environmental conditions on the incidence of renal colic in Rome. *Urologia Journal* 2016;83(2):77-82.
 331. Ge P, Bottega WJ. EFFECTS OF TRANSVERSE SHEAR DEFORMATION ON THERMOMECHANICAL INSTABILITIES IN PATCHED STRUCTURES WITH EDGE DAMAGE. *Journal of Mechanics of Materials and Structures* 2013;8(8-10):501-23.
 332. Georgescu B, Mihailescu D, Gheonea MC. Shear Resistance of Joints Spot Cold Pressure Welding. In: Slatineanu L, Merticaru V, Nagit G, et al., eds. *Engineering Solutions and Technologies in Manufacturing* 2014:251-55.
 333. Geraghty RM, Proietti S, Traxer O, Archer M, Somani BK. Worldwide Impact of Warmer Seasons on the Incidence of Renal Colic and Kidney Stone Disease: Evidence from a Systematic Review of Literature. *J Endourol* 2017;31(8):729-35.
 334. Geraghty RM, Proietti S, Traxer O, Archer M, Somani BK. Worldwide Impact of Warmer Seasons on the Incidence of Renal Colic and Kidney Stone Disease: Evidence from a Systematic Review of Literature. *J Endourol* 2017;31(8):729-35.
 335. Geraghty RM, Proietti S, Traxer O, Archer M, Somani BK. Worldwide Impact of Warmer Seasons on the Incidence of Renal Colic and Kidney Stone Disease: Evidence from a Systematic Review of Literature. *J Endourol* 2017;31(8):729-35.
 336. Glickman RD, Teichman JMH, Corbin NS, Vassar GJ, Weintraub SE, Chan KF, et al. Photothermal ablation is the primary mechanism in Holmium : YAG laser lithotripsy of urinary calculi. In: Luo Q, Chance B, Wang L, et al., eds. *1999 International Conference on Biomedical Optics* 1999:376-84.
 337. Gohel MD, Shum DK, Li MK. Crystallization of urinary calcium oxalate at standardized osmolality and pH in the frozen state. *Clin Chim Acta* 1994;231(1):11-22.
 338. Golbabai A, Sayevand K. Solitary pattern solutions for fractional Zakharov-Kuznetsov equations with fully nonlinear dispersion. *Applied Mathematics Letters* 2012;25(4):757-66.
 339. Goldfarb DS. The exposome for kidney stones. *Urolithiasis* 2016;44(1):3-7.
 340. Goldfarb DS. The exposome for kidney stones. *Urolithiasis* 2016;44(1):3-7.
 341. Goldfarb DS. The exposome for kidney stones. *Urolithiasis* 2016;44(1):3-7.
 342. Goldfarb DS, Hirsch J. Hypothesis: Urbanization and exposure to urban heat islands contribute to increasing prevalence of kidney stones. *Med Hypotheses* 2015;85(6):953-7.

343. Goldfarb DS, Hirsch J. Hypothesis: Urbanization and exposure to urban heat islands contribute to increasing prevalence of kidney stones. *Med Hypotheses* 2015;85(6):953-57.
344. Goldfarb DS, Hirsch J. Hypothesis: Urbanization and exposure to urban heat islands contribute to increasing prevalence of kidney stones. *Med Hypotheses* 2015;85(6):953-57.
345. Goldman L, Hornby P, Meyer R, Goldman B. IMPACT OF THE LASER ON DENTAL CARIES. *Nature* 1964;203:417.
346. Golmankhaneh AK, Baleanu D. HEAT AND MAXWELL'S EQUATIONS ON CANTOR CUBES. *Romanian Reports in Physics* 2017;69(2)
347. Grant C, Guzman G, Stainback RP, Amdur RL, Mufarrij P. Variation in Kidney Stone Composition Within the United States. *J Endourol* 2018;32(10):973-77.
348. Grant C, Guzman G, Stainback RP, Amdur RL, Mufarrij P. Variation in Kidney Stone Composition Within the United States. *J Endourol* 2018;32(10):973-77.
349. Grant C, Guzman G, Stainback RP, Amdur RL, Mufarrij P. Variation in Kidney Stone Composition Within the United States. *J Endourol* 2018;32(10):973-77.
350. Greenstein A. Editorial comment. *J Urol* 2010;183(4):1423; discussion 23.
351. Gregoir W. Proceedings: Surgery of cast calculi with kidney cooling. *Br J Urol* 1974;46(1):118.
352. Grubb G. A weakly polyhomogeneous calculus for pseudodifferential boundary problems. *Journal of Functional Analysis* 2001;184(1):19-76.
353. Grubb G. Logarithmic terms in trace expansions of Atiyah-Patodi-Singer problems. *Annals of Global Analysis and Geometry* 2003;24(1):1-51.
354. Grubb G. Regularity in L-p Sobolev spaces of solutions to fractional heat equations. *Journal of Functional Analysis* 2018;274(9):2634-60.
355. Grubb G, Hansen L. Complex powers of resolvents of pseudodifferential operators. *Communications in Partial Differential Equations* 2002;27(11-12):2333-61.
356. Guenther RW, Klose KJ, Schmidt HD. Work in progress: percutaneous transhepatic electrocutting of stenoses after hepaticojejunostomy. *Radiology* 1983;146(2):355-8.
357. Gulacti U, Polat H, Lok U, Aydin I. The evaluation of patients with renal colic due to urinary tract stones in emergency department. *European Journal of Therapeutics* 2016;22(1):22-26.
358. Gwirc SN, Negreira CA. Evaluation of the effect of porosity and substrate on the piezoelectric behaviour of thick-film PZT elements. *Journal of Physics D-Applied Physics* 2006;39(19):4215-21.
359. Haak BH, Kunstmann PC. Weighted admissibility and wellposedness of linear systems in Banach spaces. *Siam Journal on Control and Optimization* 2007;45(6):2094-118.
360. Hach L, Katoh Y. Compact simulation model of non-air conditioned room and estimation of its thermal characteristics under winter conditions. *Jsm International Journal Series C-Mechanical Systems Machine Elements and Manufacturing* 2003;46(1):212-23.
361. Hackl K, Junker P, Heinen R. Variational modeling of shape memory alloys - an overview. *International Journal of Materials Research* 2011;102(6):643-51.
362. Hadiyanto, Esveld DC, Boom RM, van Straten G, van Boxtel AJB. Product quality driven design of bakery operations using dynamic optimization. *Journal of Food Engineering* 2008;86(3):399-413.
363. Hakouk K, Giaume D, Barboux P, Sablayrolles J. Solution synthesis of Y1-xBixVO4 for optical applications. *Journal of Luminescence* 2012;132(6):1389-93.
364. Hall WD, Pettinger M, Oberman A, Watts NB, Johnson KC, Paskett ED, et al. Risk factors for kidney stones in older women in the southern United States. *Am J Med Sci* 2001;322(1):12-8.
365. Hallson PC, Rose GA. Seasonal variations in urinary crystals. *Br J Urol* 1977;49(4):277-84.

366. Hambly B, Jones OD. Modelling transport in disordered media via diffusion on fractals. *Mathematical and Computer Modelling* 2000;31(10-12):129-42.
367. Hamza F, Abd El-Latief AM, Fayik M. Memory time effect on electromagnetic-thermoelastic materials. *Journal of Electromagnetic Waves and Applications* 2015;29(4):474-501.
368. Hamza F, Abdou M, Abd El-Latief AM. GENERALIZED FRACTIONAL THERMOELASTICITY ASSOCIATED WITH TWO RELAXATION TIMES. *Journal of Thermal Stresses* 2014;37(9):1080-98.
369. Hamza F, El-Latief AMA, Abdou M. 1D applications on fractional generalized thermoelasticity associated with two relaxation times. *Mechanics of Advanced Materials and Structures* 2016;23(6):689-703.
370. Hardy LA, Fried NM. Comparison of 1908 and 1940 nm Wavelengths for Thulium Fiber Laser Lithotripsy. In: Kang HW, ed. *Therapeutics and Diagnostics in Urology* 2019;2019.
371. Hardy LA, Kennedy JD, Wilson CR, Irby PB, Fried NM. Cavitation Bubble Dynamics during Thulium Fiber Laser Lithotripsy. In: Choi B, Kollias N, Zeng H, et al., eds. *Photonic Therapeutics and Diagnostics Xii* 2016.
372. Hardy LA, Kennedy JD, Wilson CR, Irby PB, Fried NM. Analysis of thulium fiber laser induced bubble dynamics for ablation of kidney stones. *Journal of Biophotonics* 2017;10(10):1240-49.
373. Hardy LA, Wilson CR, Irby PB, Fried NM. Thulium fiber laser lithotripsy in an in vitro ureter model. *J Biomed Opt* 2014;19(12):128001.
374. Hayat T, Ali N, Asghar S. Hall effects on peristaltic flow of a Maxwell fluid in a porous medium. *Physics Letters A* 2007;363(5-6):397-403.
375. He T, Guo Y. A One-Dimensional Thermoelastic Problem due to a Moving Heat Source under Fractional Order Theory of Thermoelasticity. *Advances in Materials Science and Engineering* 2014.
376. Heidarpour A, Bradford MA. Generic non-linear modelling of a bi-material composite beam with partial shear interaction. *International Journal of Non-Linear Mechanics* 2009;44(3):290-97.
377. Hein S, Petzold R, Schoenthaler M, Wetterauer U, Miernik A. Thermal effects of Ho: YAG laser lithotripsy: real-time evaluation in an in vitro model. *World J Urol* 2018;36(9):1469-75.
378. Hein S, Schoenthaler M, Suarez-Ibarrola R, Mueller P-F, Schoeb D, Miernik A. Current trends in flexible ureteroscopy: an update. *Aktuelle Urol* 2019;50(1):56-62.
379. Henke SF, Shanbhag S. Mesh sensitivity in peridynamic simulations. *Computer Physics Communications* 2014;185(1):181-93.
380. Hermida Perez JA, Perez Palmes MdLP, Loro Ferrer JF, Ochoa Urdangarain O, Buduen Nunez A. Renal colic at emergency departments. Epidemiologic, diagnostic and etiopathogenic study. *Arch Esp Urol* 2010;63(3):173-87.
381. Hernandez M, Fox CL, GarciaMoro C. Fueguian cranial morphology: The adaptation to a cold, harsh environment. *Am J Phys Anthropol* 1997;103(1):103-17.
382. Hernandez-Wong J, Rojas-Trigos JB, Nogal U, Suarez V, Marin E, Calderon A. Axisymmetric modelling of transient thermal response in solids for application to infrared photothermal radiometry technique. *Revista Mexicana De Fisica* 2019;65(1):54-64.
383. Hess B, Ryall RL, Kavanagh JP, Khan SR, Kok DJ, Rodgers AL, et al. Methods for measuring crystallization in urolithiasis research: Why, how and when? *Eur Urol* 2001;40(2):220-30.
384. Hesse A, Schneider HJ, Berg W, Hienzsch E. Uric acid dihydrate as urinary calculus component. *Invest Urol* 1975;12(5):405-9.

-
385. Heymans N. Constitutive equations for polymer viscoelasticity derived from hierarchical models in cases of failure of time-temperature superposition. *Signal Processing* 2003;83(11):2345-57.
 386. Hidalgo-Reyes JI, Gomez-Aguilar JF, Escobar-Jimenez RF, Alvarado-Martinez VM, Lopez-Lopez MG. Classical and fractional-order modeling of equivalent electrical circuits for supercapacitors and batteries, energy management strategies for hybrid systems and methods for the state of charge estimation: A state of the art review. *Microelectronics Journal* 2019;85:109-28.
 387. Higgins TL, Miller EV, Roberts J. Accidental hyperthermia as a complication of extracorporeal shock-wave lithotripsy under general anesthesia. *Anesthesiology* 1987;66(3):389-91.
 388. Hokama S, Toma C, Jahana M, Iwanaga M, Morozumi M, Hatano T, et al. Ascorbate conversion to oxalate in alkaline milieu and *Proteus mirabilis* culture. *Mol Urol* 2000;4(4):321-8.
 389. Holthuis AF, Gelskey SC, Chebib FS. The relationship between gingival tissue temperatures and various indicators of gingival inflammation. *J Periodontol* 1981;52(4):187-9.
 390. Hong LS. [Care of patients with lithotomy via the renal parenchyma by transpelvic cold irrigation]. *Zhonghua Hu Li Za Zhi* 1987;22(2):67-8.
 391. Hozejowska S, Piasecka M. Equalizing calculus in Trefftz method for solving two-dimensional temperature field of FC-72 flowing along the minichannel. *Heat and Mass Transfer* 2014;50(8):1053-63.
 392. Hutchens TC, Blackmon RL, Irby PB, Fried NM. Hollow steel tips for reducing distal fiber burn-back during thulium fiber laser lithotripsy. *Journal of Biomedical Optics* 2013;18(7)
 393. Hutchens TC, Blackmon RL, Irby PB, Fried NM. Detachable fiber optic tips for use in thulium fiber laser lithotripsy. *Journal of Biomedical Optics* 2013;18(3)
 394. Hutchens TC, Gonzalez DA, Irby PB, Fried NM. Fiber optic muzzle brake tip for reducing fiber burnback and stone retropulsion during thulium fiber laser lithotripsy. *Journal of Biomedical Optics* 2017;22(1)
 395. Ibrahim RW, Jahangiri JM. Existence of fractional differential chains and factorizations based on transformations. *Mathematical Methods in the Applied Sciences* 2015;38(12):2630-35.
 396. Ibrahim RW, Jalab HA. The Generalization of Plackett-Burman Design Based on Fractional Calculus of Complex Order. In: Ibrahim H, Zulkepli J, Aziz N, et al., eds. *International Conference on Quantitative Sciences and Its Applications* 2014:107-12.
 397. Ichiyanagi O, Fukuhara H, Naito S, Nishida H, Sakurai T, Kurokawa M, et al. Rise in ambient temperature predisposes aging, male Japanese patients to renal colic episodes due to upper urolithiasis. *Scand J Urol* 2017;51(2):152-58.
 398. Ichiyanagi O, Fukuhara H, Naito S, Nishida H, Sakurai T, Kurokawa M, et al. Rise in ambient temperature predisposes aging, male Japanese patients to renal colic episodes due to upper urolithiasis. *Scandinavian Journal of Urology* 2017;51(2):152-58.
 399. Ichiyanagi O, Fukuhara H, Naito S, Nishida H, Sakurai T, Kurokawa M, et al. Rise in ambient temperature predisposes aging, male Japanese patients to renal colic episodes due to upper urolithiasis. *Scandinavian Journal of Urology* 2017;51(2):152-58.
 400. Idelsohn SR, Onate E, Del Pin F, Calvo N. Fluid-structure interaction using the particle finite element method. *Computer Methods in Applied Mechanics and Engineering* 2006;195(17-18):2100-23.
 401. Iga JL, Iga JL, Iga CL, Flores RA. Effect of air density variations on greenhouse temperature model. *Mathematical and Computer Modelling* 2008;47(9-10):855-67.

