Ji-Huan He

List of Publications by Year
in descending order

515 papers	39,888 citations	5248 83 h-index	3312 184 g-index
538 all docs	538 docs citations	538 times ranked	7747 citing authors

#	Article	IF	Citations
1	The homotopy perturbation method for fractional differential equations: part 2, two-scale transform. International Journal of Numerical Methods for Heat and Fluid Flow, 2022, 32, 559-567.	1.6	27
2	Fast identification of the pull-in voltage of a nano/micro-electromechanical system. Journal of Low Frequency Noise Vibration and Active Control, 2022, 41, 566-571.	1.3	21
3	Collection of polymer bubble as a nanoscale membrane. Surfaces and Interfaces, 2022, 28, 101665.	1.5	26
4	The Maximal Wrinkle Angle During the Bubble Collapse and Its Application to the Bubble Electrospinning. Frontiers in Materials, 2022, 8, .	1.2	20
5	Stability of three degrees-of-freedom auto-parametric system. AEJ - Alexandria Engineering Journal, 2022, 61, 8393-8415.	3.4	35
6	SOLITARY WAVES OF THE VARIANT BOUSSINESQâ€“BURGERS EQUATION IN A FRACTAL-DIMENSIONAL SPACE. Fractals, 2022, 30, .	1.8	24
7	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.	1.7	14
8	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.	0.6	2
9	An Efficient Analytical Approach for the Periodicity of Nano/Microelectromechanical Systemsâ€™ Oscillators. Mathematical Problems in Engineering, 2022, 2022, 1-12.	0.6	13
10	A fractal approach to the diffusion process of red ink in a saline water. Thermal Science, 2022, 26, 2447-2451.	0.5	29
11	Macromolecular-scale electrospinning controlling inner topologic structure through a blowing air. Thermal Science, 2022, 26, 2663-2666.	0.5	3
12	Difference equation vs differential equation on different scales. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 391-401.	1.6	25
13	The reducing rank method to solve thirdâ€order Duffing equation with the homotopy perturbation. Numerical Methods for Partial Differential Equations, 2021, 37, 1800-1808.	2.0	74
14	ON THE FRACTAL VARIATIONAL PRINCIPLE FOR THE TELEGRAPH EQUATION. Fractals, 2021, 29, 2150022.	1.8	29
15	Dynamic pull-in for microâ€“electromechanical device with a current-carrying conductor. Journal of Low Frequency Noise Vibration and Active Control, 2021, 40, 1059-1066.	1.3	27
16	Effect of fabric surfaceâ€™s cleanliness on its moisture/air permeability. Thermal Science, 2021, 25, 1517-1521.	0.5	9
17	Preparation of a Cu-BTC/PAN electrospun film with a good air filtration performance. Thermal Science, 2021, 25, 1469-1475.	0.5	3
18	Effect of solution concentrations on the structure and properties of nanofibrous yarns by blown bubble-spinning. Thermal Science, 2021, 25, 2155-2160.	0.5	0

