Ji-Huan He

List of Publications by Year in Descending Order

488 papers	30,522 citations	74 h-index	164 g-index
538 ext. papers	33,955 ext. citations	2.9 avg, IF	8.69 L-index

#	Paper	IF	Citations
488	The Maximal Wrinkle Angle During the Bubble Collapse and Its Application to the Bubble Electrospinning. *Frontiers in Materials*, **2022**, 8,	4	1
487	Stability of three degrees-of-freedom auto-parametric system. *AEJ - Alexandria Engineering Journal*, **2022**,	6.1	7
486	Collection of polymer bubble as a nanoscale membrane. *Surfaces and Interfaces*, **2022**, 28, 101665	4.1	2
485	Dynamic pull-in and oscillations of current-carrying filaments in magnetic micro-electro-mechanical system. *Communications in Nonlinear Science and Numerical Simulation*, **2022**, 109, 106350	3.7	4
484	A Combination of Bernstein and Improved Block-Pulse Functions for Solving a System of Linear Fredholm Integral Equations. *Mathematical Problems in Engineering*, **2022**, 2022, 1-12	1.1	2
483	An Efficient Analytical Approach for the Periodicity of Nano/Microelectromechanical Systems Oscillators. *Mathematical Problems in Engineering*, **2022**, 2022, 1-12	1.1	5
482	An Approximate Solution of the Time-Fractional Two-Mode Coupled Burgers Equation. *Fractal and Fractional*, **2021**, 5, 196	3	3
481	A Simple Frequency Formulation for the Tangent Oscillator. *Axioms*, **2021**, 10, 320	1.6	15
480	An ancient Chinese algorithm for two-point boundary problems and its application to the Michaelis-Menten kinetics. *Mathematical Modelling and Control*, **2021**, 1, 172-176		1
479	On the mountain-river-desert relation. *Thermal Science*, **2021**, 25, 4817-4822	1.2	3
478	PASSIVE ATMOSPHERIC WATER HARVESTING UTILIZING AN ANCIENT CHINESE INK SLAB. *Facta Universitatis, Series: Mechanical Engineering*, **2021**, 19, 229	3.2	28
477	HAMILTONIAN-BASED FREQUENCY-AMPLITUDE FORMULATION FOR NONLINEAR OSCILLATORS. *Facta Universitatis, Series: Mechanical Engineering*, **2021**, 19, 199	3.2	44
476	LI-HE'S MODIFIED HOMOTOPY PERTURBATION METHOD FOR DOUBLY-CLAMPED ELECTRICALLY ACTUATED MICROBEAMS-BASED MICROELECTROMECHANICAL SYSTEM. *Facta Universitatis, Series: Mechanical Engineering*, **2021**, 19, 601	3.2	37
475	THE ENHANCED HOMOTOPY PERTURBATION METHOD FOR AXIAL VIBRATION OF STRINGS. *Facta Universitatis, Series: Mechanical Engineering*, **2021**, 19, 735	3.2	32
474	Nanofiber template-induced preparation of ZnO nanocrystal and its application in photocatalysis. *Scientific Reports*, **2021**, 11, 21196	4.9	1
473	Insight into the Significance of Hall Current and Joule Heating on the Dynamics of Darcy Forchheimer Peristaltic Flow of Rabinowitsch Fluid. *Journal of Mathematics*, **2021**, 2021, 1-18	1.2	2
472	Nonlinear EHD Instability of Two-Superposed Walters B Fluids Moving through Porous Media. *Axioms*, **2021**, 10, 258	1.6	6

