

# Chun-Hui He

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

1,852  
citations

279798

23  
h-index

289244

40  
g-index

56  
all docs

56  
docs citations

56  
times ranked

524  
citing authors

#	ARTICLE	IF	CITATIONS
1	A variational principle for a fractal nano/microelectromechanical (N/MEMS) system. International Journal of Numerical Methods for Heat and Fluid Flow, 2023, 33, 351-359.	2.8	37
2	Hybrid rayleighâ€“van der polâ€“duffing oscillator: Stability analysis and controller. Journal of Low Frequency Noise Vibration and Active Control, 2022, 41, 244-268.	2.9	71
3	A novel bond stress-slip model for 3-D printed concretes. Discrete and Continuous Dynamical Systems - Series S, 2022, 15, 1669.	1.1	25
4	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.	2.9	21
5	A heuristic review on the homotopy perturbation method for non-conservative oscillators. Journal of Low Frequency Noise Vibration and Active Control, 2022, 41, 572-603.	2.9	66
6	A MODIFIED FREQUENCYâ€“AMPLITUDE FORMULATION FOR FRACTAL VIBRATION SYSTEMS. Fractals, 2022, 30, .	3.7	57
7	Controlling the kinematics of a spring-pendulum system using an energy harvesting device. Journal of Low Frequency Noise Vibration and Active Control, 2022, 41, 1234-1257.	2.9	66
8	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.	3.3	14
9	Chemical reaction and radiation on boundary-layer flow of electrically conduction micropolar fluid through a porous shrinking sheet. Thermal Science, 2022, 26, 2593-2598.	1.1	4
10	Macromoleculeâ€™s Orientation in a Nanofiber by Bubble Electrospinning. Fluid Dynamics and Materials Processing, 2021, 17, 711-720.	0.7	0
11	Evans model for dynamic economics revised. AIMS Mathematics, 2021, 6, 9194-9206.	1.6	24
12	Fractal Pull-in Stability Theory for Microelectromechanical Systems. Frontiers in Physics, 2021, 9, .	2.1	24
13	FRACTAL N/MEMS: FROM PULL-IN INSTABILITY TO PULL-IN STABILITY. Fractals, 2021, 29, 2150030.	3.7	90
14	FRACTAL OSCILLATION AND ITS FREQUENCY-AMPLITUDE PROPERTY. Fractals, 2021, 29, 2150105.	3.7	70
15	TWO-SCALE FRACTAL THEORY FOR THE POPULATION DYNAMICS. Fractals, 2021, 29, .	3.7	70
16	Solitary waves travelling along an unsmooth boundary. Results in Physics, 2021, 24, 104104.	4.1	98
17	LOW FREQUENCY PROPERTY OF A FRACTAL VIBRATION MODEL FOR A CONCRETE BEAM. Fractals, 2021, 29, 2150117.	3.7	74
18	On a strong minimum condition of a fractal variational principle. Applied Mathematics Letters, 2021, 119, 107199.	2.7	57