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19	Fabrication of PVDF/PES nanofibers with unsmooth fractal surfaces by electrospinning: A general strategy and formation mechanism. Thermal Science, 2021, 25, 1287-1294.	0.5	12
20	Evans model for dynamic economics revised. AIMS Mathematics, 2021, 6, 9194-9206.	0.7	24
21	A modified Li-Heâ€™s variational principle for plasma. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 1369-1372.	1.6	58
22	Seeing with a single scale is always unbelieving from magic to two-scale fractal. Thermal Science, 2021, 25, 1217-1219.	0.5	56
23	The homotopy perturbation method for fractional differential equations: part 1 Mohand transform. International Journal of Numerical Methods for Heat and Fluid Flow, 2021, 31, 3490-3504.	1.6	43
24	Homotopy perturbation method with three expansions. Journal of Mathematical Chemistry, 2021, 59, 1139-1150.	0.7	72
25	Heâ€“Laplace variational iteration method for solving the nonlinear equations arising in chemical kinetics and population dynamics. Journal of Mathematical Chemistry, 2021, 59, 1234-1245.	0.7	55
26	Fractal Pull-in Stability Theory for Microelectromechanical Systems. Frontiers in Physics, 2021, 9, .	1.0	24
27	Homotopy Perturbation Method for the Attachment Oscillator Arising in Nanotechnology. Fibers and Polymers, 2021, 22, 1601-1606.	1.1	36
28	FRACTAL OSCILLATION AND ITS FREQUENCY-AMPLITUDE PROPERTY. Fractals, 2021, 29, 2150105.	1.8	70
29	On the Frequency-Amplitude Formulation for Nonlinear Oscillators with General Initial Conditions. International Journal of Applied and Computational Mathematics, 2021, 7, 1.	0.9	13
30	Special Functions for Solving Nonlinear Differential Equations. International Journal of Applied and Computational Mathematics, 2021, 7, 1.	0.9	15
31	Preparation and properties of composite phase-change nanofiber membrane by improved bubble electrospinning. Materials Research Express, 2021, 8, 055011.	0.8	3
32	TWO-SCALE FRACTAL THEORY FOR THE POPULATION DYNAMICS. Fractals, 2021, 29, .	1.8	70
33	Solitary waves travelling along an unsmooth boundary. Results in Physics, 2021, 24, 104104.	2.0	98
34	VARIATIONAL APPROACH TO FRACTAL SOLITARY WAVES. Fractals, 2021, 29, .	1.8	68
35	LOW FREQUENCY PROPERTY OF A FRACTAL VIBRATION MODEL FOR A CONCRETE BEAM. Fractals, 2021, 29, 2150117.	1.8	74
36	STUDY OF NONLINEAR HIROTAâ€“SATSUMA COUPLED KdV AND COUPLED mKdV SYSTEM WITH TIME FRACTIONAL DERIVATIVE. Fractals, 2021, 29, 2150108.	1.8	13

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37	A fractal modification of Chenâ€“Leeâ€“Liu equation and its fractal variational principle. International Journal of Modern Physics B, 2021, 35, 2150214.	1.0	41
38	Periodic Property and Instability of a Rotating Pendulum System. Axioms, 2021, 10, 191.	0.9	59
39	Nonlinear instability of two streaming-superposed magnetic Reiner-Rivlin Fluids by He-Laplace method. Journal of Electroanalytical Chemistry, 2021, 895, 115388.	1.9	54
40	Evidence integration credal classification algorithm versus missing data distributions. Information Sciences, 2021, 569, 39-54.	4.0	10
41	Improved Block-Pulse Functions for Numerical Solution of Mixed Volterra-Fredholm Integral Equations. Axioms, 2021, 10, 200.	0.9	12
42	Homotopy perturbation method with three expansions for Helmholtz-Fangzhu oscillator. International Journal of Modern Physics B, 2021, 35, .	1.0	33
43	Homotopy Perturbation Method for the Fractal Toda Oscillator. Fractal and Fractional, 2021, 5, 93.	1.6	100
44	On a strong minimum condition of a fractal variational principle. Applied Mathematics Letters, 2021, 119, 107199.	1.5	57
45	A TUTORIAL INTRODUCTION TO THE TWO-SCALE FRACTAL CALCULUS AND ITS APPLICATION TO THE FRACTAL ZHIBERâ€“SHABAT OSCILLATOR. Fractals, 2021, 29, .	1.8	66
46	The simplest amplitude-period formula for non-conservative oscillators. Reports in Mechanical Engineering, 2021, 2, 143-148.	4.9	28
47	High energy surface as a receptor in electrospinning: A good switch for hydrophobicity to hydrophilicity. Thermal Science, 2021, 25, 2205-2212.	0.5	11
48	Dropping in electrospinning process: A general strategy for fabrication of microspheres. Thermal Science, 2021, 25, 1295-1303.	0.5	25
49	When mathematics meets thermal science: The simpler is the better. Thermal Science, 2021, 25, 2039-2042.	0.5	17
50	Bayesian inference for solving a class of heat conduction problems. Thermal Science, 2021, 25, 2135-2142.	0.5	4
51	Hierarchical aligned ZnO nanorods on surface of PVDF/Fe2O3 nanofibers by electrospinning in a magnetic field. Thermal Science, 2021, 25, 2399-2403.	0.5	5
52	Multifunctional Fibroblasts Enhanced via Thermal and Freeze-Drying Post-treatments of Aligned Electrospun Nanofiber Membranes. Advanced Fiber Materials, 2021, 3, 26-37.	7.9	31
53	The fastest insight into the large amplitude vibration of a string. Reports in Mechanical Engineering, 2021, 2, 1-5.	4.9	67
54	PASSIVE ATMOSPHERIC WATER HARVESTING UTILIZING AN ANCIENT CHINESE INK SLAB. Facta Universitatis, Series: Mechanical Engineering, 2021, 19, 229.	2.3	35