No.	Title	IF	Cit.
453	Preparation of a Cu-BTC/PAN electrospun film with a good air filtration performance. *Thermal Science*, **2021**, 25, 1469-1475	1.2	2
452	Effect of solution concentrations on the structure and properties of nanofibrous yarns by blown bubble-spinning. *Thermal Science*, **2021**, 25, 2155-2160	1.2	
451	Fabrication of PVDF/PES nanofibers with unsmooth fractal surfaces by electrospinning: A general strategy and formation mechanism. *Thermal Science*, **2021**, 25, 1287-1294	1.2	2
450	Evans model for dynamic economics revised. *AIMS Mathematics*, **2021**, 6, 9194-9206	2.2	3
449	A modified Li-He variational principle for plasma. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2021**, 31, 1369-1372	4.5	35
448	Seeing with a single scale is always unbelieving from magic to two-scale fractal. *Thermal Science*, **2021**, 25, 1217-1219	1.2	21
447	The homotopy perturbation method for fractional differential equations: part 1 Mohand transform. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2021**, ahead-of-print,	4.5	17
446	A fractal modification of Chen-Lee-Liu equation and its fractal variational principle. *International Journal of Modern Physics B*, **2021**, 35, 2150214	1.1	6
445	Periodic Property and Instability of a Rotating Pendulum System. *Axioms*, **2021**, 10, 191	1.6	20
444	Nonlinear instability of two streaming-superposed magnetic Reiner-Rivlin Fluids by He-Laplace method. *Journal of Electroanalytical Chemistry*, **2021**, 895, 115388	4.1	22
443	Evidence integration credal classification algorithm versus missing data distributions. *Information Sciences*, **2021**, 569, 39-54	7.7	3
442	Improved Block-Pulse Functions for Numerical Solution of Mixed Volterra-Fredholm Integral Equations. *Axioms*, **2021**, 10, 200	1.6	3
441	Homotopy Perturbation Method for the Fractal Toda Oscillator. *Fractal and Fractional*, **2021**, 5, 93	3	36
440	On a strong minimum condition of a fractal variational principle. *Applied Mathematics Letters*, **2021**, 119, 107199	3.5	26
439	The simplest amplitude-period formula for non-conservative oscillators. *Reports in Mechanical Engineering*, **2021**, 2, 143-148	9.3	21
438	High energy surface as a receptor in electrospinning: A good switch for hydrophobicity to hydrophilicity. *Thermal Science*, **2021**, 25, 2205-2212	1.2	4
437	Dropping in electrospinning process: A general strategy for fabrication of microspheres. *Thermal Science*, **2021**, 25, 1295-1303	1.2	5
436	When mathematics meets thermal science: The simpler is the better. *Thermal Science*, **2021**, 25, 2039-2042	1.2	3

417	Bubble Electrospinning with an Auxiliary Electrode and an Auxiliary Air Flow. *Recent Patents on Nanotechnology*, **2020**, 14, 42-45	1.2	6
416	Insight into the Wetting Property of a Nanofiber Membrane by the Geometrical Potential. *Recent Patents on Nanotechnology*, **2020**, 14, 64-70	1.2	6
415	Thermal science for the real world: Reality and challenge. *Thermal Science*, **2020**, 24, 2289-2294	1.2	7
414	New promises and future challenges of fractal calculus: From two-scale thermodynamics to fractal variational principle. *Thermal Science*, **2020**, 24, 659-681	1.2	134
413	Nanofibers membrane for detecting heavy metal ions. *Thermal Science*, **2020**, 24, 2463-2468	1.2	4
412	Detection of cigarette smoke using a fiber membrane filmed with carbon nanoparticles and a fractal current law. *Thermal Science*, **2020**, 24, 2469-2474	1.2	7
411	On fabrication of nanoscale non-smooth fibers with high geometric potential and nanoparticle's non-linear vibration. *Thermal Science*, **2020**, 24, 2491-2497	1.2	14
410	A new proof of the dual optimization problem and its application to the optimal material distribution of SiC/graphene composite. *Reports in Mechanical Engineering*, **2020**, 1, 187-191	9.3	11
409	Numerical iteration for nonlinear oscillators by Elzaki transform. *Journal of Low Frequency Noise Vibration and Active Control*, **2020**, 39, 879-884	1.5	13
408	A FRACTAL VARIATIONAL THEORY FOR ONE-DIMENSIONAL COMPRESSIBLE FLOW IN A MICROGRAVITY SPACE. *Fractals*, **2020**, 28, 2050024	3.2	78
407	Gecko-like adhesion in the electrospinning process. *Results in Physics*, **2020**, 16, 102899	3.7	18
406	Generalized variational principles for buckling analysis of circular cylinders. *Acta Mechanica*, **2020**, 231, 899-906	2.1	35
405	TAYLOR SERIES SOLUTION FOR FRACTAL BRATU-TYPE EQUATION ARISING IN ELECTROSPINNING PROCESS. *Fractals*, **2020**, 28, 2050011	3.2	92
404	A simple approximation of periodic solutions to microelectromechanical system model of oscillating parallel plate capacitor. *Mathematical Methods in the Applied Sciences*, **2020**,	2.3	8
403	Analysis of nonlinear vibration of nano/microelectromechanical system switch induced by electromagnetic force under zero initial conditions. *AEJ - Alexandria Engineering Journal*, **2020**, 59, 4343-4352	6.1	22
402	Nonlinear dynamic analysis of vibratory behavior of a graphene nano/microelectromechanical system. *Mathematical Methods in the Applied Sciences*, **2020**,	2.3	15
401	Higher-order homotopy perturbation method for conservative nonlinear oscillators generally and microelectromechanical systems' oscillators particularly. *International Journal of Modern Physics B*, **2020**, 34, 2050313	1.1	17
400	A general numerical algorithm for nonlinear differential equations by the variational iteration method. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2020**, 30, 4797-4810	4.5	50