-
402. Ioan MR. ANALYZING OF THE RADIATION INDUCED DAMAGE TO OPTICAL GLASSES BY USING ONLINE HEATING LASER MEASUREMENTS. *Romanian Journal of Physics* 2016;61(3-4):614-25.
403. Ivanova M, Angelieva R, Arnaudova E, Krastnikova Z, Georgiev I. [Determination of the turbidity temperature of solutions of the nonionogenic surface-active agent LF-57 after the action on urinary calculi in uric acid]. *Biofizika* 1991;36(1):141-3.
404. Izatulina AR, Punin YO, Golovanova OA. TO THE FORMATION OF AGGREGATE STRUCTURES OF KIDNEY STONES. *Journal of Structural Chemistry* 2014;55(7):1225-31.
405. Jackson B. Partial dynamic equations on time scales. *Journal of Computational and Applied Mathematics* 2006;186(2):391-415.
406. Jafari SA. GRAPHICAL SOLUTION OF THE ISING MODEL ON HONEYCOMB LATTICE. *International Journal of Modern Physics B* 2009;23(3):395-401.
407. Jain M, Rani A, Pachauri N, Singh V, Mittal AP. Design of fractional order 2-DOF PI controller for real-time control of heat flow experiment. *Engineering Science and Technology-an International Journal-Jestech* 2019;22(1):215-28.
408. Janssen KM, Brand TC, Cunitz BW, Wang YN, Simon JC, Starr F, et al. Safety and Effectiveness of a Longer Focal Beam and Burst Duration in Ultrasonic Propulsion for Repositioning Urinary Stones and Fragments. *J Endourol* 2017;31(8):793-99.
409. Jeong JH, Kang IS. Optimization of the crystal surface temperature distribution in the single-crystal growth process by the Czochralski method. *Journal of Computational Physics* 2002;177(2):284-312.
410. Jia Y-Q, Jiang G-P. Chaotic system synchronization of state-observer-based fractional-order time-delay. *Acta Physica Sinica* 2017;66(16)
411. Jin B, Lazarov R, Thomee V, Zhou Z. ON NONNEGATIVITY PRESERVATION IN FINITE ELEMENT METHODS FOR SUBDIFFUSION EQUATIONS. *Mathematics of Computation* 2017;86(307):2239-60.
412. Jinescu CV. Minimizing Energy Consumption in Polymer Extrusion. *Materiale Plastice* 2014;51(3):235-40.
413. Jinescu CV, Teodorescu N. Extruder Performance based on a Correlated Extruder Head-screw-barrel Unit Working Field. *Materiale Plastice* 2015;52(1):1-3.
414. Job G, Lankau T. How harmful is the first law? In: Earley JE, ed. *Chemical Explanation: Characteristics, Development, Autonomy* 2003:171-81.
415. Johnson RJ, Sanchez-Lozada LG, Newman LS, Lanaspa MA, Diaz HF, Lemery J, et al. Climate Change and the Kidney. *Ann Nutr Metab* 2019;74 Suppl 3:38-44.
416. Johnson RJ, Sanchez-Lozada LG, Newman LS, Lanaspa MA, Diaz HF, Lemery J, et al. Climate Change and the Kidney. *Ann Nutr Metab* 2019;74:38-44.
417. Josseran L, Caillere N, Brun-Ney D, Rottner J, Filleul L, Brucker G, et al. Syndromic surveillance and heat wave morbidity: a pilot study based on emergency departments in France. *BMC Med Inform Decis Mak* 2009;9:14.
418. Josseran L, Caillere N, Brun-Ney D, Rottner J, Filleul L, Brucker G, et al. Syndromic surveillance and heat wave morbidity: a pilot study based on emergency departments in France. *BMC Med Inform Decis Mak* 2009;9
419. Kadem A, Baleanu D. Fractional radiative transfer equation within Chebyshev spectral approach. *Computers & Mathematics with Applications* 2010;59(5):1865-73.

-
420. Kalaitzidis RG, Damigos D, Siamopoulos KC. Environmental and stressful factors affecting the occurrence of kidney stones and the kidney colic. *Int Urol Nephrol* 2014;46(9):1779-84.
 421. Kalash SS, Young JD, Jr., Harne G. Modification of cryoprecipitate coagulum pyelolithotomy technique. *Urology* 1982;19(5):467-71.
 422. Kale SS, Ghole VS, Pawar NJ, Jagtap DV. Inter-annual variability of urolithiasis epidemic from semi-arid part of Deccan Volcanic Province, India: climatic and hydrogeochemical perspectives. *Int J Environ Health Res* 2014;24(3):278-89.
 423. Kale SS, Ghole VS, Pawar NJ, Jagtap DV. Inter-annual variability of urolithiasis epidemic from semi-arid part of Deccan Volcanic Province, India: climatic and hydrogeochemical perspectives. *Int J Environ Health Res* 2014;24(3):278-89.
 424. Kambal A, Wahab EM, Khattab AH. Urolithiasis in Sudan. Geographical distribution and the influence of climate. *Trop Geogr Med* 1979;31(1):75-9.
 425. Kambal A, Wahab EM, Khattab AH. Urolithiasis in Sudan. Geographical distribution and the influence of climate. *Trop Geogr Med* 1979;31(1):75-9.
 426. Kant S, Mukhopadhyay S. Investigation of a problem of an elastic half space subjected to stochastic temperature distribution at the boundary. *Applied Mathematical Modelling* 2017;46:492-518.
 427. Karatay I, Bayramoglu SR. A Characteristic Difference Scheme for Time-Fractional Heat Equations Based on the Crank-Nicholson Difference Schemes. *Abstract and Applied Analysis* 2012
 428. Karatay I, Kale N, Bayramoglu SR. A new difference scheme for time fractional heat equations based on the Crank-Nicholson method. *Fractional Calculus and Applied Analysis* 2013;16(4):892-910.
 429. Kataoka K. [Studies on calcium oxalate crystal formation in urolithiasis]. *Nihon Hinyokika Gakkai Zasshi* 1987;78(2):203-17.
 430. Katicha SW, Apeagyei AK, Flintsch GW, Loulizi A. Universal linear viscoelastic approximation property of fractional viscoelastic models with application to asphalt concrete. *Mechanics of Time-Dependent Materials* 2014;18(3):555-71.
 431. Kato T, Yamakawa K, Kawamura J. [Oxalate influx rate in red blood cells in calcium oxalate nephrolithiasis]. *Hinyokika Kyo* 1991;37(8):837-44.
 432. Kaymak B, Ozcakar L, Aksoy S. Urinary colic during low-back treatment: out of the frying pan into the fire? *Pain Med* 2009;10(4):771-3.
 433. Ketabchi AA, Azizolahi GA. Prevalence of symptomatic urinary calculi in Kerman, Iran. *Urol J* 2008;5(3):156-60.
 434. Ketabchi AA, Azizolahi GA. Prevalence of symptomatic urinary calculi in Kerman, Iran. *Urology journal* 2008;5(3):156-60.
 435. Khalil AA, Gondal MA, Shemis M, Khan IS. Detection of carcinogenic metals in kidney stones using ultraviolet laser-induced breakdown spectroscopy. *Appl Opt* 2015;54(8):2123-31.
 436. Khan M, Kazi TG, Afridi HI, Bilal M, Akhtar A, Ullah N, et al. Application of ultrasonically modified cloud point extraction method for simultaneous enrichment of cadmium and lead in sera of different types of gallstone patients. *Ultrason Sonochem* 2017;39:313-20.
 437. Khelifa M, Khennane A, El Ganaoui M, Celzard A. Numerical modelling of 3D dowelled timber joints using advanced fully coupled hydro-mechanical constitutive equations. *Mechanics & Industry* 2015;16(5)
 438. Kissonck JK, Eger C. Measuring industrial energy savings. *Applied Energy* 2008;85(5):347-61.

-
439. Kober A, Dobrovits M, Djavan B, Marberger M, Barker R, Bertalanffy P, et al. Local active warming: an effective treatment for pain, anxiety and nausea caused by renal colic. *J Urol* 2003;170(3):741-4.
 440. Kodama H, Ohno Y. [Analytical epidemiology of urolithiasis]. *Hinyokika Kiyo* 1989;35(6):935-47.
 441. Kodama H, Ohno Y. Analytical epidemiology of urolithiasis. *Hinyokika Kiyo* 1989;35(6):935-47.
 442. Koeller RC. Toward an equation of state for solid materials with memory by use of the half-order derivative. *Acta Mechanica* 2007;191(3-4):125-33.
 443. Kojima S. Theoretical Evaluation of the Maximum Work of Free-Piston Engine Generators. *Journal of Non-Equilibrium Thermodynamics* 2017;42(1):31-58.
 444. Konjiki T, Sudo T, Kohyama N. Mineralogical notes of apatite in urinary calculi. *Calcif Tissue Int* 1980;30(2):101-7.
 445. Korsunsky AM, Regino G, Nowell D. Residual stress analysis of welded joints by the variational eigenstrain approach. In: Quan C, Chau FS, Asundi A, et al., eds. *Third International Conference on Experimental Mechanics and Third Conference of the Asian-Committee-on-Experimental-Mechanics*, Pts 1 and 2 2005:487-93.
 446. Kothari S, Mukhopadhyay S. A Problem on Elastic Half Space Under Fractional Order Theory of Thermoelasticity. *Journal of Thermal Stresses* 2011;34(7):724-39.
 447. Kotinis-Zambakas SJ. Climatic characteristics of the high urinary tract calculi areas all over the world. *Geogr Med* 1990;20:25-31.
 448. Kotinis-Zambakas SJ. Climatic characteristics of the high urinary tract calculi areas all over the world. *Geogr Med* 1990;20:25-31.
 449. Koval'chuk VK. Medical and ecological assessment of climate effects on urolithiasis morbidity in population of Primorsky territory. *Urologiia (Moscow, Russia : 1999)* 2004(3):6-10.
 450. Kreydiyyeh SI, Usta J, Knio K, Markossian S, Dagher S. Aniseed oil increases glucose absorption and reduces urine output in the rat. *Life Sci* 2003;74(5):663-73.
 451. Kreydiyyeh SI, Usta J, Knio K, Markossian S, Dagher S. Aniseed oil increases glucose absorption and reduces urine output in the rat. *Life Sci* 2003;74(5):663-73.
 452. Krizek V, Schneider HJ, Hesse A, Tscharnke J, Heide K. [Analytical studies on the chemical composition and structure of cystine calculi]. *Urologe A* 1973;12(4):183-7.
 453. Kubicek P, Drapala J, Wostry P. Evaluation of Concentration Dependent Diffusivities of Manganese in the Diffusion Joint Fe/FeMn-Steel by Means of Mathematical-Analytical Methods. In: Ochsner A, Murch GE, Shokuhfar A, eds. *Diffusion in Solids and Liquids Iv* 2009:214-+.
 454. Kumar MR, Ghosh S, Das S. Charge-discharge energy efficiency analysis of ultracapacitor with fractional-order dynamics using hybrid optimization and its experimental validation. *Aeu-International Journal of Electronics and Communications* 2017;78:274-80.
 455. Kumar R, Gupta V. Uniqueness, reciprocity theorem, and plane waves in thermoelastic diffusion with a fractional order derivative. *Chinese Physics B* 2013;22(7)
 456. Kundra P, Upreti SR, Lohi A, Wu J. Experimental Determination of Composition-Dependent Diffusivity of Carbon Dioxide in Polypropylene. *J Chem Eng Data* 2011;56(1):21-26.
 457. Kundu B, Lee K-S. Effects of psychrometric properties on fin performances of minimum envelope shape of wet fins. *Energy Conversion and Management* 2016;110:481-93.