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55	HAMILTONIAN-BASED FREQUENCY-AMPLITUDE FORMULATION FOR NONLINEAR OSCILLATORS. Facta Universitatis, Series: Mechanical Engineering, 2021, 19, 199.	2.3	65
56	LI-HEâ€™S MODIFIED HOMOTOPY PERTURBATION METHOD FOR DOUBLY-CLAMPED ELECTRICALLY ACTUATED MICROBEAMS-BASED MICROELECTROMECHANICAL SYSTEM. Facta Universitatis, Series: Mechanical Engineering, 2021, 19, 601.	2.3	80
57	THE ENHANCED HOMOTOPY PERTURBATION METHOD FOR AXIAL VIBRATION OF STRINGS. Facta Universitatis, Series: Mechanical Engineering, 2021, 19, 735.	2.3	80
58	Nanofiber template-induced preparation of ZnO nanocrystal and its application in photocatalysis. Scientific Reports, 2021, 11, 21196.	1.6	6
59	Insight into the Significance of Hall Current and Joule Heating on the Dynamics of Darcyâ€“Forchheimer Peristaltic Flow of Rabinowitsch Fluid. Journal of Mathematics, 2021, 2021, 1-18.	0.5	14
60	Nonlinear EHD Instability of Two-Superposed Waltersâ€™ B Fluids Moving through Porous Media. Axioms, 2021, 10, 258.	0.9	18
61	Insights into Partial Slips and Temperature Jumps of a Nanofluid Flow over a Stretched or Shrinking Surface. Energies, 2021, 14, 6691.	1.6	25
62	An Approximate Solution of the Time-Fractional Two-Mode Coupled Burgers Equation. Fractal and Fractional, 2021, 5, 196.	1.6	17
63	A Simple Frequency Formulation for the Tangent Oscillator. Axioms, 2021, 10, 320.	0.9	61
64	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.	0.4	3
65	On the mountain-river-desert relation. Thermal Science, 2021, 25, 4817-4822.	0.5	15
66	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, 2020, 30, 1407-1426.	1.6	31
67	Lagrange crisis and generalized variational principle for 3D unsteady flow. International Journal of Numerical Methods for Heat and Fluid Flow, 2020, 30, 1189-1196.	1.6	120
68	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.	5.6	32
69	Numerical iteration for nonlinear oscillators by Elzaki transform. Journal of Low Frequency Noise Vibration and Active Control, 2020, 39, 879-884.	1.3	27
70	A FRACTAL VARIATIONAL THEORY FOR ONE-DIMENSIONAL COMPRESSIBLE FLOW IN A MICROGRAVITY SPACE. Fractals, 2020, 28, 2050024.	1.8	116
71	Gecko-like adhesion in the electrospinning process. Results in Physics, 2020, 16, 102899.	2.0	34
72	Generalized variational principles for buckling analysis of circular cylinders. Acta Mechanica, 2020, 231, 899-906.	1.1	48

