Ji-Huan He

List of Publications by Citations

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	Homotopy perturbation technique. *Computer Methods in Applied Mechanics and Engineering*, **1999**, 178, 257-262	5.7	1945
487	SOME ASYMPTOTIC METHODS FOR STRONGLY NONLINEAR EQUATIONS. *International Journal of Modern Physics B*, **2006**, 20, 1141-1199	1.1	1474
486	Variational iteration method—a kind of non-linear analytical technique: some examples. *International Journal of Non-Linear Mechanics*, **1999**, 34, 699-708	2.8	1469
485	Exp-function method for nonlinear wave equations. *Chaos, Solitons and Fractals*, **2006**, 30, 700-708	9.3	1170
484	A coupling method of a homotopy technique and a perturbation technique for non-linear problems. *International Journal of Non-Linear Mechanics*, **2000**, 35, 37-43	2.8	1137
483	Homotopy perturbation method: a new nonlinear analytical technique. *Applied Mathematics and Computation*, **2003**, 135, 73-79	2.7	950
482	Approximate analytical solution for seepage flow with fractional derivatives in porous media. *Computer Methods in Applied Mechanics and Engineering*, **1998**, 167, 57-68	5.7	815
481	Application of homotopy perturbation method to nonlinear wave equations. *Chaos, Solitons and Fractals*, **2005**, 26, 695-700	9.3	812
480	Homotopy perturbation method for solving boundary value problems. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2006**, 350, 87-88	2.3	728
479	Variational iteration method for autonomous ordinary differential systems. *Applied Mathematics and Computation*, **2000**, 114, 115-123	2.7	679
478	The homotopy perturbation method for nonlinear oscillators with discontinuities. *Applied Mathematics and Computation*, **2004**, 151, 287-292	2.7	571
477	Variational iteration method—Some recent results and new interpretations. *Journal of Computational and Applied Mathematics*, **2007**, 207, 3-17	2.4	550
476	Construction of solitary solution and compacton-like solution by variational iteration method. *Chaos, Solitons and Fractals*, **2006**, 29, 108-113	9.3	486
475	ADDENDUM: NEW INTERPRETATION OF HOMOTOPY PERTURBATION METHOD. *International Journal of Modern Physics B*, **2006**, 20, 2561-2568	1.1	462
474	Variational principles for some nonlinear partial differential equations with variable coefficients. *Chaos, Solitons and Fractals*, **2004**, 19, 847-851	9.3	440
473	Variational iteration method: New development and applications. *Computers and Mathematics With Applications*, **2007**, 54, 881-894	2.7	435
472	Homotopy Perturbation Method for Bifurcation of Nonlinear Problems. *International Journal of Nonlinear Sciences and Numerical Simulation*, **2005**, 6,	1.8	417

453	Modified Lindstedt-Poincare methods for some strongly non-linear oscillations. *International Journal of Non-Linear Mechanics*, **2002**, 37, 315-320	2.8	144
452	Semi-Inverse Method of Establishing Generalized Variational Principles for Fluid Mechanics With Emphasis on Turbomachinery Aerodynamics. *International Journal of Turbo and Jet Engines*, **1997**, 14,	0.8	140
451	Controlling numbers and sizes of beads in electrospun nanofibers. *Polymer International*, **2008**, 57, 632-636	3.5	137
450	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
449	EXP-function method and its application to nonlinear equations. *Chaos, Solitons and Fractals*, **2008**, 38, 903-910	9.3	133
448	Lattice Boltzmann modeling of the effective thermal conductivity for fibrous materials. *International Journal of Thermal Sciences*, **2007**, 46, 848-855	4.1	129
447	An approximate solution technique depending on an artificial parameter: A special example. *Communications in Nonlinear Science and Numerical Simulation*, **1998**, 3, 92-97	3.7	126
446	Nano-effects, quantum-like properties in electrospun nanofibers. *Chaos, Solitons and Fractals*, **2007**, 33, 26-37	9.3	125
445	Generalized solitary solution and compacton-like solution of the Jaulent-Miodek equations using the Exp-function method. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2008**, 372, 1044-1047	2.3	125
444	Asymptotic Methods for Solitary Solutions and Compactons. *Abstract and Applied Analysis*, **2012**, 2012, 1-130	0.7	115
443	On two-scale dimension and its applications. *Thermal Science*, **2019**, 23, 1707-1712	1.2	114
442	Bubble-electrospinning for fabricating nanofibers. *Polymer*, **2009**, 50, 5846-5850	3.9	111
441	Cantor-type cylindrical-coordinate method for differential equations with local fractional derivatives. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2013**, 377, 1696-1700	2.3	109
440	Laplace transform: Making the variational iteration method easier. *Applied Mathematics Letters*, **2019**, 92, 134-138	3.5	101
439	An elementary introduction to the homotopy perturbation method. *Computers and Mathematics With Applications*, **2009**, 57, 410-412	2.7	101
438	Nonlinear oscillator with discontinuity by parameter-expansion method. *Chaos, Solitons and Fractals*, **2008**, 35, 688-691	9.3	101
437	Review on fiber morphology obtained by bubble electrospinning and blown bubble spinning. *Thermal Science*, **2012**, 16, 1263-1279	1.2	100
436	Silk-based biomaterials in biomedical textiles and fiber-based implants. *Advanced Healthcare Materials*, **2015**, 4, 1134-51	10.1	99