458. Kurovskaya LY, Lysenko VN. Effect of Temperature Growth on Lysozyme and Protein Content in Several Freshwater Fishes, Infested and Not-infested by Ectoparasites. *Hydrobiological Journal* 2014;50(6):78-86.
459. Kuwabara M, Hisatome I, Roncal-Jimenez CA, Niwa K, Andres-Hernando A, Jensen T, et al. Increased Serum Sodium and Serum Osmolarity Are Independent Risk Factors for Developing Chronic Kidney Disease; 5 Year Cohort Study. *PLoS One* 2017;12(1)
460. Larcher L, Lefevre G, Bailleul S, Daudon M, Frochot V. Importance of pre-analytical for urinalysis with urinary crystals. *Ann Biol Clin (Paris)* 2017;75(5):525-30.
461. Larcher L, Lefevre G, Bailleul S, Daudon M, Frochot V. Importance of pre-analytical for urinalysis with urinary crystals. *Ann Biol Clin (Paris)* 2017;75(5):525-30.
462. Larios A, Lunasin E, Titi ES. Global well-posedness for the 2D Boussinesq system with anisotropic viscosity and without heat diffusion. *Journal of Differential Equations* 2013;255(9):2636-54.
463. Lee S, Kim MS, Kim JH, Kwon JK, Chi BH, Kim JW, et al. Daily Mean Temperature Affects Urolithiasis Presentation in Seoul: a Time-series Analysis. *J Korean Med Sci* 2016;31(5):750-6.
464. Lee S, Kim M-s, Kim JH, Kwon JK, Chi BH, Kim JW, et al. Daily Mean Temperature Affects Urolithiasis Presentation in Seoul: A Time-series Analysis. *J Korean Med Sci* 2016;31(5):750-56.
465. Lee SJ, Lee JM, Kim YG, Yoon SD, Yun JW. Thermal cycle development of PMMA pore former removal for honeycomb-type SOFC supports. *Ceramics International* 2014;40(3):4879-87.
466. Lee WS, Kim WS, Lim YH, Hong YC. High Temperatures and Kidney Disease Morbidity: A Systematic Review and Meta-analysis. *J Prev Med Public Health* 2019;52(1):1-13.
467. LeGeros RZ, Bleiwas CB, Retino M, Rohanizadeh R, LeGeros JP. Zinc effect on the in vitro formation of calcium phosphates: relevance to clinical inhibition of calculus formation. *Am J Dent* 1999;12(2):65-71.
468. LeGeros RZ, Morales P. Renal stone crystals grown in gel systems. A preliminary report. *Invest Urol* 1973;11(1):12-20.
469. Lensvelt MM, Ivarsson ML, Brokelman WJ, Falk P, Reijnen MM. Decreased peritoneal expression of active transforming growth factor ss1 during laparoscopic cholecystectomy with heated carbon dioxide. *Arch Surg* 2010;145(10):968-72.
470. Leskovaar P. [Analysis of citric acid and citrates. Citric acid and urolithiasis]. *Z Urol Nephrol* 1979;72(8):563-70.
471. Li C, Guo H, Tian X. A size-dependent generalized thermoelastic diffusion theory and its application. *Journal of Thermal Stresses* 2017;40(5):603-26.
472. Li C, Guo H, Tian X, He T. Generalized thermoviscoelastic analysis with fractional order strain in a thick viscoelastic plate of infinite extent. *Journal of Thermal Stresses* 2019;42(8):1051-70.
473. Li C, Wang J, Hao J, Dong B, Li Y, Zhu X, et al. Reduced cytosolic carboxypeptidase 6 (CCP6) level leads to accumulation of serum polyglutamylated DNAJC7 protein: A potential biomarker for renal cell carcinoma early detection. *Oncotarget* 2016;7(16):22385-96.
474. Li G, Han J, Wang X, Zhao Y, Luo YR. Determination of Uric Acid in Dried Blood Spot Using Liquid Chromatography-Tandem Mass Spectrometry. *Journal of Chinese Mass Spectrometry Society* 2018;39(2):250-56.
475. Li H, Liu Y, Zhang Q, Zhan H. Determination of the oxalate content in food by headspace gas chromatography. *Analytical Methods* 2014;6(11):3720-23.

-
476. Li J, Xu S, Kong S. HEAT TRANSFER CHARACTERISTICS OF THE MULTITHREADED HELICALLY COILED TUBE GENERATOR USED IN THE ABSORPTION-COMPRESSION HYBRID REFRIGERATION CYCLE. *Heat Transfer Research* 2015;46(3):195-211.
 477. Li Q, Yuan X, Neveu P, Flamant G, Luo L. A novel optimization approach to convective heat transfer enhancement for solar receiver. *Chem Eng Sci* 2014;116:806-16.
 478. Li SL, Chen SP, Yang BB, Wu LK, Tai CS, Liu YM, et al. A follow-up study on dietary factors of kidney stones in Bao'an district, Shenzhen City. *Journal of Sichuan University (Medical Science Edition)* 2004;35(5):704-07.
 479. Li X, Xue Z, Tian X. A modified fractional order generalized bio-thermoelastic theory with temperature-dependent thermal material properties. *International Journal of Thermal Sciences* 2018;132:249-56.
 480. Li Y, Huang Y, Yan X. Performance Analysis of Irreversible Reciprocating Brayton Cycle with Variable Specific Heat of Working Fluid. *Journal of Donghua University Natural Science Edition* 2012;38(3):327-31.
 481. Li Y, Huang Y, Yan X. The Effects of variable specific heats of working fluid on the Performance of Irreversible Reciprocating Brayton Cycle. In: Zhang H, Fu Y, Tang Z, eds. *Progress in Power and Electrical Engineering*, Pts 1 and 2 2012:1305-10.
 482. Li Z, Fan X. Establishment and Analysis of Heat Transfer Model of Friction Stir Welded Wheel Rim for Cars Based on the Moving Coordinate System. *Special Casting & Nonferrous Alloys* 2016;36(1):16-19.
 483. Li Z, Sun D, Yan B, Sun B, Zhang W. Fractional order model of viscoelastic suspension for crawler vehicle and its vibration suppression analysis. *Transactions of the Chinese Society of Agricultural Engineering* 2015;31(7):72-79.
 484. Liang L, Song H, Guo Q. Research on rigid-elastic coupling dynamics using Lagrange equation. *Journal of Harbin Engineering University* 2015;36(4):456-60.
 485. Libardi J, Ravagnani SP, Morais AMF, Cardoso AR. Study of plasticizer diffusion in a solid rocket motor's bondline. *Journal of Aerospace Technology and Management* 2009;1(2):223-29.
 486. Lim Y-H, So R, Lee C, Hong Y-C, Park M, Kim L, et al. Ambient temperature and hospital admissions for acute kidney injury: A time-series analysis. *Sci Total Environ* 2018;616:1134-38.
 487. Lin KJ, Lin PH, Chu SH, Chen HW, Wang TM, Chiang YJ, et al. The impact of climate factors on the prevalence of urolithiasis in Northern Taiwan. *Biomed J* 2014;37(1):24-30.
 488. Lin K-J, Lin P-H, Chu S-H, Chen H-W, Wang T-M, Chiang Y-J, et al. The impact of climate factors on the prevalence of urolithiasis in Northern Taiwan. *Biomedical journal* 2014;37(1):24-30.
 489. Lin T, Kawamura R, Aoki A, Ichinose S, Mizutani K, Taniguchi Y, et al. Energy output reduction and surface alteration of quartz tips following Er:YAG laser contact irradiation on soft and hard tissues in vitro. *Dent Mater J* 2016;35(1):51-62.
 490. Liptay G, Berentyi M. [Study of urinary calculi using a new analytic procedure]. *Z Klin Chem Klin Biochem* 1967;5(4):188-90.
 491. Liu C-M, Hsu C-T, Liu T-L, Huang N, Chou P, Chou Y-J. The Correlation between Cholecystectomy and Seasonal Impact in Taiwan. *Chin J Physiol* 2014;57(1):48-56.
 492. Liu R, Liu W-b, Wu X-l, Yan S-w. Global lateral buckling analysis of idealized subsea pipelines. *Journal of Central South University* 2014;21(1):416-27.
 493. Report on research of calculus fragmentation by HIFU-induced cavitation in Tsinghua University: 2. Thermal effects. *IOP Conference Series: Earth and Environmental Science*; 2012.

494. Liu Y. Modular curvature for toric noncommutative manifolds. *Journal of Noncommutative Geometry* 2018;12(2):511-75.
495. Ljunghall S, Fellstrom B, Johansson G. Prevention of renal stones by a high fluid intake? *Eur Urol* 1988;14(5):381-85.
496. Lloyd SN, Kirk D, Deane RF, Kyle KF. Effect of percutaneous nephrolithotomy on thermoregulation. *Br J Urol* 1992;69(2):132-6.
497. Lo SS, Johnston R, Al Sameraai A, Metcalf PA, Rice ML, Masters JG. Seasonal variation in the acute presentation of urinary calculi over 8 years in Auckland, New Zealand. *BJU Int* 2010;106(1):96-101.
498. Lo SS, Johnston R, Al Sameraai A, Metcalf PA, Rice ML, Masters JG. Seasonal variation in the acute presentation of urinary calculi over 8 years in Auckland, New Zealand. *BJU Int* 2010;106(1):96-101.
499. Lucia U. Entropy generation: From outside to inside! *Chem Phys Lett* 2013;583:209-12.
500. Lujan M, Sanchez MT, Turo J, Pascual C, Chiva V, Martin C, et al. [Climate and epidemiological characteristics of renal colic attendances in an urban setting in Spain]. *Actas Urol Esp* 2011;35(8):481-6.
501. Lujan M, Sanchez MT, Turo J, Pascual C, Chiva V, Martin C, et al. Climate and Epidemiological Characteristics of Renal Colic Attendances in an Urban Setting in Spain. *Actas Urol Esp* 2011;35(8):481-86.
502. Lumerman JH, Hom D, Eiley D, Smith AD. Heightened suspicion and rapid evaluation with CT for early diagnosis of partial renal infarction. *J Endourol* 1999;13(3):209-14.
503. Lumerman JH, Hom D, Eiley D, Smith AD. Heightened suspicion and rapid evaluation with CT for early diagnosis of partial renal infarction. *J Endourol* 1999;13(3):209-14.
504. Lumerman JH, Hom D, Eiley D, Smith AD. Heightened suspicion and rapid evaluation with CT for early diagnosis of partial renal infarction. *J Endourol* 1999;13(3):209-14.
505. Luo H, Turner LR, Hurst C, Mai H, Zhang Y, Tong S. Exposure to ambient heat and urolithiasis among outdoor workers in Guangzhou, China. *Sci Total Environ* 2014;472:1130-6.
506. Luo H, Turner LR, Hurst C, Mai H, Zhang Y, Tong S. Exposure to ambient heat and urolithiasis among outdoor workers in Guangzhou, China. *Sci Total Environ* 2014;472:1130-36.
507. Maachou A, Malti R, Melchior P, Battaglia J-L, Hay B. Thermal system identification using fractional models for high temperature levels around different operating points. *Nonlinear Dynamics* 2012;70(2):941-50.
508. Maachou A, Malti R, Melchior P, Battaglia J-L, Oustaloup A, Hay B. Nonlinear thermal system identification using fractional Volterra series. *Control Engineering Practice* 2014;29:50-60.
509. Maan Z, Patel D, Moraitis K, El-Husseiny T, Papatsoris AG, Buchholz NP, et al. Comparison of stent-related symptoms between conventional Double-J stents and a new-generation thermoexpandable segmental metallic stent: a validated-questionnaire-based study. *J Endourol* 2010;24(4):589-93.
510. Mabie CP, Wallace BM. Optical, physical and chemical properties of pineal gland calcifications. *Calcif Tissue Res* 1974;16(1):59-71.
511. Machado A, García N, Huertas J, García C, Ferrer N, León R, et al. *Revista Técnica de la Facultad de Ingeniería Universidad del Zulia* 2004;27(3):202-09.
512. Madhurambal G, Prabha N, Ponsadi Lakshmi S. Epidemiology of urinary stones. *Research Journal of Pharmaceutical, Biological and Chemical Sciences* 2012;3(4):837-46.

-
513. Epidemiology of urinary stones. IEEE-International Conference on Advances in Engineering, Science and Management, ICAESM-2012; 2012.
 514. Mahamat MA, Ngaringuem O, Abakar ADM-N, Jalloh M, Hamat I, Niang L, et al. Lithiasis of the lower urinary tract: diagnosis and therapeutic aspects at the Hopital de la mere et de l'enfant of N'Djamena (Chad). *African Journal of Urology* 2017;23(4):295-99.
 515. Mahmoud GM, Farghaly AAM, Shoreh AAH. A Technique for Studying a Class of Fractional-Order Nonlinear Dynamical Systems. *International Journal of Bifurcation and Chaos* 2017;27(9)
 516. Mahmudov NI. FINITE-APPROXIMATE CONTROLLABILITY OF FRACTIONAL EVOLUTION EQUATIONS: VARIATIONAL APPROACH. *Fractional Calculus and Applied Analysis* 2018;21(4):919-36.
 517. Majumder J, Bagepally BS, Shah P, Kotadiya S, Yadav S, Naha N. Comparison of workers' perceptions toward work climate and health symptoms between ceramic and iron foundry workers. *Indian J Occup Environ Med* 2016;20(1):48-53.
 518. Majumder J, Bagepally BS, Shah P, Kotadiya S, Yadav S, Naha N. Comparison of workers' perceptions toward work climate and health symptoms between ceramic and iron foundry workers. *Indian J Occup Environ Med* 2016;20(1):48-53.
 519. Majumder J, Bagepally BS, Shah P, Kotadiya S, Yadav S, Naha N. Comparison of workers' perceptions toward work climate and health symptoms between ceramic and iron foundry workers. *Indian J Occup Environ Med* 2016;20(1):48-53.
 520. Malig BJ, Wu XM, Guirguis K, Gershunov A, Basu R. Associations between ambient temperature and hepatobiliary and renal hospitalizations in California, 1999 to 2009. *Environ Res* 2019;177:108566.
 521. Malig BJ, Wu XM, Guirguis K, Gershunov A, Basu R. Associations between ambient temperature and hepatobiliary and renal hospitalizations in California, 1999 to 2009. *Environ Res* 2019;177:108566-66.
 522. Malig BJ, Wu XM, Guirguis K, Gershunov A, Basu R. Associations between ambient temperature and hepatobiliary and renal hospitalizations in California, 1999 to 2009. *Environ Res* 2019;177
 523. Maqbool K, Beg OA, Sohail A, Idrees S. Analytical solutions for wall slip effects on magnetohydrodynamic oscillatory rotating plate and channel flows in porous media using a fractional Burgers viscoelastic model. *European Physical Journal Plus* 2016;131(5)
 524. Marc P, Jaroszewicz LR, Kostrzynski T. Estimation of the indication error in the fiber-optic polarisation analyzers. In: Romaniuk RS, ed. *Photonics Applications in Astronomy, Communications, Industry, and High-Energy Physics Experiments Ii2004*:410-16.
 525. Marsh H. Disease Problems in Range Livestock. *Can J Comp Med Vet Sci* 1952;16(3):89-96.
 526. Marshall V, Blandy J. Simple renal hypothermia. *Br J Urol* 1974;46(3):253-6.
 527. Martinez E, Leguizamon M, Mallolas J, Miro JM, Gatell JM. Influence of environmental temperature on incidence of indinavir-related nephrolithiasis. *Clin Infect Dis* 1999;29(2):422-5.
 528. Martins TD, Klassen T, Sehn Canevesi RL, Barella RA, Cardozo Filho L, da Silva EA. Modeling the water uptake by chicken carcasses during cooling by immersion. *Ciencia E Tecnologia De Alimentos* 2011;31(3):571-76.
 529. Martinschek A, Sparwasser C. Emergencies in Urology - Ureter Colic. *Notarzt* 2014;30(6):267-76.
 530. Martinschek A, Sparwasser C. Emergencies in urology - Ureter colic. *Notarzt* 2014;30(6):267-76.