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73	TAYLOR SERIES SOLUTION FOR FRACTAL BRATU-TYPE EQUATION ARISING IN ELECTROSPINNING PROCESS. Fractals, 2020, 28, 2050011.	1.8	129
74	A simple approximation of periodic solutions to microelectromechanical system model of oscillating parallel plate capacitor. Mathematical Methods in the Applied Sciences, 2020, , .	1.2	12
75	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.	3.4	46
76	Higher-order homotopy perturbation method for conservative nonlinear oscillators generally and microelectromechanical systemsâ€™ oscillators particularly. International Journal of Modern Physics B, 2020, 34, 2050313.	1.0	33
77	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.	1.6	78
78	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.	1.6	79
79	Periodic property of the time-fractional Kunduâ€“Mukherjeeâ€“Naskar equation. Results in Physics, 2020, 19, 103345.	2.0	68
80	THE FRACTIONAL COMPLEX TRANSFORM: A NOVEL APPROACH TO THE TIME-FRACTIONAL SCHRÃ–DINGER EQUATION. Fractals, 2020, 28, 2050141.	1.8	55
81	Homotopy perturbation method for Fangzhu oscillator. Journal of Mathematical Chemistry, 2020, 58, 2245-2253.	0.7	113
82	Approximate periodic solutions to microelectromechanical system oscillator subject to magnetostatic excitation. Mathematical Methods in the Applied Sciences, 2020, , .	1.2	19
83	Control of Macromolecule Chains Structure in a Nanofiber. Polymers, 2020, 12, 2305.	2.0	12
84	Error Estimation of the Homotopy Perturbation Method to Solve Second Kind Volterra Integral Equations with Piecewise Smooth Kernels: Application of the CADNA Library. Symmetry, 2020, 12, 1730.	1.1	32
85	A FRACTAL TWO-PHASE FLOW MODEL FOR THE FIBER MOTION IN A POLYMER FILLING PROCESS. Fractals, 2020, 28, 2050093.	1.8	35
86	Bubble Electrospinning: Patents, Promises and Challenges. Recent Patents on Nanotechnology, 2020, 14, 3-4.	0.7	11
87	Variational principle and periodic solution of the Kunduâ€“Mukherjeeâ€“Naskar equation. Results in Physics, 2020, 17, 103031.	2.0	108
88	VARIATIONAL PRINCIPLE FOR A GENERALIZED KdV EQUATION IN A FRACTAL SPACE. Fractals, 2020, 28, 2050069.	1.8	25
89	Innovation of Critical Bubble Electrospinning and Its Mechanism. Polymers, 2020, 12, 304.	2.0	6
90	Advances in Bubble Electrospinning. Recent Patents on Nanotechnology, 2020, 13, 162-163.	0.7	18

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91	From Micro to Nano and from Science to Technology: Nano Age Makes the Impossible Possible. Micro and Nanosystems, 2020, 12, 2-3.	0.3	9
92	A fractal Boussinesq equation for nonlinear transverse vibration of a nanofiber-reinforced concrete pillar. Applied Mathematical Modelling, 2020, 82, 437-448.	2.2	74
93	On the height of Taylor cone in electrospinning. Results in Physics, 2020, 17, 103096.	2.0	29
94	Credal Transfer Learning With Multi-Estimation for Missing Data. IEEE Access, 2020, 8, 70316-70328.	2.6	12
95	Taylor series solution for a third order boundary value problem arising in Architectural Engineering. Ain Shams Engineering Journal, 2020, 11, 1411-1414.	3.5	50
96	Electrospun Mussel-derived Silk Fibers. Recent Patents on Nanotechnology, 2020, 14, 14-20.	0.7	5
97	Fabrication of Latex-based Nanofibers by Electrospinning. Recent Patents on Nanotechnology, 2020, 13, 202-205.	0.7	5
98	Bubble Electrospinning with an Auxiliary Electrode and an Auxiliary Air Flow. Recent Patents on Nanotechnology, 2020, 14, 42-45.	0.7	19
99	Insight into the Wetting Property of a Nanofiber Membrane by the Geometrical Potential. Recent Patents on Nanotechnology, 2020, 14, 64-70.	0.7	14
100	Thermal science for the real world: Reality and challenge. Thermal Science, 2020, 24, 2289-2294.	0.5	24
101	New promises and future challenges of fractal calculus: From two-scale thermodynamics to fractal variational principle. Thermal Science, 2020, 24, 659-681.	0.5	217
102	Nanofibers membrane for detecting heavy metal ions. Thermal Science, 2020, 24, 2463-2468.	0.5	13
103	Detection of cigarette smoke using a fiber membrane filmed with carbon nanoparticles and a fractal current law. Thermal Science, 2020, 24, 2469-2474.	0.5	9
104	On fabrication of nanoscale non-smooth fibers with high geometric potential and nanoparticleâ€™s non-linear vibration. Thermal Science, 2020, 24, 2491-2497.	0.5	26
105	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.	4.9	18
106	Strength of bubble walls and the Hallâ€“Petch effect in bubble-spinning. Textile Reseach Journal, 2019, 89, 1340-1344.	1.1	41
107	The simplest approach to nonlinear oscillators. Results in Physics, 2019, 15, 102546.	2.0	148
108	Humidity-induced porous poly(lactic acid) membrane with enhanced flux for oilâ€“water separation. Adsorption Science and Technology, 2019, 37, 389-400.	1.5	16