399	A short review on analytical methods for a fully fourth-order nonlinear integral boundary value problem with fractal derivatives. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2020**, 30, 4933-4943	4.5	53
398	Periodic property of the time-fractional Kundu-Mukherjee-Naskar equation. *Results in Physics*, **2020**, 19, 103345	3.7	49
397	THE FRACTIONAL COMPLEX TRANSFORM: A NOVEL APPROACH TO THE TIME-FRACTIONAL SCHRÖDINGER EQUATION. *Fractals*, **2020**, 28, 2050141	3.2	22
396	Homotopy perturbation method for Fangzhu oscillator. *Journal of Mathematical Chemistry*, **2020**, 58, 2245-2253	2.1	82
395	TiO2 nanotube arrays decorated with Au and Bi2S3 nanoparticles for efficient Fe3+ ions detection and dye photocatalytic degradation. *Journal of Materials Science and Technology*, **2020**, 39, 28-38	9.1	20
394	Fangzhu (??): An ancient Chinese nanotechnology for water collection from air: History, mathematical insight, promises, and challenges. *Mathematical Methods in the Applied Sciences*, **2020** ,	2.3	37
393	Taylor series solution for a third order boundary value problem arising in Architectural Engineering. *Ain Shams Engineering Journal*, **2020**, 11, 1411-1414	4.4	27
392	A variational principle for a thin film equation. *Journal of Mathematical Chemistry*, **2019**, 57, 2075-2081	2.1	94
391	HE-LZAKI METHOD FOR SPATIAL DIFFUSION OF BIOLOGICAL POPULATION. *Fractals*, **2019**, 27, 1950069	3.2	17
390	Silkworm-based silk fibers by electrospinning. *Results in Physics*, **2019**, 15, 102646	3.7	21
389	Nanoscale adhesion and attachment oscillation under the geometric potential. Part 1: The formation mechanism of nanofiber membrane in the electrospinning. *Results in Physics*, **2019**, 12, 1405-1410	3.7	63
388	Laplace transform: Making the variational iteration method easier. *Applied Mathematics Letters*, **2019**, 92, 134-138	3.5	101
387	The simpler, the better: Analytical methods for nonlinear oscillators and fractional oscillators. *Journal of Low Frequency Noise Vibration and Active Control*, **2019**, 38, 1252-1260	1.5	75
386	On the cross-section of shaped fibers in the dry spinning process: Physical explanation by the geometric potential theory. *Results in Physics*, **2019**, 14, 102347	3.7	20
385	Superflexible/superhydrophilic PVDF-HFP/CuO-nanosheet nanofibrous membrane for efficient microfiltration. *Applied Nanoscience (Switzerland)*, **2019**, 9, 1991-2000	3.3	10
384	Electrospun polysulfone/poly(lactic acid) nanoporous fibrous mats for oil removal from water. *Adsorption Science and Technology*, **2019**, 37, 438-450	3.6	17
383	Strength of bubble walls and the Hall-Petch effect in bubble-spinning. *Textile Reseach Journal*, **2019**, 89, 1340-1344	1.7	31
382	The simplest approach to nonlinear oscillators. *Results in Physics*, **2019**, 15, 102546	3.7	98