-
531. Martov AG, Diamant VM, Borisik AV, Andronov AS, Dzhililov DA. COMPARATIVE EVALUATION OF EFFICACY OF ELECTROPULSE AND LASER LITHOTRIPTORS IN VITRO. *Urologiya (Moscow)* 2013(2):70-72,74-78.
 532. Marya RK, Sood S, Lal H, Sharma A, Saini AS. Effect of acute environmental heat stress on urinary water and electrolyte excretion in the rat. *Indian J Physiol Pharmacol* 1988;32(2):126-31.
 533. Mateescu R, Poizat P, Salauen G. Adaptation of Service Protocols Using Process Algebra and On-the-Fly Reduction Techniques. *Ieee Transactions on Software Engineering* 2012;38(4):755-77.
 534. Matula TJ, Hilmo PR, Bailey MR, Crum LA. In vitro sonoluminescence and sonochemistry studies with an electrohydraulic shock-wave lithotripter. *Ultrasound Med Biol* 2002;28(9):1199-207.
 535. Maughan RJ. Hydration, morbidity, and mortality in vulnerable populations. *Nutr Rev* 2012;70 Suppl 2:S152-5.
 536. Maughan RJ. Hydration, morbidity, and mortality in vulnerable populations. *Nutr Rev* 2012;70:S152-S55.
 537. Meltzer DE. Investigation of students' reasoning regarding heat, work, and the first law of thermodynamics in an introductory calculus-based general physics course. *American Journal of Physics* 2004;72(11):1432-46.
 538. Memet F, Preda A. A point of view on Otto cycle approach specific for an undergraduate thermodynamics course in CMU. In: Oanta E, Comaneci R, Carausu C, et al., eds. *Modern Technologies in Industrial Engineering* 2015.
 539. Meng JA, Liang XG, Li ZX. Field synergy optimization and enhanced heat transfer by multi-longitudinal vortexes flow in tube. *International Journal of Heat and Mass Transfer* 2005;48(16):3331-37.
 540. Menon VJ, Agrawal DC. Infinitesimal Carnot cycle and Maxwell's first relation. *European Journal of Physics* 2006;27(6):1385-90.
 541. Mercier S, Molinari A. Steady-state smear band propagation under dynamic conditions. *Journal of the Mechanics and Physics of Solids* 1998;46(8):1463-95.
 542. Micol A, Zeanh A, Lhommeau T, Azzopardi S, Woigard E, Dalverny O, et al. An investigation into the reliability of power modules considering baseplate solders thermal fatigue in aeronautical applications. *Microelectronics Reliability* 2009;49(9-11):1370-74.
 543. Mihai IC. Heat transfer in Minichannels and Microchannels CPU cooling systems. In: Schiopu P, Panait C, Caruntu G, et al., eds. *Advanced Topics in Optoelectronics, Microelectronics, and Nanotechnologies Iv* 2009.
 544. Mihut G, Popa E, Iop. Simulation of the bimetal cast in the case of milling rolls. *International Conference on Applied Sciences* 2014 2015.
 545. Milani MI, Rossini EL, Pezza L, Pezza HR. Development of a new clean methodology with ultrasound-assisted extraction for analysis of sodium in pet foods. *Analytical Methods* 2015;7(6):2433-36.
 546. Mimkes J. Stokes integral of economic growth Calculus and the Solow model. *Physica a-Statistical Mechanics and Its Applications* 2010;389(8):1665-76.
 547. Mirabile G, Phillips CK, Edelstein A, Romano A, Okhunov ZN, Hruby GW, et al. Evaluation of a novel temperature-sensitive polymer for temporary ureteral occlusion. *J Endourol* 2008;22(10):2357-9.
 548. Mishra KC, Sharma JN, Sharma PK. Analysis of vibrations in a nonhomogeneous thermoelastic thin annular disk under dynamic pressure. *Mechanics Based Design of Structures and Machines* 2017;45(2):207-18.

549. Mobley JM, Vemana G, Strother M, Figenshau RS, Vetter JM, Larson J, et al. In vivo evaluation of a reverse thermosensitive polymer for ureteroscopy with laser lithotripsy: porcine model. *J Endourol* 2014;28(5):554-9.
550. Mohammadzadeh Rezaei MA, Akhavan Rezayat A, Tavakoli M, Jarahi L. Evaluation the result of warm normal saline irrigation in ureteral endoscopic surgeries. *Urol J* 2018;15(3):83-86.
551. Molina WR, Silva IN, Donalisio da Silva R, Gustafson D, Seht D, Kim FJ. Influence of saline on temperature profile of laser lithotripsy activation. *J Endourol* 2015;29(2):235-9.
552. Moon W, Wettlaufer JS. On the nature of the sea ice albedo feedback in simple models. *Journal of Geophysical Research-Oceans* 2014;119(8):5555-62.
553. Moon W, Wettlaufer JS. A Stochastic Dynamical Model of Arctic Sea Ice. *Journal of Climate* 2017;30(13):5119-40.
554. Moopanar TR, Allen DG. The activity-induced reduction of myofibrillar Ca^{2+} sensitivity in mouse skeletal muscle is reversed by dithiothreitol. *J Physiol* 2006;571(Pt 1):191-200.
555. Moore EW, Verine HJ. Pathogenesis of pancreatic and biliary CaCO_3 lithiasis: the solubility product (K_{sp}) of calcite determined with the Ca^{++} electrode. *J Lab Clin Med* 1985;106(6):611-8.
556. Mordon S. [Laser-tissue interactions in urology]. *Ann Urol (Paris)* 1997;31(1):11-8.
557. Moreira RAS, Corte-Real JD, Dias Rodrigues J. A generalized frequency-temperature viscoelastic model. *Shock and Vibration* 2010;17(4-5):407-18.
558. Motta EVS, Sampaio BL, Costa JC, Teixeira SP, Bastos JK. Quantitative analysis of phenolic metabolites in *Copaifera langsdorffii* leaves from plants of different geographic origins cultivated under the same environmental conditions. *Phytochemical Analysis* 2019;30(3):364-72.
559. Mullen P, Memari P, de Goes F, Desbrun M. HOT: Hodge-Optimized Triangulations. *Acm Transactions on Graphics* 2011;30(4)
560. Munakata K, Ikeda K, Suda H. A new diagnostic method of the urolithiasis syndrome of cattle. *Natl Inst Anim Health Q (Tokyo)* 1974;14(2):89-96.
561. Muraca D, Moya J, Cremaschi VJ, Sirkin HRM. Amorphous and nanocrystalline fraction calculus for the $\text{Fe}_{73.5}\text{Si}_{3.5}\text{Ge}_{10}\text{Nb}_{3}\text{B}_9\text{Cu}_1$ alloy. *Physica B-Condensed Matter* 2007;398(2):325-28.
562. Muraca D, Silveyra J, Pagnola M, Cremaschi V. Nanocrystals magnetic contribution to FINEMET-type soft magnetic materials with Ge addition. *Journal of Magnetism and Magnetic Materials* 2009;321(21):3640-45.
563. Murariu AC, Safta VI, Fleser T. Investigations regarding the thermoplastic resistance evaluation with simulated imperfections. In: Marsavina L, ed. *Advances in Strength of Materials* 2009:131-38.
564. Murphy GP, Sharp JC. THE EFFECTS OF RADIATION AND COLD IMMERSION UPON EXPERIMENTAL UROLITHIASIS, RENAL FUNCTION, AND MORPHOLOGY. *Invest Urol* 1963;1:282-97.
565. Musil CF, Schmiedel U, Midgley GF. Lethal effects of experimental warming approximating a future climate scenario on southern African quartz-field succulents: a pilot study. *New Phytologist* 2005;165(2):539-47.
566. Nahla AA, Hemeda AA. Picard iteration and Pade approximations for stiff fractional point kinetics equations. *Applied Mathematics and Computation* 2017;293:72-80.
567. Nakra BC. Vibration control in machines and structures using viscoelastic damping. *Journal of Sound and Vibration* 1998;211(3):449-65.
568. Nalbandyan VB. X-ray diffraction analysis of urinary calculi: need for heat treatment. *Urol Res* 2008;36(5):247-9.

569. Narasimhulu KV, Gopal NO, Rao JL, Vijayalakshmi N, Natarajan S, Surendran R, et al. Structural studies of the biomineralized species of calcified pancreatic stones in patients suffering from chronic pancreatitis. *Biophys Chem* 2005;114(2-3):137-47.
570. Nerbass FB, Pecoits-Filho R. Can your work affect your kidney's health? *Rev Environ Health* 2019
571. Nerbass FB, Pecoits-Filho R, Clark WF, Sontrop JM, McIntyre CW, Moist L. Occupational Heat Stress and Kidney Health: From Farms to Factories. *Kidney International Reports* 2017;2(6):998-1008.
572. Ng RH, Menon M, Ladenson JH. Collection and handling of 24-hour urine specimens for measurement of analytes related to renal calculi. *Clin Chem* 1984;30(3):467-71.
573. Nilwarangkur S, Malasit P, Nimmannit S, Susaengrat W, Ong-Aj-Yooth S, Vasuvattakul S, et al. Urinary constituents in an endemic area of stones and renal tubular acidosis in northeastern Thailand. *The Southeast Asian journal of tropical medicine and public health* 1990;21(3):437-41.
574. Nixon E, Holland-Crimmin S, Lupotsky B, Chan J, Curtis J, Dobbs K, et al. Applications of adaptive focused acoustics to compound management. *J Biomol Screen* 2009;14(5):460-7.
575. Nixon E, Holland-Crimmin S, Lupotsky B, Chan J, Curtis J, Dobbs K, et al. Applications of Adaptive Focused Acoustics to Compound Management. *Journal of Biomolecular Screening* 2009;14(5):460-67.
576. Norris RW, Colvin BT, Kenwright MG, Flynn JT, Blandy JP. In vitro studies on optimum preparation of coagulum for surgery of renal calculi. *Br J Urol* 1981;53(6):516-9.
577. Nouri-Majalan N, Baghianimoghadam B, Amiri N, Moghaddasi-Moosavi S. Metabolic abnormalities in patients with recurrent stone formation in a hot territory. *Bratisl Lek Listy* 2010;111(2):79-82.
578. Nouri-Majalan N, Baghianimoghadam B, Amiri N, Moghaddasi-Moosavi S. Metabolic abnormalities in patients with recurrent stone formation in a hot territory. *Bratislava Medical Journal- Bratislavske Lekarske Listy* 2010;111(2):79-82.
579. Nouri-Majalan N, Baghianimoghadam B, Amiri N, Moghaddasi-Moosavi S. Metabolic abnormalities in patients with recurrent stone formation in a hot territory. *Bratislava Medical Journal* 2010;111(2):79-82.
580. Novotny AA, Feijoo RA, Taroco E, Padra C. Topological sensitivity analysis. *Computer Methods in Applied Mechanics and Engineering* 2003;192(7-8):803-29.
581. Oata M, Pak CY. The effect of diphosphonate on calcium phosphate crystallization in urine in vitro. *Kidney Int* 1973;4(6):401-6.
582. Obidike IC, Salawu OA, Ndukuba M, Okoli CO, Osunkwo UA. The anti-inflammatory and antinociceptive properties of the chloroform fraction from *Phyllanthus niruri* plant is mediated via the peripheral nervous system. *J Diet Suppl* 2010;7(4):341-50.
583. Ojo SO, Paggi M. A thermo-visco-elastic shear-lag model for the prediction of residual stresses in photovoltaic modules after lamination. *Composite Structures* 2016;136:481-92.
584. Oki F, Saito T, Watanabe H. A fluid dynamical theory of microexplosion for medicine and biology. *Tohoku J Exp Med* 1981;133(1):93-104.
585. Olienick Filho EG, Lopes EMO, Bavastri CA. Integrated Dynamic Characterization of Thermorheologically Simple Viscoelastic Materials Accounting for Frequency, Temperature, and Preload Effects. *Materials* 2019;12(12)