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109	Heâ€™s multiple scales method for nonlinear vibrations. Journal of Low Frequency Noise Vibration and Active Control, 2019, 38, 1708-1712.	1.3	40
110	Taylor series solution for Laneâ€“Emden equation. Journal of Mathematical Chemistry, 2019, 57, 1932-1934.	0.7	114
111	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.	1.9	96
112	A variational principle for a thin film equation. Journal of Mathematical Chemistry, 2019, 57, 2075-2081.	0.7	119
113	Heâ€“ELZAKI METHOD FOR SPATIAL DIFFUSION OF BIOLOGICAL POPULATION. Fractals, 2019, 27, 1950069.	1.8	29
114	Silkworm-based silk fibers by electrospinning. Results in Physics, 2019, 15, 102646.	2.0	37
115	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.	2.0	82
116	Laplace transform: Making the variational iteration method easier. Applied Mathematics Letters, 2019, 92, 134-138.	1.5	160
117	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.	1.3	127
118	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.	2.0	35
119	Superflexible/superhydrophilic PVDF-HFP/CuO-nanosheet nanofibrous membrane for efficient microfiltration. Applied Nanoscience (Switzerland), 2019, 9, 1991-2000.	1.6	18
120	Electrospun polysulfone/poly(lactic acid) nanoporous fibrous mats for oil removal from water. Adsorption Science and Technology, 2019, 37, 438-450.	1.5	23
121	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.	1.5	34
122	Electrospun Jets Number and Nanofiber Morphology Effected by Voltage Value: Numerical Simulation and Experimental Verification. Nanoscale Research Letters, 2019, 14, 310.	3.1	42
123	A fractal modification of the surface coverage model for an electrochemical arsenic sensor. Electrochimica Acta, 2019, 296, 491-493.	2.6	68
124	Polydopamine-Inspired Design and Synthesis of Visible-Light-Driven Ag NPs@C@elongated TiO₂ NTs Coreâ€“Shell Nanocomposites for Sustainable Hydrogen Generation. ACS Sustainable Chemistry and Engineering, 2019, 7, 558-568.	3.2	41
125	Homotopy perturbation method with an auxiliary parameter for nonlinear oscillators. Journal of Low Frequency Noise Vibration and Active Control, 2019, 38, 1540-1554.	1.3	88
126	ALONG THE EVOLUTION PROCESS KLEIBER'S 3/4 LAW MAKES WAY FOR RUBNER'S SURFACE LAW: A FRACTAL APPROACH. Fractals, 2019, 27, 1950015.	1.8	12