381	Humidity-induced porous poly(lactic acid) membrane with enhanced flux for oil/water separation. *Adsorption Science and Technology*, **2019**, 37, 389-400	3.6	9
380	He's multiple scales method for nonlinear vibrations. *Journal of Low Frequency Noise Vibration and Active Control*, **2019**, 38, 1708-1712	1.5	24
379	Taylor series solution for Lane-Emden equation. *Journal of Mathematical Chemistry*, **2019**, 57, 1932-1934	2.1	74
378	A simple approach to one-dimensional convection-diffusion equation and its fractional modification for E reaction arising in rotating disk electrodes. *Journal of Electroanalytical Chemistry*, **2019**, 854, 113565	4.1	57
377	Fabrication of Latex-based Nanofibers by Electrospinning. *Recent Patents on Nanotechnology*, **2019**, 13, 202-205	1.2	2
376	On two-scale dimension and its applications. *Thermal Science*, **2019**, 23, 1707-1712	1.2	114
375	Two-scale mathematics and fractional calculus for thermodynamics. *Thermal Science*, **2019**, 23, 2131-2133	1.2	148
374	Wetting and supercontraction properties of spider-based nanofibers. *Thermal Science*, **2019**, 23, 2189-2193	1.2	18
373	Sea-silk based nanofibers and their diameter prediction. *Thermal Science*, **2019**, 23, 2253-2256	1.2	15
372	Highly selective penetration of red ink in a saline water. *Thermal Science*, **2019**, 23, 2265-2270	1.2	5
371	Thermal property of rock powder-based nanofibers for high temperature filtration and adsorption. *Thermal Science*, **2019**, 23, 2501-2507	1.2	2
370	Fabrication and characterization of ZrO2 nanofibers by critical bubble electrospinning for high-temperature-resistant adsorption and separation. *Adsorption Science and Technology*, **2019**, 37, 425-437	3.6	18
369	Variational multi-scale finite element method for the two-phase flow of polymer melt filling process. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 30, 1407-1426	4.5	27
368	Lagrange crisis and generalized variational principle for 3D unsteady flow. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 30, 1189-1196	4.5	99
367	Electrospun Jets Number and Nanofiber Morphology Effected by Voltage Value: Numerical Simulation and Experimental Verification. *Nanoscale Research Letters*, **2019**, 14, 310	5	23
366	A fractal modification of the surface coverage model for an electrochemical arsenic sensor. *Electrochimica Acta*, **2019**, 296, 491-493	6.7	49
365	Polydopamine-Inspired Design and Synthesis of Visible-Light-Driven Ag [email´protected]@elongated TiO2 NTs Core-Shell Nanocomposites for Sustainable Hydrogen Generation. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 558-568	8.3	34
364	Homotopy perturbation method with an auxiliary parameter for nonlinear oscillators. *Journal of Low Frequency Noise Vibration and Active Control*, **2019**, 38, 1540-1554	1.5	67

363	ALONG THE EVOLUTION PROCESS KLEIBER'S 3/4 LAW MAKES WAY FOR RUBNER'S SURFACE LAW: A FRACTAL APPROACH. *Fractals*, **2019**, 27, 1950015	3.2	5
362	Geometrical potential and nanofiber membrane's highly selective adsorption property. *Adsorption Science and Technology*, **2019**, 37, 367-388	3.6	21
361	A lotus effect-inspired flexible and breathable membrane with hierarchical electrospinning micro/nanofibers and ZnO nanowires. *Materials and Design*, **2019**, 162, 246-248	8.1	38
360	Snail-based nanofibers. *Materials Letters*, **2018**, 220, 5-7	3.3	50
359	Glass fiber separator coated by porous carbon nanofiber derived from immiscible PAN/PMMA for high-performance lithium-sulfur batteries. *Journal of Membrane Science*, **2018**, 552, 31-42	9.6	60
358	Comparative and verified studies of zirconium nanocomposite nanofibres by bubble spinning. *Micro and Nano Letters*, **2018**, 13, 228-231	0.9	3
357	ELZAKI PROJECTED DIFFERENTIAL TRANSFORM METHOD FOR FRACTIONAL ORDER SYSTEM OF LINEAR AND NONLINEAR FRACTIONAL PARTIAL DIFFERENTIAL EQUATION. *Fractals*, **2018**, 26, 1850041	3.2	19
356	FRACTAL CALCULUS AND ITS APPLICATION TO EXPLANATION OF BIOMECHANISM OF POLAR BEAR HAIRS. *Fractals*, **2018**, 26, 1850086	3.2	54
355	Preparation of PLGA/MWCNT Composite Nanofibers by Airflow Bubble-Spinning and Their Characterization. *Polymers*, **2018**, 10,	4.5	6
354	Ultrafine and polar ZrO2-inlaid porous nitrogen-doped carbon nanofiber as efficient polysulfide absorbent for high-performance lithium-sulfur batteries with long lifespan. *Chemical Engineering Journal*, **2018**, 349, 376-387	14.7	62
353	NUMERICAL INVESTIGATION OF FRACTIONAL HIV MODEL USING ELZAKI PROJECTED DIFFERENTIAL TRANSFORM METHOD. *Fractals*, **2018**, 26, 1850062	3.2	9
352	Fractal calculus and its geometrical explanation. *Results in Physics*, **2018**, 10, 272-276	3.7	219
351	Jet speed in bubble rupture. *Thermal Science*, **2018**, 22, 47-50	1.2	11
350	Geometric potential: An explanation of nanofiber's wettability. *Thermal Science*, **2018**, 22, 33-38	1.2	58
349	Improvement of air permeability of Bubbfil nanofiber membrane. *Thermal Science*, **2018**, 22, 17-21	1.2	28
348	Nanoscale multi-phase flow and its application to control nanofiber diameter. *Thermal Science*, **2018**, 22, 43-46	1.2	26
347	Air permeability of nanofiber membrane with hierarchical structure. *Thermal Science*, **2018**, 22, 1637-1643	1.2	35
346	Self-assembly of macromolecules in a long and narrow tube. *Thermal Science*, **2018**, 22, 1659-1664	1.2	38