#	ARTICLE	IF	CITATIONS
19	An analysis of time-fractional heat transfer problem using two-scale approach. GEM - International Journal on Geomathematics, 2021, 12, 1.	1.6	18
20	Study on the rheology and buildability of 3D printed concrete with recycled coarse aggregates. Journal of Building Engineering, 2021, 42, 103030.	3.4	21
21	A fractal micro-electromechanical system and its pull-in stability. Journal of Low Frequency Noise Vibration and Active Control, 2021, 40, 1380-1386.	2.9	53
22	Oligothiophene molecular wires at graphene-based molecular junctions. Physical Chemistry Chemical Physics, 2021, 23, 21163-21171.	2.8	1
23	PASSIVE ATMOSPHERIC WATER HARVESTING UTILIZING AN ANCIENT CHINESE INK SLAB. Facta Universitatis, Series: Mechanical Engineering, 2021, 19, 229.	4.6	35
24	A Simple Frequency Formulation for the Tangent Oscillator. Axioms, 2021, 10, 320.	1.9	61
25	From Inner Topological Structure to Functional Nanofibers: Theoretical Analysis and Experimental Verification. Membranes, 2021, 11, 870.	3.0	4
26	TAYLOR SERIES SOLUTION FOR FRACTAL BRATU-TYPE EQUATION ARISING IN ELECTROSPINNING PROCESS. Fractals, 2020, 28, 2050011.	3.7	129
27	A fractal Boussinesq equation for nonlinear transverse vibration of a nanofiber-reinforced concrete pillar. Applied Mathematical Modelling, 2020, 82, 437-448.	4.2	74
28	Charge transport in hybrid platinum/molecule/graphene single molecule junctions. Physical Chemistry Chemical Physics, 2020, 22, 13498-13504.	2.8	6
29	Effect of MWCNT on the Structure and Property of Nanofibrous Bundles by Blown Bubble Spinning. Recent Patents on Nanotechnology, 2020, 13, 171-180.	1.3	1
30	A REMARK ON WANG'S FRACTAL VARIATIONAL PRINCIPLE. Fractals, 2019, 27, 1950134.	3.7	80
31	PHYSICAL INSIGHT OF LOCAL FRACTIONAL CALCULUS AND ITS APPLICATION TO FRACTIONAL KDV-BURGERS-KURAMOTO EQUATION. Fractals, 2019, 27, 1950122.	3.7	85
32	Effect of Asymmetric Anchoring Groups on Electronic Transport in Hybrid Metal/Molecule/Graphene Single Molecule Junctions. ChemPhysChem, 2019, 20, 1830-1836.	2.1	10
33	Graphene-Contacted Single Molecular Junctions with Conjugated Molecular Wires. ACS Applied Nano Materials, 2019, 2, 12-18.	5.0	16
34	A fractal modification of the surface coverage model for an electrochemical arsenic sensor. Electrochimica Acta, 2019, 296, 491-493.	5.2	68
35	A complement to period/frequency estimation of a nonlinear oscillator. Journal of Low Frequency Noise Vibration and Active Control, 2019, 38, 992-995.	2.9	11
36	Homotopy perturbation method coupled with the enhanced perturbation method. Journal of Low Frequency Noise Vibration and Active Control, 2019, 38, 1399-1403.	2.9	67

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37	Macromolecule Orientation in Nanofibers. <i>Nanomaterials</i> , 2018, 8, 918.	4.1	33
38	Fabrication of Beltlike Fibers by Electrospinning. <i>Polymers</i> , 2018, 10, 1087.	4.5	6
39	Carbon-contacted single molecule electrical junctions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24553-24560.	2.8	9
40	Effect of concentration of metal inorganic salt on fiber diameter in electrospinning process: Mathematical model and experimental verification. <i>Thermal Science</i> , 2018, 22, 2565-2570.	1.1	3
41	A short remark on the solution of Rachford-Rice equation. <i>Thermal Science</i> , 2018, 22, 1849-1852.	1.1	7
42	A simple analytical approach to a nonlinear equation arising in porous catalyst. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017, 27, 861-866.	2.8	10
43	A short remark on Kalaawy's variational principle for plasma. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017, 27, 2203-2206.	2.8	13
44	Symmetry Effects on Attenuation Factors in Graphene-Based Molecular Junctions. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5987-5992.	4.6	15
45	Microstructure and property of regenerated silk fibroin/chitosan nanofibers. <i>Thermal Science</i> , 2016, 20, 979-983.	1.1	5
46	An introduction to an ancient Chinese algorithm and its modification. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2016, 26, 2486-2491.	2.8	44
47	Nano-dyeing. <i>Thermal Science</i> , 2016, 20, 1003-1005.	1.1	4
48	Effect of direction of blowing air on morphology of nanofibers by bubble spinning. <i>Thermal Science</i> , 2016, 20, 1016-1017.	1.1	2
49	Application of an ancient Chinese algorithm to stab performance of woven fabrics. <i>Thermal Science</i> , 2016, 20, 819-822.	1.1	7
50	Facile preparation of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanobulk via bubble electrospinning and thermal treatment. <i>Thermal Science</i> , 2016, 20, 967-972.	1.1	12
51	Bubble spinning for fabrication of PVA nanofibers. <i>Thermal Science</i> , 2015, 19, 743-746.	1.1	17
52	A mathematical model for the formation of beaded fibers in electrospinning. <i>Thermal Science</i> , 2015, 19, 1151-1154.	1.1	6
53	Effect of pore size on gas resistance of nanofiber membrane by the bubble electrospinning. <i>Thermal Science</i> , 2015, 19, 1349-1351.	1.1	6
54	Electricity from nanomembrane. <i>Thermal Science</i> , 2014, 18, 1720-1721.	1.1	2

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55	Double trials method for nonlinear problems arising in heat transfer. Thermal Science, 2011, 15, 153-155.	1.1	3
56	<i>Fangzhu</i> (方诸): An ancient Chinese nanotechnology for water collection from air: History, mathematical insight, promises, and challenges. Mathematical Methods in the Applied Sciences, 0, , .	2.3	40