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127	Geometrical potential and nanofiber membraneâ€™s highly selective adsorption property. Adsorption Science and Technology, 2019, 37, 367-388.	1.5	34
128	A lotus effect-inspired flexible and breathable membrane with hierarchical electrospinning micro/nanofibers and ZnO nanowires. Materials and Design, 2019, 162, 246-248.	3.3	58
129	On two-scale dimension and its applications. Thermal Science, 2019, 23, 1707-1712.	0.5	177
130	Two-scale mathematics and fractional calculus for thermodynamics. Thermal Science, 2019, 23, 2131-2133.	0.5	233
131	Wetting and supercontraction properties of spider-based nanofibers. Thermal Science, 2019, 23, 2189-2193.	0.5	23
132	Sea-silk based nanofibers and their diameter prediction. Thermal Science, 2019, 23, 2253-2256.	0.5	18
133	Highly selective penetration of red ink in a saline water. Thermal Science, 2019, 23, 2265-2270.	0.5	8
134	Thermal property of rock powder-based nanofibers for high temperature filtration and adsorption. Thermal Science, 2019, 23, 2501-2507.	0.5	3
135	Snail-based nanofibers. Materials Letters, 2018, 220, 5-7.	1.3	54
136	Glass fiber separatorÂcoated by porous carbon nanofiber derived fromÂimmiscible PAN/PMMA forÂhigh-performance lithium-sulfur batteries. Journal of Membrane Science, 2018, 552, 31-42.	4.1	83
137	Comparative and verified studies of zirconium nanocomposite nanofibres by bubble spinning. Micro and Nano Letters, 2018, 13, 228-231.	0.6	4
138	ELZAKI PROJECTED DIFFERENTIAL TRANSFORM METHOD FOR FRACTIONAL ORDER SYSTEM OF LINEAR AND NONLINEAR FRACTIONAL PARTIAL DIFFERENTIAL EQUATION. Fractals, 2018, 26, 1850041.	1.8	24
139	The barycentric rational interpolation collocation method for boundary value problems. Thermal Science, 2018, 22, 1773-1779.	0.5	5
140	Macromolecule Orientation in Nanofibers. Nanomaterials, 2018, 8, 918.	1.9	33
141	A simplified formulation for calculation of minority-carrier effective lifetime. Results in Physics, 2018, 11, 623-624.	2.0	2
142	Fabrication of Beltlike Fibers by Electrospinning. Polymers, 2018, 10, 1087.	2.0	6
143	Is the half-integer spin a first level approximation of the golden mean hierarchy?. Results in Physics, 2018, 11, 362-363.	2.0	3
144	Macromolecular electrospinning: Basic concept & preliminary experiment. Results in Physics, 2018, 11, 740-742.	2.0	36

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145	A remark on Samuelsonâ€™s variational principle in economics. Applied Mathematics Letters, 2018, 84, 143-147.	1.5	35
146	HALLâ€“PETCH EFFECT AND INVERSE HALLâ€“PETCH EFFECT: A FRACTAL UNIFICATION. Fractals, 2018, 26, 1850083.	1.8	40
147	Homotopy perturbation method for nonlinear oscillators with coordinate-dependent mass. Results in Physics, 2018, 10, 270-271.	2.0	113
148	FRACTAL CALCULUS AND ITS APPLICATION TO EXPLANATION OF BIOMECHANISM OF POLAR BEAR HAIRS. Fractals, 2018, 26, 1850086.	1.8	92
149	Preparation of PLGA/MWCNT Composite Nanofibers by Airflow Bubble-Spinning and Their Characterization. Polymers, 2018, 10, 481.	2.0	9
150	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.	6.6	91
151	NUMERICAL INVESTIGATION OF FRACTIONAL HIV MODEL USING ELZAKI PROJECTED DIFFERENTIAL TRANSFORM METHOD. Fractals, 2018, 26, 1850062.	1.8	12
152	Fractal calculus and its geometrical explanation. Results in Physics, 2018, 10, 272-276.	2.0	365
153	Jet speed in bubble rupture. Thermal Science, 2018, 22, 47-50.	0.5	13
154	Geometric potential: An explanation of nanofiberâ€™s wettability. Thermal Science, 2018, 22, 33-38.	0.5	70
155	Improvement of air permeability of Bubbfil nanofiber membrane. Thermal Science, 2018, 22, 17-21.	0.5	32
156	Nanoscale multi-phase flow and its application to control nanofiber diameter. Thermal Science, 2018, 22, 43-46.	0.5	33
157	Air permeability of nanofiber membrane with hierarchical structure. Thermal Science, 2018, 22, 1637-1643.	0.5	48
158	Self-assembly of macromolecules in a long and narrow tube. Thermal Science, 2018, 22, 1659-1664.	0.5	55
159	A Rachford-Rice like equation for solvent evaporation in the bubble electrospinning. Thermal Science, 2018, 22, 1679-1683.	0.5	29
160	What factors affect lotus effect?. Thermal Science, 2018, 22, 1737-1743.	0.5	45
161	Thermodynamics in nanotechnology: A new approach to revealing hidden phenomena. Thermal Science, 2018, 22, 1-3.	0.5	4
162	Amplitude-Frequency Relationship for Conservative Nonlinear Oscillators with Odd Nonlinearities. International Journal of Applied and Computational Mathematics, 2017, 3, 1557-1560.	0.9	68