345	A Rachford-Rice like equation for solvent evaporation in the bubble electrospinning. *Thermal Science*, **2018**, 22, 1679-1683	1.2	23
344	What factors affect lotus effect?. *Thermal Science*, **2018**, 22, 1737-1743	1.2	35
343	The barycentric rational interpolation collocation method for boundary value problems. *Thermal Science*, **2018**, 22, 1773-1779	1.2	2
342	Macromolecule Orientation in Nanofibers. *Nanomaterials*, **2018**, 8,	5.4	21
341	A simplified formulation for calculation of minority-carrier effective lifetime. *Results in Physics*, **2018**, 11, 623-624	3.7	2
340	Fabrication of Beltlike Fibers by Electrospinning. *Polymers*, **2018**, 10,	4.5	6
339	Is the half-integer spin a first level approximation of the golden mean hierarchy?. *Results in Physics*, **2018**, 11, 362-363	3.7	3
338	Macromolecular electrospinning: Basic concept & preliminary experiment. *Results in Physics*, **2018**, 11, 740-742	3.7	25
337	A remark on Samuelson's variational principle in economics. *Applied Mathematics Letters*, **2018**, 84, 143-147	3.5	32
336	HALL-PETCH EFFECT AND INVERSE HALL-PETCH EFFECT: A FRACTAL UNIFICATION. *Fractals*, **2018**, 26, 1850083	3.2	21
335	Homotopy perturbation method for nonlinear oscillators with coordinate-dependent mass. *Results in Physics*, **2018**, 10, 270-271	3.7	86
334	Amplitude-Frequency Relationship for Conservative Nonlinear Oscillators with Odd Nonlinearities. *International Journal of Applied and Computational Mathematics*, **2017**, 3, 1557-1560	1.3	48
333	On relationship between two ancient Chinese algorithms and their application to flash evaporation. *Results in Physics*, **2017**, 7, 320-322	3.7	10
332	Hamilton's principle for dynamical elasticity. *Applied Mathematics Letters*, **2017**, 72, 65-69	3.5	32
331	Fabrication of highly oriented nanoporous fibers via airflow bubble-spinning. *Applied Surface Science*, **2017**, 421, 61-67	6.7	11
330	Sudden solvent evaporation in bubble electrospinning for fabrication of unsmooth nanofibers. *Thermal Science*, **2017**, 21, 1827-1832	1.2	36
329	Needle-disk electrospinning inspired by natural point discharge. *Journal of Materials Science*, **2017**, 52, 1823-1830	4.3	35
328	Generalized equilibrium equations for shell derived from a generalized variational principle. *Applied Mathematics Letters*, **2017**, 64, 94-100	3.5	32