435	Periodic solutions and bifurcations of delay-differential equations. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2005**, 347, 228-230	2.3	99
434	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
433	The simplest approach to nonlinear oscillators. *Results in Physics*, **2019**, 15, 102546	3.7	98
432	Fractional Complex Transform for Fractional Differential Equations. *Mathematical and Computational Applications*, **2010**, 15, 970-973	1	97
431	A variational principle for a thin film equation. *Journal of Mathematical Chemistry*, **2019**, 57, 2075-2081	2.1	94
430	Variational approach to -dimensional dispersive long water equations. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2005**, 335, 182-184	2.3	92
429	TAYLOR SERIES SOLUTION FOR FRACTAL BRATU-TYPE EQUATION ARISING IN ELECTROSPINNING PROCESS. *Fractals*, **2020**, 28, 2050011	3.2	92
428	Critical length of straight jet in electrospinning. *Polymer*, **2005**, 46, 12637-12640	3.9	91
427	Review on Some New Recently Developed Nonlinear Analytical Techniques. *International Journal of Nonlinear Sciences and Numerical Simulation*, **2000**, 1,	1.8	90
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425	Homotopy perturbation method for nonlinear oscillators with coordinate-dependent mass. *Results in Physics*, **2018**, 10, 270-271	3.7	86
424	Homotopy perturbation method with two expanding parameters. *Indian Journal of Physics*, **2014**, 88, 193-196	1.4	83
423	A short remark on fractional variational iteration method. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2011**, 375, 3362-3364	2.3	83
422	Homotopy perturbation method for Fangzhu oscillator. *Journal of Mathematical Chemistry*, **2020**, 58, 2245-2253	2.1	82
421	Variational principle and periodic solution of the KunduMukherjeeNaskar equation. *Results in Physics*, **2020**, 17, 103031	3.7	80
420	A FRACTAL VARIATIONAL THEORY FOR ONE-DIMENSIONAL COMPRESSIBLE FLOW IN A MICROGRAVITY SPACE. *Fractals*, **2020**, 28, 2050024	3.2	78
419	Iteration Perturbation Method for Strongly Nonlinear Oscillations. *JVC/Journal of Vibration and Control*, **2001**, 7, 631-642	2	77
418	BioMimic fabrication of electrospun nanofibers with high-throughput. *Chaos, Solitons and Fractals*, **2008**, 37, 643-651	9.3	76

