

Ahmet Yildirim

List of Publications by Year in descending order

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211
papers

5,835
citations

61687

45
h-index

129628

63
g-index

211
all docs

211
docs citations

211
times ranked

2530
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamical behaviour of a tumour-immune model focusing on the dosage of targeted chemotherapeutic drug. <i>International Journal of Computer Mathematics</i> , 2022, 99, 2568-2582.	1.0	1
2	A comparative analysis of sulfate concentration via modern fractional derivatives: An industrial application to cooling system of power plant. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 541, 123306.	1.2	19
3	Biorthogonal multiwavelets on the interval for solving multidimensional fractional optimal control problems with inequality constraint. <i>Optimal Control Applications and Methods</i> , 2020, 41, 1477-1494.	1.3	14
4	Dynamics of an SAIQR influenza model of fractional order via convex incidence rate. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2020, 11, 2050033.	0.9	1
5	Fractional investigations of zoonotic visceral leishmaniasis disease with singular and non-singular kernel. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	17
6	Fractional Multi-Step Differential Transformed Method for Approximating a Fractional Stochastic SIS Epidemic Model with Imperfect Vaccination. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 973.	1.2	18
7	The Modified Fractional Power Series Method for Solving Fractional Non-isothermal Reaction-Diffusion Model Equations in a Spherical Catalyst. <i>International Journal of Applied and Computational Mathematics</i> , 2019, 5, 1.	0.9	3
8	Chaos in a calcium oscillation model via Atangana-Baleanu operator with strong memory. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	50
9	Fractional Treatment of Vibration Equation Through Modern Analogy of Fractional Differentiations Using Integral Transforms. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2019, 43, 2307-2314.	0.7	15
10	The residual power series method for the one-dimensional unsteady flow of a van der Waals gas. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 517, 188-196.	1.2	25
11	Some exact solutions to the generalized Korteweg-de Vries equation and the system of shallow water wave equations. <i>Nonlinear Analysis: Modelling and Control</i> , 2019, 18, 27-36.	1.1	6
12	Numerical solution of fractional differential equations with a Tau method based on Legendre and Bernstein polynomials. <i>Mathematical Methods in the Applied Sciences</i> , 2014, 37, 329-342.	1.2	53
13	Approximate periodic solution for nonlinear jerk equation as a third-order nonlinear equation via modified differential transform method. <i>Engineering Computations</i> , 2014, 31, 622-633.	0.7	11
14	Newton-Kantorovich Convergence Theorem of a Modified Newton's Method Under the Gamma-Condition in a Banach Space. <i>Journal of Optimization Theory and Applications</i> , 2013, 157, 651-662.	0.8	4
15	On numerical solution to fractional non-linear oscillatory equations. <i>Meccanica</i> , 2013, 48, 1201-1213.	1.2	9
16	Topological Soliton and Other Exact Solutions to KdV-Caudrey-Dodd-Gibbon Equation. <i>Results in Mathematics</i> , 2013, 63, 687-703.	0.4	20
17	New Solutions for (1+1)-Dimensional and (2+1)-Dimensional Kaup-Kupershmidt Equations. <i>Results in Mathematics</i> , 2013, 63, 675-686.	0.4	33
18	Perturbation of shallow water waves by semi-inverse variational principle. <i>Indian Journal of Physics</i> , 2013, 87, 567-569.	0.9	17