327	Nonlinear vibration mechanism for fabrication of crimped nanofibers with bubble electrospinning and stuffer box crimping method. *Textile Reseach Journal*, **2017**, 87, 1706-1710	1.7	8
326	Crimp frequency of a viscoelastic fiber in a crimping process. *Thermal Science*, **2017**, 21, 1839-1842	1.2	4
325	A delayed fractional model for Cocoon's heat-proof property. *Thermal Science*, **2017**, 21, 1867-1871	1.2	15
324	Hybridization of homotopy perturbation method and Laplace transformation for the partial differential equations. *Thermal Science*, **2017**, 21, 1843-1846	1.2	58
323	Solvent evaporation in a binary solvent system for controllable fabrication of porous fibers by electrospinning. *Thermal Science*, **2017**, 21, 1821-1825	1.2	29
322	Mathematical models for thermal science. *Thermal Science*, **2017**, 21, 1563-1566	1.2	
321	An alternative approach to establishment of a variational principle for the torsional problem of piezoelastic beams. *Applied Mathematics Letters*, **2016**, 52, 1-3	3.5	14
320	Maximal Thermo-geometric Parameter in a Nonlinear Heat Conduction Equation. *Bulletin of the Malaysian Mathematical Sciences Society*, **2016**, 39, 605-608	1.2	1
319	A new fractional derivative and its application to explanation of polar bear hairs. *Journal of King Saud University - Science*, **2016**, 28, 190-192	3.6	26
318	Tunable surface morphology of electrospun PMMA fiber using binary solvent. *Applied Surface Science*, **2016**, 364, 516-521	6.7	28
317	On the Kubelka-Munk absorption coefficient. *Dyes and Pigments*, **2016**, 127, 187-188	4.6	38
316	Active generation of multiple jets for producing nanofibres with high quality and high throughput. *Materials and Design*, **2016**, 94, 496-501	8.1	42
315	A fractional model for dye removal. *Journal of King Saud University - Science*, **2016**, 28, 14-16	3.6	2
314	Nano-dyeing. *Thermal Science*, **2016**, 20, 1003-1005	1.2	2
313	Primary study of ethyl cellulose nanofiber for oxygen-enrichment membrane. *Thermal Science*, **2016**, 20, 1008-1009	1.2	3
312	Effect on honey concentration on morphology of bubble-electrospun polyvinyl alcohol/honey fibers. *Thermal Science*, **2016**, 20, 1012-1013	1.2	3
311	On fractal space-time and fractional calculus. *Thermal Science*, **2016**, 20, 773-777	1.2	45
310	A fractional model for insulation clothings with cocoon-like porous structure. *Thermal Science*, **2016**, 20, 779-784	1.2	8

309	A dye removal model with a fuzzy initial condition. *Thermal Science*, **2016**, 20, 867-870	1.2	5
308	Facile preparation of Fe2O3 nanobulk via bubble electrospinning and thermal treatment. *Thermal Science*, **2016**, 20, 967-972	1.2	9
307	Effect of Na2CO3 degumming concentration on LiBr-formic acid-silk fibroin solution properties. *Thermal Science*, **2016**, 20, 985-991	1.2	2
306	Bubbfil electrospinning of PA66/Cu nanofibers. *Thermal Science*, **2016**, 20, 993-998	1.2	6
305	A short remark on Chien variational principle of maximum power losses for viscous fluids. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2016**, 26, 694-697	4.5	3
304	Electricity from nanoparticles on a nanomembrane. *Thermal Science*, **2015**, 19, 351-352	1.2	2
303	Silk-based biomaterials in biomedical textiles and fiber-based implants. *Advanced Healthcare Materials*, **2015**, 4, 1134-51	10.1	99
302	Series solution of the autocatalytic hydrolysis of cellulose. *Cellulose*, **2015**, 22, 3099-3104	5.5	4
301	From Leibniz Notation for Derivative to the Fractal Derivative, Fractional Derivative and Application in Mongolian Yurt **2015**, 219-230		
300	Effect of ultrasonic vibration on the morphology of bubble-electrospun nanofibers. *Fibers and Polymers*, **2015**, 16, 2432-2436	2	3
299	Superfine crimped nanofibers fabricated by bubbfil electrospinning. *Journal of Controlled Release*, **2015**, 213, e38	11.7	0
298	Study on highly filtration efficiency of electrospun polyvinyl alcohol micro-porous webs. *Indian Journal of Physics*, **2015**, 89, 175-179	1.4	13
297	Bubble rupture in bubble electrospinning. *Thermal Science*, **2015**, 19, 1141-1149	1.2	20
296	Transverse vibration of an axially moving slender fiber of viscoelastic fluid in bubbfil spinning and stuffer box crimping. *Thermal Science*, **2015**, 19, 1437-1441	1.2	7
295	Hierarchical structure of nanofibers by bubbfil spinning. *Thermal Science*, **2015**, 19, 1445-1446	1.2	1
294	Fabrication of unsmooth bamboo-like nanofibers. *Thermal Science*, **2015**, 19, 1450-1451	1.2	1
293	Micro-nanofibers with hierarchical structure by bubbfil-spinning. *Thermal Science*, **2015**, 19, 1455-1456	1.2	2
292	High temperature resistant nanofiber by bubbfil-spinning. *Thermal Science*, **2015**, 19, 1461-1462	1.2	6