399	Hybridization of homotopy perturbation method and Laplace transformation for the partial differential equations. *Thermal Science*, **2017**, 21, 1843-1846	1.2	58
398	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
397	Comment on He's frequency formulation for nonlinear oscillators. *European Journal of Physics*, **2008**, 29, L19-L22	0.8	57
396	A new iteration method for solving algebraic equations. *Applied Mathematics and Computation*, **2003**, 135, 81-84	2.7	57
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394	A new fractal derivation. *Thermal Science*, **2011**, 15, 145-147	1.2	56
393	Homotopy Perturbation Method with an Auxiliary Term. *Abstract and Applied Analysis*, **2012**, 2012, 1-7	0.7	56
392	The reducing rank method to solve third-order Duffing equation with the homotopy perturbation. *Numerical Methods for Partial Differential Equations*, **2021**, 37, 1800-1808	2.5	56
391	Controlling stability of the electrospun fiber by magnetic field. *Chaos, Solitons and Fractals*, **2007**, 32, 5-7	9.3	55
390	Mathematical models for continuous electrospun nanofibers and electrospun nanoporous microspheres. *Polymer International*, **2007**, 56, 1323-1329	3.3	55
389	FRACTAL CALCULUS AND ITS APPLICATION TO EXPLANATION OF BIOMECHANISM OF POLAR BEAR HAIRS. *Fractals*, **2018**, 26, 1850086	3.2	54
388	Approximate analytical solution of Blasius' equation. *Communications in Nonlinear Science and Numerical Simulation*, **1998**, 3, 260-263	3.7	54
387	Solution of nonlinear equations by an ancient Chinese algorithm. *Applied Mathematics and Computation*, **2004**, 151, 293-297	2.7	54
386	Coupled variational principles of piezoelectricity. *International Journal of Engineering Science*, **2001**, 39, 323-341	5.7	53
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380	Micro sphere with nanoporosity by electrospinning. *Chaos, Solitons and Fractals*, **2007**, 32, 1096-1100	9.3	49
379	Periodic property of the time-fractional Kundu–Mukherjee–Naskar equation. *Results in Physics*, **2020**, 19, 103345	3.7	49
378	A fractal modification of the surface coverage model for an electrochemical arsenic sensor. *Electrochimica Acta*, **2019**, 296, 491-493	6.7	49
377	Amplitude-Frequency Relationship for Conservative Nonlinear Oscillators with Odd Nonlinearities. *International Journal of Applied and Computational Mathematics*, **2017**, 3, 1557-1560	1.3	48
376	Variational iteration method for Bratu-like equation arising in electrospinning. *Carbohydrate Polymers*, **2014**, 105, 229-30	10.3	48
375	Non-ionic surfactants for enhancing electrospinability and for the preparation of electrospun nanofibers. *Polymer International*, **2008**, 57, 1079-1082	3.3	48
374	A generalized variational principle in micromorphic thermoelasticity. *Mechanics Research Communications*, **2005**, 32, 93-98	2.2	48
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371	FRACTAL OSCILLATION AND ITS FREQUENCY-AMPLITUDE PROPERTY. *Fractals*, **2021**, 29, 2150105	3.2	45
370	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
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365	Allometric Scaling and Instability in Electrospinning. *International Journal of Nonlinear Sciences and Numerical Simulation*, **2004**, 5,	1.8	43
364	Active generation of multiple jets for producing nanofibres with high quality and high throughput. *Materials and Design*, **2016**, 94, 496-501	8.1	42

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362　The fastest insight into the large amplitude vibration of a string. *Reports in Mechanical Engineering*, **2021**, 2, 1-5　　9.3　41

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353　Exact solutions of time-fractional heat conduction equation by the fractional complex transform. *Thermal Science*, **2012**, 16, 335-338　　1.2　37

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337	THE PRINCIPLE OF BUBBLE ELECTROSPINNING AND ITS EXPERIMENTAL VERIFICATION. *Journal of Polymer Engineering*, **2008**, 28,	1.4	34
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333	Linearized perturbation technique and its applications to strongly nonlinear oscillators. *Computers and Mathematics With Applications*, **2003**, 45, 1-8	2.7	33
332	A Nonlinear Dynamic Model for Two-Strand Yarn Spinning. *Textile Reseach Journal*, **2005**, 75, 181-184	1.7	33
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315	Improvement of air permeability of Bubbfil nanofiber membrane. *Thermal Science*, **2018**, 22, 17-21	1.2	28
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312	Variational theory for one-dimensional longitudinal beam dynamics. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2006**, 352, 276-277	2.3	27
311	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
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307	Blown bubble-spinning for fabrication of superfine fibers. *Thermal Science*, **2012**, 16, 1465-1466	1.2	26
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