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163	On relationship between two ancient Chinese algorithms and their application to flash evaporation. Results in Physics, 2017, 7, 320-322.	2.0	13
164	Hamiltonâ€™s principle for dynamical elasticity. Applied Mathematics Letters, 2017, 72, 65-69.	1.5	51
165	Fabrication of highly oriented nanoporous fibers via airflow bubble-spinning. Applied Surface Science, 2017, 421, 61-67.	3.1	16
166	Needle-disk electrospinning inspired by natural point discharge. Journal of Materials Science, 2017, 52, 1823-1830.	1.7	43
167	Generalized equilibrium equations for shell derived from a generalized variational principle. Applied Mathematics Letters, 2017, 64, 94-100.	1.5	42
168	Nonlinear vibration mechanism for fabrication of crimped nanofibers with bubble electrospinning and stuffer box crimping method. Textile Reseach Journal, 2017, 87, 1706-1710.	1.1	11
169	Sudden solvent evaporation in bubble electrospinning for fabrication of unsmooth nanofibers. Thermal Science, 2017, 21, 1827-1832.	0.5	43
170	Crimp frequency of a viscoelastic fiber in a crimping process. Thermal Science, 2017, 21, 1839-1842.	0.5	4
171	A delayed fractional model for Cocoonâ€™s heat-proof property. Thermal Science, 2017, 21, 1867-1871.	0.5	17
172	Hybridization of homotopy perturbation method and Laplace transformation for the partial differential equations. Thermal Science, 2017, 21, 1843-1846.	0.5	69
173	Solvent evaporation in a binary solvent system for controllable fabrication of porous fibers by electrospinning. Thermal Science, 2017, 21, 1821-1825.	0.5	38
174	Mathematical models for thermal science. Thermal Science, 2017, 21, 1563-1566.	0.5	0
175	A short remark on Chienâ€™s variational principle of maximum power losses for viscous fluids. International Journal of Numerical Methods for Heat and Fluid Flow, 2016, 26, 694-697.	1.6	5
176	Tunable surface morphology of electrospun PMMA fiber using binary solvent. Applied Surface Science, 2016, 364, 516-521.	3.1	40
177	On the Kubelkaâ€“Munk absorption coefficient. Dyes and Pigments, 2016, 127, 187-188.	2.0	54
178	Active generation of multiple jets for producing nanofibres with high quality and high throughput. Materials and Design, 2016, 94, 496-501.	3.3	44
179	A fractional model for dye removal. Journal of King Saud University - Science, 2016, 28, 14-16.	1.6	7
180	An alternative approach to establishment of a variational principle for the torsional problem of piezoelastic beams. Applied Mathematics Letters, 2016, 52, 1-3.	1.5	18

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181	Maximal Thermo-geometric Parameter in a Nonlinear Heat Conduction Equation. Bulletin of the Malaysian Mathematical Sciences Society, 2016, 39, 605-608.	0.4	14
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