291	Fractal analysis of polar bear hairs. *Thermal Science*, **2015**, 19, 143-144	1.2	12
290	Copper/PA66 nanofibers by bubbfil-spinning. *Thermal Science*, **2015**, 19, 1463-1465	1.2	
289	Effect of zno nanoparticles on diameter of bubbfil PVA/ZnO nanofibers. *Thermal Science*, **2015**, 19, 1447-1449	1.2	
288	A modified stanton number for heat transfer through fabric surface. *Thermal Science*, **2015**, 19, 1475-1477	1.2	
287	Variational iteration method for Bratu-like equation arising in electrospinning. *Carbohydrate Polymers*, **2014**, 105, 229-30	10.3	48
286	A Tutorial Review on Fractal Spacetime and Fractional Calculus. *International Journal of Theoretical Physics*, **2014**, 53, 3698-3718	1.1	239
285	A short remark on the molar electronic transition energy ET(30) of the solvatochromic pyridinium N-phenolate betain dye 30. *Dyes and Pigments*, **2014**, 107, 106-107	4.6	
284	Mini-review on Bubbfil spinning process for mass-production of nanofibers. *Revista Materia*, **2014**, 19, 325-343	0.8	19
283	Bio-mimic design of PM2.5 anti-smog masks. *Thermal Science*, **2014**, 18, 1689-1690	1.2	5
282	Effect of temperature on non-linear dynamical property of stuffer box crimping and bubble electrospinning. *Thermal Science*, **2014**, 18, 1049-1053	1.2	7
281	Fractional calculus for nanoscale flow and heat transfer. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2014**, 24, 1227-1250	4.5	44
280	Lightning-Like Charged Jet Cascade in Bubble Electrospinning with Ultrasonic Vibration. *Journal of Nano Research*, **2014**, 27, 111-119	1	3
279	Preparation, Characterization and Ionizing Radiation Protection Properties of Electrospun Nanofibrous Mats Embedded with Erbium Oxide (Er2O3) Nanoparticles. *Journal of Nano Research*, **2014**, 27, 121-127	1	2
278	Derivation of a variational principle for plane strain elastic-plastic silk biopolymers. *Indian Journal of Physics*, **2014**, 88, 31-33	1.4	
277	Homotopy perturbation method with two expanding parameters. *Indian Journal of Physics*, **2014**, 88, 193-196	1.4	83
276	LETTER: Variational iteration method for Nonlinear Oscillators: a comment on "Application of Laplace Iteration method to Study of Nonlinear Vibration of laminated composite plates". *Latin American Journal of Solids and Structures*, **2014**, 11, 344-347	1.4	2
275	Thermal protection of electronic devices with the Nylon6/66-PEG nanofiber membranes. *Thermal Science*, **2014**, 18, 1441-1446	1.2	4
274	Fabrication of nanoporous fibers via bubble electrospinning. *Thermal Science*, **2014**, 18, 1455-1458	1.2	2

273	Fractal harmonic law and waterproof/dustproof. *Thermal Science*, **2014**, 18, 1463-1467	1.2	2
272	Polyvinyl alcohol/starch composite nanofibers by bubble electrospinning. *Thermal Science*, **2014**, 18, 1473-1475	1.2	12
271	Bubbfil spinning for mass-production of nanofibers. *Thermal Science*, **2014**, 18, 1718-1719	1.2	9
270	Electricity from nanomembrane. *Thermal Science*, **2014**, 18, 1720-1721	1.2	1
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