586. Oliver-Ortega H, Llop MF, Espinach FX, Tarres Q, Ardanuy M, Mutje P. Study of the flexural modulus of lignocellulosic fibers reinforced bio-based polyamide11 green composites. *Composites Part B-Engineering* 2018;152:126-32.
587. Olson ME. Moringa frequently asked questions. In: Ebert AW, Palada MC, eds. *I International Symposium on Moringa* 2017:19-32.
588. Ordon M, Welk B, Li Q, Wang J, Lavigne E, Yagouti A, et al. Ambient Temperature and the Risk of Renal Colic: A Population-Based Study of the Impact of Demographics and Comorbidity. *J Endourol* 2016;30(10):1138-43.
589. Oweis GF, Dunmire BL, Cunitz BW, Bailey MR. Non-invasive measurement of the temperature rise in tissue surrounding a kidney stone subjected to ultrasonic propulsion. *Conf Proc IEEE Eng Med Biol Soc* 2015;2015:2576-9.
590. Pachauri N, Singh V, Rani A. Two Degrees-of-Freedom Fractional-Order Proportional-Integral-Derivative-Based Temperature Control of Fermentation Process. *Journal of Dynamic Systems Measurement and Control-Transactions of the Asme* 2018;140(7)
591. Paggi M, Sapora A. An Accurate Thermoviscoelastic Rheological Model for Ethylene Vinyl Acetate Based on Fractional Calculus. *International Journal of Photoenergy* 2015
592. Pakdemirli M. The drag work minimization path for a flying object with altitude-dependent drag parameters. *Proceedings of the Institution of Mechanical Engineers Part C-Journal of Mechanical Engineering Science* 2009;223(5):1113-16.
593. Paonessa JE, Williams JC, Jr., Lingeman JE. Addition of Sodium Bicarbonate to Irrigation Solution May Assist in Dissolution of Uric Acid Fragments During Ureteroscopy. *J Endourol* 2018;32(4):305-08.
594. Papatsoris AG, Buchholz N. A novel thermo-expandable ureteral metal stent for the minimally invasive management of ureteral strictures. *J Endourol* 2010;24(3):487-91.
595. Park HK, Bae SR, Kim SE, Choi WS, Paick SH, Ho K, et al. The effect of climate variability on urinary stone attacks: increased incidence associated with temperature over 18 degrees C: a population-based study. *Urolithiasis* 2015;43(1):89-94.
596. Park HK, Bae SR, Kim SE, Choi WS, Paick SH, Ho K, et al. Erratum to: The effect of climate variability on urinary stone attacks: increased incidence associated with temperature over 18 degrees C: a population-based study. *Urolithiasis* 2015;43(1):95.
597. Park HK, Bae SR, Kim SE, Choi WS, Paick SH, Ho K, et al. The effect of climate variability on urinary stone attacks: increased incidence associated with temperature over 18 A degrees C: a population-based study. *Urolithiasis* 2015;43(1):89-94.
598. Park HK, Bae SR, Kim SE, Choi WS, Paick SH, Ho K, et al. The effect of climate variability on urinary stone attacks: increased incidence associated with temperature over 18 degrees C: a population-based study (vol 43, pg 89, 2015). *Urolithiasis* 2015;43(1):95-95.
599. Parry ES, Lister IS. Sunlight and hypercalciuria. *Lancet* 1975;1(7915):1063-5.
600. Parry ES, Lister IS. Sunlight and hypercalciuria. *Lancet (London, England)* 1975;1(7915):1063-5.
601. Paunio I. Phase change of calcium and phosphate ions in supersaturated solutions with special reference to nucleability of parotid saliva. *Suom Hammaslaak Toim* 1967;63(2):70-107.
602. Pavlovski G, Pope ECD. Stochastic heating of cooling flows. *Monthly Notices of the Royal Astronomical Society* 2009;399(4):2195-200.

-
603. Pedro HTC, Kobayashi MH, Pereira JMC, Coimbra CFM. Variable order modeling of diffusive-convective effects on the oscillatory flow past a sphere. *Journal of Vibration and Control* 2008;14(9-10):1659-72.
 604. Pejovic BB, Micic VM, Perusic MD, Tadic GS, Vasiljevic LC, Smiljanic SN. PROPOSAL FOR DETERMINING CHANGES IN ENTROPY OF SEMI IDEAL GAS USING MEAN VALUES OF TEMPERATURE FUNCTIONS. *Hemijaska Industrija* 2014;68(5):615-28.
 605. Pelegrine DHG, Gasparetto CA. A comparative study between ovalbumin and beta-lactoglobulin fouling in a tube hot surface. *Journal of Food Engineering* 2006;73(4):394-401.
 606. Peng X, Niakhai K, Protas B. A METHOD FOR GEOMETRY OPTIMIZATION IN A SIMPLE MODEL OF TWO-DIMENSIONAL HEAT TRANSFER. *Siam Journal on Scientific Computing* 2013;35(5):B1105-B31.
 607. Penland C, Navarra A. Issues in stochastic ocean modeling. *J Mar Res* 2017;75(6):815-37.
 608. Perez JA, Palmes Mde L, Ferrer JF, Urdangarain OO, Nunez AB. Renal colic at emergency departments. Epidemiologic, diagnostic and etiopathogenic study. *Arch Esp Urol* 2010;63(3):173-87.
 609. Perinet G, Verine H, Lafont R, Haladjian J. [Thermal study of human and bovine pancreatic calculi]. *C R Acad Sci Hebd Seances Acad Sci D* 1972;274(24):3303-5.
 610. Perk OY, Sesen M, Gozuacik D, Kosar A. Kidney Stone Erosion by Micro Scale Hydrodynamic Cavitation and Consequent Kidney Stone Treatment. *Ann Biomed Eng* 2012;40(9):1895-902.
 611. Petrescu MG, Nae I. Modern Techniques in the Direction of the Global Heat Treatments Applied to Largest Devices. *Revista De Chimie* 2008;59(11):1281-84.
 612. Petrilean DC, Stanila S, Dosa I. A MATHEMATICAL MODEL FOR DETERMINING THE DIMENSIONLESS HEAT FLUX WITH APPLICATION IN MINE ENVIRONMENT. *Environmental Engineering and Management Journal* 2017;16(6):1331-40.
 613. Picard J. Stochastic calculus and martingales on trees. *Annales De L Institut Henri Poincare-Probabilites Et Statistiques* 2005;41(4):631-83.
 614. Piccolo A. Numerical Study of Entropy Generation Within Thermoacoustic Heat Exchangers with Plane Fins. *Entropy* 2015;17(12):8228-39.
 615. Piccolo A, Cannistraro G. Convective heat transport along a thermoacoustic couple in the transient regime. *International Journal of Thermal Sciences* 2002;41(11):1067-75.
 616. Pincus S, Macbean C, Taylor D. The effects of temperature, age and sex on presentations of renal colic in Melbourne, Australia. *Eur J Emerg Med* 2010;17(6):328-31.
 617. Pincus S, MacBean C, Taylor D. The effects of temperature, age and sex on presentations of renal colic in Melbourne, Australia. *Eur J Emerg Med* 2010;17(6):328-31.
 618. Pincus S, MacBean C, Taylor D. The effects of temperature, age and sex on presentations of renal colic in Melbourne, Australia. *Eur J Emerg Med* 2010;17(6):328-31.
 619. Pintaude G, Hoechele AR, Cipriano GL. Relation between strain hardening exponent of metals and residual profiles of deep spherical indentation. *Materials Science and Technology* 2012;28(9-10):1051-54.
 620. Pishchalnikov YA, McAteer JA, Pishchalnikova IV, Williams JC, Jr., Bailey MR, Sapozhnikov OA. Bubble proliferation in shock wave lithotripsy occurs during inertial collapse. In: Enflo BO, Hedberg CM, Kari L, eds. *Nonlinear Acoustics Fundamentals and Applications* 2008:460-+.
 621. Posen S, Neale FC, Clubb JS. HEAT INACTIVATION IN THE STUDY OF HUMAN ALKALINE PHOSPHATASES. *Ann Intern Med* 1965;62:1234-43.

-
622. Poston DL, Jr., Zhang L, Gotcher DJ, Gu Y. The effect of climate on migration: United States, 1995-2000. *Soc Sci Res* 2009;38(3):743-53.
 623. Power RC, Salazar-Garcia DC, Rubini M, Darlas A, Harvati K, Walker M, et al. Dental calculus indicates widespread plant use within the stable Neanderthal dietary niche. *J Hum Evol* 2018;119:27-41.
 624. Prince CL, Scardino PL, Wolan CT. The effect of temperature, humidity and dehydration on the formation of renal calculi. *J Urol* 1956;75(2):209-15.
 625. Puerta J, Cereceda C. New calculation of the electrical microfield distribution in plasma. *Astrophysics and Space Science* 1998;256(1-2):349-53.
 626. Radlett PJ, Telling RC, Stone CJ, Whiteside JP. Improvements in the growth of BHK-21 cells in submerged culture. *Appl Microbiol* 1971;22(4):534-7.
 627. Ramirez M, Angel Moreles M. On the Finite Increment Calculus method for stabilizing advection-diffusion equations, analysis and computation of the stabilization parameter. *International Journal for Numerical Methods in Fluids* 2012;70(3):383-402.
 628. Rane A, Bradoo A, Rao P, Shivde S, Elhilali M, Anidjar M, et al. The use of a novel reverse thermosensitive polymer to prevent ureteral stone retropulsion during intracorporeal lithotripsy: a randomized, controlled trial. *J Urol* 2010;183(4):1417-21.
 629. Rao SS, Tian J. Fuzzy Mesh less Local Petrov-Galerkin Method for Analysis of Imprecisely Defined Systems. *Aiaa Journal* 2013;51(6):1320-32.
 630. Rapoport J. The importance of drinking. *Isr J Med Sci* 1993;29(2-3):109-10.
 631. Raslan WE. Application of fractional order theory of thermoelasticity to a 1D problem for a cylindrical cavity. *Archives of Mechanics* 2014;66(4):257-67.
 632. Raslan WE. APPLICATION OF FRACTIONAL ORDER THEORY OF THERMOELASTICITY IN A THICK PLATE UNDER AXISYMMETRIC TEMPERATURE DISTRIBUTION. *Journal of Thermal Stresses* 2015;38(7):733-43.
 633. Raslan WE. APPLICATION OF FRACTIONAL ORDER THEORY OF THERMOELASTICITY TO A 1D PROBLEM FOR A SPHERICAL SHELL. *Journal of Theoretical and Applied Mechanics* 2016;54(1):295-304.
 634. Rastelli VH, Montbrun-Di Filippo J, Montbrun N, Rastelli V, Sánchez Y. Automatización del diseño de silenciadores reactivos. Evaluación de desempeño: Parte I. *Revista de la Facultad de Ingeniería Universidad Central de Venezuela* 2008;23(2):95-101.
 635. Raza N, Razzaq A. Effect of Non-Integer Fractional Derivatives on Magneto Hydrodynamic Oldroyd-B Fluid Through Porous Media Over an Oscillating Plate. *Journal of Nanofluids* 2019;8(3):589-95.
 636. Razak NA, Jazlan IA, Shaari AR, Leng LY. Modelling Moisture Sorption Isotherms for Orthosiphon Stamineus Spray-Dried Powder. In: Abdullah M, Rahim S, Saad MNB, et al., eds. *Green Design and Manufacture: Advanced and Emerging Applications* 2018.
 637. Reddy RL, Srinivasan K. Fenugreek seeds reduce atherogenic diet-induced cholesterol gallstone formation in experimental mice. *Can J Physiol Pharmacol* 2009;87(11):933-43.
 638. Reyes-Melo ME, Martinez-Vega JJ, Guerrero-Salazar CA, Ortiz-Mendez U. Modelling of relaxation phenomena in organic dielectric materials. application of differential and integral operators of fractional order. *Journal of Optoelectronics and Advanced Materials* 2004;6(3):1037-43.
 639. Rivera JV. Urinary calculi in Puerto Rico: II. Seasonal incidence. *BOLASOCMEDPR* 1973;65(2):28-31.

640. Rizvi SA, Sultan S, Zafar MN, Ahmed B, Aba Umer S, Naqvi SA. Paediatric urolithiasis in emerging economies. *Int J Surg* 2016;36(Pt D):705-12.
641. Rizvi SAH, Sultan S, Zafar MN, Ahmed B, Aba Umer S, Naqvi SAA. Paediatric urolithiasis in emerging economies. *International Journal of Surgery* 2016;36(PD):705-12.
642. Rizvi SAH, Sultan S, Zafar MN, Ahmed B, Umer SA, Naqvi SAA. Paediatric urolithiasis in emerging economies. *International Journal of Surgery* 2016;36:705-12.
643. Roberson EC. [Accurate determination of weight loss due to heat enables a faster exploration of kidney calculi causes]. *Med Lab (Stuttg)* 1974;27(11):273-6.
644. Robertson WG. Renal stones in the tropics. *Semin Nephrol* 2003;23(1):77-87.
645. Robertson WG. Renal stones in the tropics. *Semin Nephrol* 2003;23(1):77-87.
646. Robertson WG. Renal stones in the tropics. *Semin Nephrol* 2003;23(1):77-87.
647. Robertson WG. Stone formation in the Middle Eastern Gulf States: A review. *Arab J Urol* 2012;10(3):265-72.
648. Robertson WG. Stone formation in the Middle Eastern Gulf States: A review. *Arab journal of urology* 2012;10(3):265-72.
649. Robertson WG, Peacock M, Marshall RW, Speed R, Nordin BE. Seasonal variations in the composition of urine in relation to calcium stone-formation. *Clin Sci Mol Med* 1975;49(6):597-602.
650. Rodriguez A, Maria Gomila R, Martorell G, Costa-Bauza A, Grases F. Quantification of xanthine- and uric acid-related compounds in urine using a "dilute-and-shoot" technique coupling ultra-high-performance liquid chromatography and high-resolution Orbitrap mass spectrometry. *Journal of Chromatography B-Analytical Technologies in the Biomedical and Life Sciences* 2017;1067:53-60.
651. Rodriguez NJ, Davey K, Gaytan JLS. The control volume formulation to model the convective-diffusive unsteady heat transfer over the 1-D semi-infinite domain. *Computer Methods in Applied Mechanics and Engineering* 2007;196(41-44):4059-74.
652. Rodriguez R, Lombrana JI, Kamel M, de Elvira C. Kinetic and quality study of mushroom drying under microwave and vacuum. *Drying Technology* 2005;23(9-11):2197-213.
653. Rodriguez-Mijangos R, Vazquez-Polo G, Palafox JJ, Perez-Salas R. An optical criterion to obtain miscible mixed crystals in alkali halides. *Revista Mexicana De Fisica* 2008;54(2):15-20.
654. Rogie B, Monier-Vinard E, Minh-Nhat N, Bissuel V, Laraqi N. Practical analytical modeling of 3D multi-layer Printed Wired Board with buried volumetric heating sources. *International Journal of Thermal Sciences* 2018;129:404-15.
655. Romantchik E, Rios E, Sanchez E, Lopez I, Reyes Sanchez J. Determination of energy to be supplied by photovoltaic systems for fan-pad systems in cooling process of greenhouses. *Applied Thermal Engineering* 2017;114:1161-68.
656. Rosler M, Voit M. Biorthogonal polynomials associated with reflection groups and a formula of Macdonald. *Journal of Computational and Applied Mathematics* 1998;99(1-2):337-51.
657. Ross ME, Vicedo-Cabrera AM, Kopp RE, Song L, Goldfarb DS, Pulido J, et al. Assessment of the combination of temperature and relative humidity on kidney stone presentations. *Environ Res* 2018;162:97-105.
658. Ross ME, Vicedo-Cabrera AM, Kopp RE, Song L, Goldfarb DS, Pulido J, et al. Assessment of the combination of temperature and relative humidity on kidney stone presentations. *Environ Res* 2018;162:97-105.
659. Rougier J. Probabilistic inference for future climate using an ensemble of climate model evaluations. *Climatic Change* 2007;81(3-4):247-64.

-
660. Ruan H-J. The "hot spots" conjecture for the Sierpinski gasket. *Nonlinear Analysis-Theory Methods & Applications* 2012;75(2):469-76.
661. Ruiz-Agudo E, Burgos-Cara A, Ruiz-Agudo C, Ibanez-Velasco A, Coelfen H, Rodriguez-Navarro C. A non-classical view on calcium oxalate precipitation and the role of citrate. *Nature Communications* 2017;8
662. Sacco D, McDougal WS, Schwarz A. Preventing migration of stones during fragmentation with thermosensitive polymer. *J Endourol* 2007;21(5):504-7.
663. Sadikoglu H. Optimal control of the secondary drying stage of freeze drying of solutions in vials using variational calculus. *Drying Technology* 2005;23(1-2):33-57.
664. Sadikoglu H, Ozdemir M, Seker M. Optimal control of the primary drying stage of freeze drying of solutions in vials using variational calculus. *Drying Technology* 2003;21(7):1307-31.
665. Sagy I, Zeldetz V, Halperin D, Abu Tailakh M, Novack V. The effect of Ramadan fast on the incidence of renal colic emergency department visits. *QJM* 2017;110(9):571-76.
666. Sagy I, Zeldetz V, Halperin D, Abu Tailakh M, Novack V. The effect of Ramadan fast on the incidence of renal colic emergency department visits. *Qjm-an International Journal of Medicine* 2017;110(9):571-76.
667. Sancho T, Lemus J, Urbiztondo M, Soler J, Pina MP. Zeolites and zeotype materials as efficient barriers for methanol cross-over in DMFCs. *Microporous and Mesoporous Materials* 2008;115(1-2):206-13.
668. Sanders L, Stone R, Webb K, Mefford T, Nagatomi J. Mechanical characterization of a bifunctional Tetronic hydrogel adhesive for soft tissues. *J Biomed Mater Res A* 2015;103(3):861-8.
669. Sango M, Tegegn TA. Harmonic analysis tools for stochastic magnetohydrodynamics equations in Besov spaces. *International Journal of Modern Physics B* 2016;30(28-29)
670. Sabora A, Cornetti P, Carpinteri A, Baglieri O, Santagata E. The use of fractional calculus to model the experimental creep-recovery behavior of modified bituminous binders. *Materials and Structures* 2016;49(1-2):45-55.
671. Saqib M, Ali F, Khan I, Sheikh NA, Jan SAA, Samiulhaq. Exact solutions for free convection flow of generalized Jeffrey fluid: A Caputo-Fabrizio fractional model ID. *Alexandria Engineering Journal* 2018;57(3):1849-58.
672. Sasikumar R, Raguraman S. Impact of Climate Factors on the Prevalence of Renal Diseases. *International Journal of Ecological Economics & Statistics* 2018;39(1):87-97.
673. Sathyakam PU, Mallick PS. Carbon Nanotube Interconnects with Air-Gaps: Effect on Thermal Stability, Delay and Area. *Journal of Nano Research* 2017;48:29-37.
674. Scherer C. Stochastic dynamics of super-paramagnetic moments in polydisperse ferrofluids. *Magnetohydrodynamics* 2007;43(4):401-09.
675. Schmidt A, Volz C, Eisenberger F. The Dornier Lithotripter U 30: first clinical experience. *J Endourol* 1995;9(5):363-6.
676. Schmidt A, Volz C, Eisenberger F. The Dornier Lithotripter U 30: First clinical experience. *J Endourol* 1995;9(5):363-66.
677. Schneider HJ, Berenyi M, Hesse A, Tscharnke J. Comparative urinary stone analyses. Quantitative chemical, x-ray diffraction, infrared spectroscopy and thermo-analytical procedures. *Int Urol Nephrol* 1973;5(1):9-17.
678. Schneider HJ, Hesse A. [Analysis of urinary calculi]. *Z Urol Nephrol* 1974;67(2):145-8.

-
679. Schott R, Staples GS. Operator Homology and Cohomology in Clifford Algebras. *Cubo (Temuco)* 2010;12(2):299-326.
 680. Schouwenaars R, Seefeldt M, Van Houtte P. A probabilistic derivation of the effect of grain size on the dislocation free path in a deforming polycrystal. *Scripta Materialia* 2010;62(8):590-93.
 681. Secer A. Approximate analytic solution of fractional heat-like and wave-like equations with variable coefficients using the differential transforms method. *Advances in Difference Equations* 2012
 682. Incidence of kidney stones among oilfield workers in the Republic of Yemen. *Society of Petroleum Engineers - 9th International Conference on Health, Safety and Environment in Oil and Gas Exploration and Production 2008 - "In Search of Sustainable Excellence"*; 2008.
 683. Setyawan H, Pratiwi QC, Sjarifah I, Atmojo TB, Khotijah, Iop. Environmental heat stress enhances crystallization in urine. *International Conference on Climate Change: Challenges and Opportunity on Environment Degradation Researches* 2018.
 684. Shajari A, Sanjerehei MM. Modeling the distribution of urolithiasis prevalence under projected climate change in Iran. *Urolithiasis* 2015;43(4):339-47.
 685. Shajari A, Sanjerehei MM. Modeling the distribution of urolithiasis prevalence under projected climate change in Iran. *Urolithiasis* 2015;43(4):339-47.
 686. Shao J. Dissipative dynamics from a stochastic perspective. *Chem Phys* 2010;370(1-3):29-33.
 687. Sherief H, Abd El-Latief AM. Effect of variable thermal conductivity on a half-space under the fractional order theory of thermoelasticity. *International Journal of Mechanical Sciences* 2013;74:185-89.
 688. Sherief HH, Abd El-Latief AM. Application of fractional order theory of thermoelasticity to a 2D problem for a half-space. *Applied Mathematics and Computation* 2014;248:584-92.
 689. Sherief HH, El-Latief AMA. Application of fractional order theory of thermoelasticity to a 1D problem for a half-space. *Zamm-Zeitschrift Fur Angewandte Mathematik Und Mechanik* 2014;94(6):509-15.
 690. Sherief HH, El-Maghraby N. An internal penny-shaped crack in an infinite thermoelastic solid. *Journal of Thermal Stresses* 2003;26(4):333-52.
 691. Shevchenko I, Kaltenbacher M, Wohlmuth B. ABSORBING BOUNDARY CONDITIONS FOR A WAVE EQUATION WITH A TEMPERATURE-DEPENDENT SPEED OF SOUND. *Journal of Computational Acoustics* 2013;21(2)
 692. Sieniutycz S. Hamilton-Jacobi-Bellman theory of dissipative thermal availability. *Physical Review E* 1997;56(5):5051-64.
 693. Sieniutycz S. Nonlinear thermokinetics of maximum work in finite time. *International Journal of Engineering Science* 1998;36(5-6):577-97.
 694. Sieniutycz S. Optimality of nonequilibrium systems and problems of statistical thermodynamics. *International Journal of Heat and Mass Transfer* 2002;45(7):1545-61.
 695. Sieniutycz S. Development of generalized (rate dependent) availability. *International Journal of Heat and Mass Transfer* 2006;49(3-4):789-95.
 696. Sieniutycz S. Analysis of power and entropy generation in a chemical engine. *International Journal of Heat and Mass Transfer* 2008;51(25-26):5859-71.
 697. Sieniutycz S. Upper Limits for Power Yield in Thermal, Chemical, and Electrochemical Systems. In: Korsunsky AM, ed. *Current Themes in Engineering Science* 20092010:181-96.
 698. Sieniutycz S. Maximizing power yield in energy systems - A thermodynamic synthesis. *Applied Mathematical Modelling* 2012;36(5):2197-212.

699. Sieniutycz S. Minimization of power flux driving evaporation systems propelled by thermal or solar energy. *Cybernetics and Physics* 2012;1(3):204-15.
700. Sieniutycz S, Kuran P. Modeling thermal behavior and work flux in finite-rate systems with radiation. *International Journal of Heat and Mass Transfer* 2006;49(17-18):3264-83.
701. Sieniutycz S, Von Spakovsky MR. Finite time generalization of thermal exergy. *Energy Conversion and Management* 1998;39(14):1423-47.
702. Sih GC, Jeong DY. Hysteresis loops predicted by isoenergy density theory for polycrystals. Part II: cyclic heating and cooling effects predicted from non-equilibrium theory for 6061-T6 aluminum, SAE 4340 steel and Ti-8Al-1Mo-1V titanium cylindrical bars. *Theoretical and Applied Fracture Mechanics* 2004;41(1-3):267-89.
703. Silva JP, Nofuentes G, Munoz JV. Spectral Reflectance Patterns of Photovoltaic Modules and Their Thermal Effects. *Journal of Solar Energy Engineering-Transactions of the Asme* 2010;132(4)
704. Simeonov A, Saeva L. [Changes of leukocyte count and of temperature in nephrolithiasis]. *Khirurgiia (Sofia)* 1956;9(7-8):628-33.
705. Simpson TS, Savage GP, Sherlock R, Vanhanen LP. Oxalate Content of Silver Beet Leaves (*Beta vulgaris* var. *cicla*) at Different Stages of Maturation and the Effect of Cooking with Different Milk Sources. *J Agric Food Chem* 2009;57(22):10804-08.
706. Singh G, Suman, Tanwar DN, Pundir CS. Entrapment of Sorghum root oxalate oxidase into polyvinyl alcohol membrane. *Indian J Biochem Biophys* 2002;39(6):397-400.
707. Singh VK, Rai AK. Prospects for laser-induced breakdown spectroscopy for biomedical applications: a review. *Lasers Med Sci* 2011;26(5):673-87.
708. Sirohi M, Katz BF, Moreira DM, Dinlenc C. Monthly variations in urolithiasis presentations and their association with meteorologic factors in New York City. *J Endourol* 2014;28(5):599-604.
709. Sirohi M, Katz BF, Moreira DM, Dinlenc C. Monthly Variations in Urolithiasis Presentations and Their Association with Meteorologic Factors in New York City. *J Endourol* 2014;28(5):599-604.
710. Sirohi M, Katz BF, Moreira DM, Dinlenc C. Monthly variations in urolithiasis presentations and their association with meteorologic factors in New York City. *J Endourol* 2014;28(5):599-604.
711. Socol G, Torricelli P, Bracci B, Iliescu M, Miroiu F, Bigi A, et al. Biocompatible nanocrystalline octacalcium phosphate thin films obtained by pulsed laser deposition. *Biomaterials* 2004;25(13):2539-45.
712. Soucie JM, Coates RJ, McClellan W, Austin H, Thun M. Relation between geographic variability in kidney stones prevalence and risk factors for stones. *Am J Epidemiol* 1996;143(5):487-95.
713. Soucie JM, Coates RJ, McClellan W, Austin H, Thun M. Relation between geographic variability in kidney stones prevalence and risk factors for stones. *Am J Epidemiol* 1996;143(5):487-95.
714. Sriboonlue P, Prasongwatana V, Suwantrai S, Bovornpadungkitti S, Tungsanga K, Tosukhowong P. Nutritional potassium status of healthy adult males residing in the rural northeast Thailand. *J Med Assoc Thai* 1998;81(3):223-32.
715. Sriboonlue P, Prasongwatana V, Suwantrai S, Bovornpadungkitti S, Tungsanga K, Tosukhowong P. Nutritional potassium status of healthy adult males residing in the rural northeast Thailand. *J Med Assoc Thai* 1998;81(3):223-32.
716. Sriboonlue P, Suwantrai S, Tungsanga K, Prasongwatana V, Bovornpadungkitti S, Tosukhowong P. Nutritional Potassium Status of Healthy Adult Males Residing in the Rural Northeast Thailand. *J Med Assoc Thai* 1998;81(3):223-31.

717. Sriboonlue P, Tungsanga K, Tosukhowong P, Sitprija V. Seasonal changes in serum and erythrocyte potassium among renal stone formers from northeastern Thailand. *Southeast Asian J Trop Med Public Health* 1993;24(2):287-92.
718. Sriboonlue P, Tungsanga K, Tosukhowong P, Sitprija V. Seasonal changes in serum and erythrocyte potassium among renal stone formers from northeastern Thailand. *The Southeast Asian journal of tropical medicine and public health* 1993;24(2):287-92.
719. Sriboonlue P, Tungsanga K, Tosukhowong P, Sitprija V. Seasonal changes in serum and erythrocyte potassium among renal stone formers from northeastern Thailand. *The Southeast Asian journal of tropical medicine and public health* 1993;24(2):287-92.
720. Ster A, Safranko S, Bilic K, Markovic B, Kralj D. The effect of hydrodynamic and thermodynamic factors and the addition of citric acid on the precipitation of calcium oxalate dihydrate. *Urolithiasis* 2018;46(3):243-56.
721. Stone KR, Smith RE, Joklik WK. Changes in membrane polypeptides that occur when chick embryo fibroblasts and NRK cells are transformed with avian sarcoma viruses. *Virology* 1974;58(1):86-100.
722. Strates B, Georgacopoulou C. Derivatographic thermal analysis of renal tract calculi. *Clin Chem* 1969;15(4):307-11.
723. Stratula C, Oprea F. Some considerations regarding the liquefied gas receivers filling degree calculation. *Revista De Chimie* 1997;48(5):438-47.
724. Strnad M. [Salt and cancer]. *Acta Med Croatica* 2010;64(2):159-61.
725. Strnad M. Salt and cancer. *Acta medica Croatica : casopis Hrvatske akademije medicinskih znanosti* 2010;64(2):159-61.
726. Suguna K, Thenmozhi M, Sekar C. Growth, spectral, structural and mechanical properties of struvite crystal grown in presence of sodium fluoride. *Bulletin of Materials Science* 2012;35(4):701-06.
727. Sun AY, Hinck B, Cohen BR, Keslar K, Fairchild RL, Monga M. Inflammatory Cytokines in the Papillary Tips and Urine of Nephrolithiasis Patients. *J Endourol* 2018;32(3):236-44.
728. Sun AY, Hinck B, Cohen BR, Keslar K, Fairchild RL, Monga M. Inflammatory Cytokines in the Papillary Tips and Urine of Nephrolithiasis Patients. *J Endourol* 2018;32(3):236-44.
729. Sun AY, Hinck B, Cohen BR, Keslar K, Fairchild RL, Monga M. Inflammatory cytokines in the papillary tips and urine of nephrolithiasis patients. *J Endourol* 2018;32(3):236-44.
730. Sun XY, Ouyang JM, Liu AJ, Ding YM, Gan QZ. Preparation, characterization, and in vitro cytotoxicity of COM and COD crystals with various sizes. *Materials Science and Engineering C* 2015;57:147-56.
731. Sun X-Y, Ouyang J-M, Liu A-J, Ding Y-M, Gan Q-Z. Preparation, characterization, and in vitro cytotoxicity of COM and COD crystals with various sizes. *Materials Science & Engineering C- Materials for Biological Applications* 2015;57:147-56.
732. Takasaki E, Murahashi I, Nagata M. Four years retrospective study of urolithiasis at Dokkyo university hospital. *Japanese Journal of Clinical Urology* 1979;33(8):791-95.
733. Takasaki E, Murahashi I, Nagata M. A four-year retrospective study of urolithiasis. *Dokkyo Journal of Medical Sciences* 1979;6(2):120-25.
734. Takeuchi Y, Mizukawa Y, Iwasaka M. Magnetic rotations of uric acid crystals and uratic crystals by static magnetic fields of up to 500 mT. *Conf Proc IEEE Eng Med Biol Soc* 2013;2013:3261-4.
735. Talja M, Multanen M, Valimaa T, Tormala P. Bioabsorbable SR-PLGA horn stent after antegrade endopyelotomy: A case report. *J Endourol* 2002;16(5):299-302.

-
736. Talso M, Montanari E. Editorial Comment on: Effect of Laser Settings and Irrigation Rates on Ureteral Temperature During Holmium Laser Lithotripsy, an In Vitro Model by Wollin et al. *J Endourol* 2018;32(1):64-65.
737. Talwar IM, Yagyik Y, Lal N. Thermally stimulated polarization studies of kidney stones. II. Effect of annealing and thickness. *Biomaterials* 1991;12(5):518-20.
738. Taranto OP, Rocha SCS, Raghavan GSV. Convective heat transfer during coating of particles in two-dimensional spouted beds. *Drying Technology* 1997;15(6-8):1909-18.
739. Tas AC. Transformation of Brushite ($\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$) to Whitlockite ($\text{Ca}_9\text{Mg}(\text{HPO}_4)(\text{PO}_4)(6)$) or Other CaPs in Physiologically Relevant Solutions. *J Am Ceram Soc* 2016;99(4):1200-06.
740. Tasian GE, Pulido JE, Gasparrini A, Saigal CS, Horton BP, Landis JR, et al. Daily mean temperature and clinical kidney stone presentation in five U.S. metropolitan areas: a time-series analysis. *Environ Health Perspect* 2014;122(10):1081-7.
741. Tasian GE, Pulido JE, Gasparrini A, Saigal CS, Horton BP, Landis JR, et al. Daily Mean Temperature and Clinical Kidney Stone Presentation in Five U.S. Metropolitan Areas: A Time-Series Analysis. *Environ Health Perspect* 2014;122(10):1081-87.
742. Tasian GE, Pulido JE, Gasparrini A, Saigal CS, Horton BP, Richard Landis J, et al. Daily mean temperature and clinical kidney stone presentation in five u.s. metropolitan areas: A time-series analysis. *Environ Health Perspect* 2014;122(10):1081-87.
743. Taylor JS. Kidney cooling in partial nephrectomy. Evaluation of a technique. *Urology* 1975;5(4):456-60.
744. Taylor JS. Proceedings: evaluation of a technique of kidney cooling in partial nephrectomy. *Br J Urol* 1975;47(2):230-1.
745. Teichman JM, Vassar GJ, Glickman RD, Beserra CM, Cina SJ, Thompson IM. Holmium:YAG lithotripsy: photothermal mechanism converts uric acid calculi to cyanide. *J Urol* 1998;160(2):320-4.
746. Tendulkar J, Upreti SR, Lohi A. Experimental Determination of Concentration-Dependent Carbon Dioxide Diffusivity in LDPE. *Journal of Applied Polymer Science* 2009;111(1):380-87.
747. Tenreiro Machado JA, Lopes AM. Dynamical Analysis of the Global Warming. *Mathematical Problems in Engineering* 2012
748. Tenreiro Machado JA, Lopes AM. FRACTIONAL STATE SPACE ANALYSIS OF TEMPERATURE TIME SERIES. *Fractional Calculus and Applied Analysis* 2015;18(6):1518-36.
749. Tenreiro Machado JA, Silva MF, Barbosa RS, Jesus IS, Reis CM, Marcos MG, et al. Some Applications of Fractional Calculus in Engineering. *Mathematical Problems in Engineering* 2010
750. Terhorst B. [The effect of electrohydraulic waves and ultrasound on the urothelium]. *Urologe A* 1975;14(1):41-5.
751. Thaijaroen W, Harrison AJL. Nonlinear dynamic modelling of rubber isolators using six parameters based on parabolic spring, springpot, and smooth-slip friction element. *Polymer Testing* 2010;29(7):857-65.
752. Thomas D, Weederma M, Billings L, Hoffacker J, Washington-Allen RA. When to Spray: a Time-Scale Calculus Approach to Controlling the Impact of West Nile Virus. *Ecology and Society* 2009;14(2)
753. Thongboonkerd V, Semangoen T, Chutipongtanate S. Factors determining types and morphologies of calcium oxalate crystals: molar concentrations, buffering, pH, stirring and temperature. *Clin Chim Acta* 2006;367(1-2):120-31.

754. Tiktinskii OL, Smirnova MN. [On the use of underwater baths for expulsion of ureteral calculi]. *Urol Nefrol (Mosk)* 1967;32(4):13-5.
755. Tizzani A, Scaglione C, Frea B, Giona C, Cevoli R. [Uric lithiasis. Further experience with the kinetics of dissolution]. *Minerva Urol* 1981;33(4):211-6.
756. Tomazic B, Nancollas GH. The kinetics of dissolution of calcium oxalate hydrates. II. The dihydrate. *Invest Urol* 1980;18(2):97-101.
757. Tomazic BB, Nancollas GH. A study of the phase transformation of calcium oxalate trihydrate-monohydrate. *Invest Urol* 1979;16(5):329-35.
758. Tomson C, Connor A. Outlook: Implications of climate change for nephrology. *Nat Rev Nephrol* 2015;11(1):8-9.
759. Tomson C, Connor A. Implications of climate change for nephrology. *Nature Reviews Nephrology* 2015;11(1):8-9.
760. Trinchieri A. Epidemiological trends in urolithiasis: impact on our health care systems. *Urol Res* 2006;34(2):151-6.
761. Trinchieri A. Epidemiological trends in urolithiasis: impact on our health care systems. *Urol Res* 2006;34(2):151-56.
762. Trinchieri A. Epidemiological trends in urolithiasis: Impact on our health care systems. *Urol Res* 2006;34(2):151-56.
763. Trinchieri A, Montanari E. Prevalence of renal uric acid stones in the adult. *Urolithiasis* 2017;45(6):553-62.
764. Trinchieri A, Montanari E. Prevalence of renal uric acid stones in the adult. *Urolithiasis* 2017;45(6):553-62.
765. Trinchieri A, Montanari E. Prevalence of renal uric acid stones in the adult. *Urolithiasis* 2017;45(6):553-62.
766. Tucak A, Kalem T, Cvijetic S, Galic J, Prlic D, Zoric I, et al. The incidence and risk factors of urolithiasis in active working population of the Osijek community: an epidemiological study. *Periodicum Biologorum* 2000;102(4):431-35.
767. Valyasevi A, Halstead SB, Dhanamitta S. Studies of bladder stone disease in Thailand. VI. Urinary studies in children, 2-10 years old, resident in a hypo- and hyperendemic area. *The American journal of clinical nutrition* 1967;20(12):1362-8.
768. Valyasevi A, Halstead SB, Pantuwatana S, Tankayul C. Studies of bladder stone disease in Thailand. IV. Dietary habits, nutritional intake, and infant feeding practices among residents of a hypo- and hyperendemic area. *The American journal of clinical nutrition* 1967;20(12):1340-51.
769. Vassar GJ, Chan KF, Teichman JM, Glickman RD, Weintraub ST, Pfefer TJ, et al. Holmium: YAG lithotripsy: photothermal mechanism. *J Endourol* 1999;13(3):181-90.
770. Venet M, Santos IA, Eiras JA, Garcia D. Potentiality of SBN textured ceramics for pyroelectric applications. *Solid State Ionics* 2006;177(5-6):589-93.
771. Verbai Z, Csaky I, Kalmar F. Balance point temperature for heating as a function of glazing orientation and room time constant. *Energy and Buildings* 2017;135:1-9.
772. Verkoelen CF, Romijn JC, de Bruijn WC, Boeve ER, Cao LC, Schroder FH. Association of calcium oxalate monohydrate crystals with MDCK cells. *Kidney Int* 1995;48(1):129-38.
773. Vicedo-Cabrera AM, Goldfarb DS, Kopp RE, Song L, Tasian GE. Sex differences in the temperature dependence of kidney stone presentations: a population-based aggregated case-crossover study. *Urolithiasis* 2019

-
774. Vicedo-Cabrera AM, Goldfarb DS, Kopp RE, Song L, Tasian GE. Sex differences in the temperature dependence of kidney stone presentations: a population-based aggregated case-crossover study. *Urolithiasis* 2019
775. Vicedo-Cabrera AM, Goldfarb DS, Kopp RE, Song L, Tasian GE. Sex differences in the temperature dependence of kidney stone presentations: a population-based aggregated case-crossover study. *Urolithiasis* 2019
776. Vinaches P, Pergher SBC. Organic Structure-Directing Agents in SAPO Synthesis: The Case of 2-Ethyl-1,3,4-trimethylimidazolium. *Eur J Inorg Chem* 2018(2):123-30.
777. Viville C, Schueller D, de Petriconi R. [Contact renal refrigeration with continuous control of the intrarenal temperature in surgery for staghorn calculi]. *J Urol (Paris)* 1983;89(5):345-9.
778. Volkov O, Protas B, Liao W, Glander DW. Adjoint-based optimization of thermo-fluid phenomena in welding processes. *Journal of Engineering Mathematics* 2009;65(3):201-20.
779. Vosika ZB, Mitic VV, Lazovic GM, Kocic L. Discrete Temperature Values in the Sintering Process as a BaTiO₃-ceramics Properties Parameter. *Science of Sintering* 2017;49(4):469-77.
780. Walton RC, Kavanagh JP, Heywood BR. The density and protein content of calcium oxalate crystals precipitated from human urine: a tool to investigate ultrastructure and the fractional volume occupied by organic matrix. *J Struct Biol* 2003;143(1):14-23.
781. Wang J-G, Wei T, Zhou Y-B. Optimal error bound and simplified Tikhonov regularization method for a backward problem for the time-fractional diffusion equation. *Journal of Computational and Applied Mathematics* 2015;279:277-92.
782. Wang L, Guan X, Tang R, Hoyer JR, Wierzbicki A, De Yoreo JJ, et al. Phosphorylation of osteopontin is required for inhibition of calcium oxalate crystallization. *J Phys Chem B* 2008;112(30):9151-7.
783. Wang SY, Zhao J, Meng H, Ai X, Li ZL. Numeric investigation of the cutting temperature fields on the rake face in orthogonal machining. In: Ai X, Li J, Huang C, eds. *Advances in Materials Manufacturing Science and Technology* 2004:547-51.
784. Wang W, Zhao S, Wang X, Xu B, Xu R. Accurate and fast prediction of the viscosity of natural gas components based on the binary regression analysis method. *Journal of Beijing University of Chemical Technology Natural Science Edition* 2017;44(2):13-19.
785. Wang Y, Liu L, Liu Y, Leng J. Numerical modeling of dielectrics electrocaloric effect near the Ferroelectric-Paraelectric phase transformation. In: Epaarachchi JA, Lau AKT, Leng J, eds. *Fourth International Conference on Smart Materials and Nanotechnology in Engineering* 2013.
786. Wang YZ, Liu D, Wang Q, Zhou JZ. Asymptotic analysis of axisymmetric plane strain problem involving fractional order heat conduction. *Mechanics of Advanced Materials and Structures* 2016;23(5):586-92.
787. Wang Z, Koenigsberger L, Koenigsberger E. Solubility equilibria in the uric acid-ammonium urate-water system. *Monatshefte Fur Chemie* 2018;149(2):327-32.
788. Wang Z, Königsberger LC, Königsberger E. Solubility equilibria in the uric acid–ammonium urate–water system. *Monatshefte für Chemie* 2018;149(2):327-32.
789. Wang ZH, Königsberger E. Solubility equilibria in the uric acid sodium urate water system. *Thermochimica Acta* 1998;310(1-2):237-42.
790. Wang ZH, Seidel J, Wolf G, Königsberger E. Dissolution enthalpies of uric acid and uric acid dihydrate. *Thermochimica Acta* 2000;354(1-2):7-13.

791. Watring NJ, Smith CM, Stokes GK, Counselman FL. Spontaneous superior mesenteric artery (SMA) dissection: an unusual cause of abdominal pain. *J Emerg Med* 2010;39(5):576-8.
792. Watring NJ, Smith CM, Stokes GK, Counselman FL. SPONTANEOUS SUPERIOR MESENTERIC ARTERY (SMA) DISSECTION: AN UNUSUAL CAUSE OF ABDOMINAL PAIN. *J Emerg Med* 2010;39(5):576-78.
793. Webb J, Hawkey D. On (not) assembling a market for sustainable energy: heat network infrastructure and British cities. *Journal of Cultural Economy* 2017;10(1):8-20.
794. Welch AJ, Kang HW, Lee H, Teichman JM. Calculus fragmentation in laser lithotripsy. *Minerva Urol Nefrol* 2004;56(1):49-63.
795. Welch AJ, Kang HW, Lee H, Teichman JMH. Calculus fragmentation in laser lithotripsy. *Minerva urologica e nefrologica = The Italian journal of urology and nephrology* 2004;56(1):49-63.
796. West JB. Joseph Black, carbon dioxide, latent heat, and the beginnings of the discovery of the respiratory gases. *American Journal of Physiology-Lung Cellular and Molecular Physiology* 2014;306(12):L1057-L63.
797. Whittow GC. Renal excretion of water and salt by healthy people in Singapore. *The Medical journal of Malaya* 1956;11(2):126-33.
798. Willard SD, Nguyen MM. Internet search trends analysis tools can provide real-time data on kidney stone disease in the United States. *Urology* 2013;81(1):37-42.
799. Willard SD, Nguyen MM. Internet Search Trends Analysis Tools Can Provide Real-time Data on Kidney Stone Disease in the United States. *Urology* 2013;81(1):37-42.
800. Willard SD, Nguyen MM. Internet search trends analysis tools can provide real-time data on kidney stone disease in the united states. *Urology* 2013;81(1):37-42.
801. Wilson CR, Hardy LA, Irby PB, Fried NM. Collateral damage to the ureter and Nitinol stone baskets during thulium fiber laser lithotripsy. *Lasers Surg Med* 2015;47(5):403-10.
802. Wolf JS, Jr. Editorial comment. *J Urol* 2010;183(4):1422; discussion 23.
803. Wolyniec W, Renke M, Wojcik-Stasiak M, Renke J. [Selected work-related nephropathies]. *Med Pr* 2015;66(4):583-93.
804. Wolyniec W, Renke M, Wojcik-Stasiak M, Renke J. SELECTED WORK-RELATED NEPHROPATHIES. *Med Pr* 2015;66(4):583-93.
805. Wołyniec W, Renke M, Wójcik-Stasiak M, Renke J. Selected work-related nephropathies. *Med Pr* 2015;66(4):583-93.
806. Wu C, Lv G. Spatial Topological Relationships: An Overview and Analysis. *地球信息科学学报* 2010;12(4):524-31.
807. Wu YW, Jian YP, Liang JS, Zhong W, Yang ZW. The treatment of intrahepatic calculosis by applying helix hydro-jet lithotripsy under video choledochoscope: a report of 30 cases. *Langenbecks Arch Surg* 2006;391(4):355-8.
808. Wumaner A, Keremu A, Wumaier D, Wang Q. Reply. *Urology* 2014;84(4):778.
809. Xing J. Mapping between dissipative and Hamiltonian systems. *Journal of Physics a-Mathematical and Theoretical* 2010;43(37)
810. Xiong C, Niu Y. Fractional-order generalized thermoelastic diffusion theory. *Applied Mathematics and Mechanics-English Edition* 2017;38(8):1091-108.
811. Xu F, Li K-F, Deng X-H, Zhang P, Long Z-L. Research on viscoelastic behavior and rheological constitutive parameters of metallic glasses based on fractional-differential rheological model. *Acta Physica Sinica* 2016;65(4)

812. Xu H. Bergman Kernel and Kahler Tensor Calculus. *Pure and Applied Mathematics Quarterly* 2013;9(3):507-46.
813. Xu H, Cang J. Analysis of a time fractional wave-like equation with the homotopy analysis method. *Physics Letters A* 2008;372(8):1250-55.
814. Xu S, Li W, Xing F, Wang Y, Wang R, Wang X. An Elimination Method of Temperature-Induced Linear Birefringence in a Stray Current Sensor. *Sensors* 2017;17(3)
815. Xu W, Cui H, Yuan X. NUMERICAL SIMULATION AND ANALYSIS OF HEAT TRANSFER IN SINGLE-TUBE OF HEAT PIPE RECEIVER. *Acta Energiæ Solaris Sinica* 2005;26(3):338-42.
816. Xu Y, Xu Z-D, He T, Chen J, Xu C. A Fractional-Order Generalized Thermoelastic Problem of a Bilayer Piezoelectric Plate for Vibration Control. *Journal of Heat Transfer-Transactions of the Asme* 2017;139(8)
817. Xue C, Nie J. Exact solutions of Stokes' first problem for heated generalized Burgers' fluid in a porous half-space. *Nonlinear Analysis-Real World Applications* 2008;9(4):1628-37.
818. Xue C, Nie J. Exact solutions of Rayleigh-Stokes problem for heated generalized Maxwell fluid in a porous half-space. *Mathematical Problems in Engineering* 2008
819. Yagyik Y, Lal N, Talwar IM, Jethi RK. Electrical conductivity of kidney stones. *Biomaterials* 1989;10(4):281-5.
820. Yagyik Y, Talwar IM, Lal N, Nagpaul KK, Jethi RK. The electret effect of kidney stones. *Biomaterials* 1987;8(6):503-5.
821. Yan W, Yingli HAO. Thermodynamic analysis of loop heat pipe. *Journal of Thermal Science and Technology* 2008;7(2):126-32.
822. Yan Y-A, Shao J. Stochastic description of quantum Brownian dynamics. *Frontiers of Physics* 2016;11(4)
823. Yang C, Chen X, Chen R, Cai J, Meng X, Wan Y, et al. Daily ambient temperature and renal colic incidence in Guangzhou, China: a time-series analysis. *Int J Biometeorol* 2016;60(8):1135-42.
824. Yang C, Chen X, Chen R, Cai J, Meng X, Wan Y, et al. Daily ambient temperature and renal colic incidence in Guangzhou, China: a time-series analysis. *Int J Biometeorol* 2016;60(8):1135-42.
825. Yang Y, Deng Y, Wang Y. Major geogenic factors controlling geographical clustering of urolithiasis in China. *Sci Total Environ* 2016;571:1164-71.
826. Yang Y, Deng Y, Wang Y. Major geogenic factors controlling geographical clustering of urolithiasis in China. *Sci Total Environ* 2016;571:1164-71.
827. Yao Y, Deng Z, Wang R, Wang Y, Pu J, Zhang X. The influence of climate changes on potato growth in Gansu province. *Agricultural Research in the Arid Areas* 2006;24(3):16-20.
828. Yegorova AM, Mirzonov VA, Saarkoppel LM, Fedina IN. Urinary tract diseases in the able-bodied population: risk factors and prevention. *Zdravookhr Ross Fed* 2009(3):44-47.
829. Yildiz H, Van Nieuwenhove S, Doyen M, Yombi JC. Acute pyelonephritis and renal vein thrombosis: A case report and review of the literature. *Journal of Infection and Chemotherapy* 2016;22(11):759-61.
830. Yilmaz B, Ciftci E. An FDTD-based computer simulation platform for shock wave propagation in electrohydraulic lithotripsy. *Comput Methods Programs Biomed* 2013;110(3):389-98.
831. Yin B, Hu X, Song K. Evaluation of classic and fractional models as constitutive relations for carbon black-filled rubber. *Journal of Elastomers and Plastics* 2018;50(5):463-77.
832. Yip NK. Existence of dendritic crystal growth with stochastic perturbations. *Journal of Nonlinear Science* 1998;8(5):491-579.

-
833. Yoshida T, Fujimura K, Yamazaki T, Nogaki J, Okada K. Experimental and clinical study of a holmium: YAG laser with adjustable pulse duration. *Aktuelle Urol* 2003;34(4):276-8.
834. Yu YJ, Tian X-G, Liu X-R. Size-dependent generalized thermoelasticity using Eringen's nonlocal model. *European Journal of Mechanics a-Solids* 2015;51:96-106.
835. Zagone RL, Waldmann TM, Conlin MJ. Fragmentation of uric acid calculi with the holmium: YAG laser produces cyanide. *Lasers Surg Med* 2002;31(4):230-2.
836. Zaman F, Poullis C, Bach C, Moraitis K, Junaid I, Buchholz N, et al. Use of a segmental thermoexpandable metal alloy stent in the management of malignant ureteric obstruction: a single centre experience in the UK. *Urol Int* 2011;87(4):405-10.
837. Zarasvandi A, Carranza EJM, Heidari M, Mousapour E. Environmental factors of urinary stones mineralogy, Khuzestan Province, Iran. *Journal of African Earth Sciences* 2014;97:368-76.
838. Zarei M. A reflection on the fractional order nuclear reactor dynamics. *Applied Mathematical Modelling* 2019;73:349-64.
839. Zargham S, Ward TA, Ramli R, Badruddin IA. Topology optimization: a review for structural designs under vibration problems. *Structural and Multidisciplinary Optimization* 2016;53(6):1157-77.
840. Zellelow AZ, Kim K-H, Sours RE, Swift JA. Solid-State Dehydration of Uric Acid Dihydrate. *Crystal Growth & Design* 2010;10(1):418-25.
841. Zhang L, Li Y-H, Cai L-C. A formulism of two-phase equilibrium and phase diagram for elastic-plastic deformed system under non-hydrostatic stress conditions: Formulations and verification. *International Journal of Plasticity* 2018;104:147-72.
842. Zhang X. DENSITIES FOR SDES DRIVEN BY DEGENERATE α -STABLE PROCESSES. *Annals of Probability* 2014;42(5):1885-910.
843. Zhang Y, Zhao H, Liu F, Bai Y. Analytical and numerical solutions of the unsteady 2D flow of MHD fractional Maxwell fluid induced by variable pressure gradient. *Computers & Mathematics with Applications* 2018;75(3):965-80.
844. Zhao Z, Mai Z, Ou L, Duan X, Zeng G. Serum Estradiol and Testosterone Levels in Kidney Stones Disease with and without Calcium Oxalate Components in Naturally Postmenopausal Women. *PLoS One* 2013;8(9)
845. Zichil V, Nedeff V, Schnakovszky C, Savin C, Judele A. The influence of the temperature upon stress distribution at chuck plate with circular stress concentrator, using finite element method. *Metalurgia International* 2008;13(10):28-34.
846. Zopf C, Kaliske M. Constitutive Description of green Rubber Material for Forming Simulation. *Kgk-Kautschuk Gummi Kunststoffe* 2013;66(1-2):32-35.