#	ARTICLE	IF	CITATIONS
19	Nonlinear dynamics of a particle on a rotating parabola via the analytic and semi-analytic approaches. Journal of the Association of Arab Universities for Basic and Applied Sciences, 2013, 13, 38-43.	1.0	4
20	Solution of linear optimal control systems by differential transform method. Neural Computing and Applications, 2013, 23, 1311-1317.	3.2	29
21	Soliton solutions to coupled nonlinear wave equations in $(2\hat{+}\hat{A}1)$ -dimensions. Indian Journal of Physics, 2013, 87, 281-287.	0.9	22
22	A generalization of the Bernoulli's method applied to brachistochrone-like problems. Applied Mathematics and Computation, 2013, 219, 6707-6718.	1.4	3
23	Homotopy Padé method for solving second-order one-dimensional telegraph equation. International Journal of Numerical Methods for Heat and Fluid Flow, 2013, 23, 1192-1203.	1.6	3
24	An effective modification of the homotopy perturbation method for MHD viscous flow over a stretching sheet. Journal of King Saud University - Science, 2013, 25, 107-113.	1.6	79
25	Analytical solutions Zakharov-Kuznetsov equations. Advanced Powder Technology, 2013, 24, 252-256.	2.0	17
26	Exploring collision-free path planning by using homotopy continuation methods. Applied Mathematics and Computation, 2013, 219, 7514-7532.	1.4	32
27	A new formula for fractional integrals of Chebyshev polynomials: Application for solving multi-term fractional differential equations. Applied Mathematical Modelling, 2013, 37, 4245-4252.	2.2	82
28	Numerical computation of eigenvalues of discontinuous Sturm-Liouville problems with parameter dependent boundary conditions using sinc method. Numerical Algorithms, 2013, 63, 27-48.	1.1	17
29	A modified homotopy perturbation method coupled with the Fourier transform for nonlinear and singular Lane-Emden equations. Applied Mathematics Letters, 2013, 26, 1018-1025.	1.5	38
30	Homotopy analysis and homotopy Padé methods for $(1+1)$ and $(2+1)$ -dimensional dispersive long wave equations. International Journal of Numerical Methods for Heat and Fluid Flow, 2013, 23, 692-706.	1.6	4
31	RATIONAL ENERGY BALANCE METHOD TO NONLINEAR OSCILLATORS WITH CUBIC TERM. Asian-European Journal of Mathematics, 2013, 06, 1350019.	0.2	19
32	Solution of the heat equation in the cast mould heterogeneous domain using a weighted algorithm based on the homotopy perturbation method. International Journal of Numerical Methods for Heat and Fluid Flow, 2013, 23, 451-459.	1.6	7
33	Numerical algorithm based on an implicit fully discrete local discontinuous Galerkin method for the time-fractional KdV-Burgers-Kuramoto equation. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2013, 93, 14-28.	0.9	20
34	Homotopy analysis method for the one-dimensional hyperbolic telegraph equation with initial conditions. International Journal of Numerical Methods for Heat and Fluid Flow, 2013, 23, 355-372.	1.6	7
35	Solution of time-fractional generalized Hirota-Satsuma coupled KdV equation by generalised differential transformation method. International Journal of Numerical Methods for Heat and Fluid Flow, 2013, 23, 927-940.	1.6	15
36	On the Analytic Solution for a Steady Magnetohydrodynamic Equation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2013, 68, 412-420.	0.7	3

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37	Sampling of Discontinuous Dirac Systems. Numerical Functional Analysis and Optimization, 2013, 34, 323-348.	0.6	13
38	Optical Soliton Perturbation with Improved Nonlinear Schrödinger's Equation in Nano Fibers. Journal of Nanoelectronics and Optoelectronics, 2013, 8, 208-220.	0.1	111
39	Approximate analysis of population dynamics with density-dependent migrations and the Allee effects. International Journal of Numerical Methods for Heat and Fluid Flow, 2012, 22, 243-250.	1.6	12
40	Nonlinear Problems: Analytical and Computational Approach with Applications. Abstract and Applied Analysis, 2012, 2012, 1-2.	0.3	0
41	Application of homotopy perturbation and numerical methods to the magneto-micropolar fluid flow in the presence of radiation. Engineering Computations, 2012, 29, 277-294.	0.7	8
42	Numerical Simulation of Fractional Fornberg-Whitham Equation by Differential Transformation Method. Abstract and Applied Analysis, 2012, 2012, 1-8.	0.3	32
43	AN EFFICIENT TECHNIQUE FOR SOLVING THE BLASZAK-MARCINIAK LATTICE BY COMBINING HOMOTOPY PERTURBATION AND PADÉ TECHNIQUES. International Journal of Computational Methods, 2012, 09, 1240024.	0.8	1
44	Poincaré-MacMillan Equations of Motion for a Nonlinear Nonholonomic Dynamical System. Chinese Physics Letters, 2012, 29, 034502.	1.3	1
45	Homotopy Perturbation Method for Heat and Mass Transfer in Magnetohydrodynamic Flow. Journal of Thermophysics and Heat Transfer, 2012, 26, 154-160.	0.9	3
46	The differential transform method and Padé approximants for a fractional population growth model. International Journal of Numerical Methods for Heat and Fluid Flow, 2012, 22, 791-802.	1.6	17
47	Analytical solution for nonlinear wave propagation in shallow media using the variational iteration method. Waves in Random and Complex Media, 2012, 22, 133-142.	1.6	20
48	Application of He's homotopy perturbation method for multi-dimensional fractional Helmholtz equation. International Journal of Numerical Methods for Heat and Fluid Flow, 2012, 22, 424-435.	1.6	19
49	Numerical Approximations to the Solution of Ray Tracing through the Crystalline Lens. Chinese Physics Letters, 2012, 29, 074202.	1.3	4
50	A Fractional Model of Gas Dynamics Equations and its Analytical Approximate Solution Using Laplace Transform. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2012, 67, 389-396.	0.7	49
51	Heat Transfer Analysis on the Magnetohydrodynamic Flow of a Non-Newtonian Fluid in the Presence of Thermal Radiation: An Analytic Solution. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2012, 67, 147-152.	0.7	18
52	Transient and DC approximate expressions for diode circuits. IEICE Electronics Express, 2012, 9, 522-530.	0.3	10
53	Application of Differential Transformation Method for Numerical Computation of Regularized LongWave Equation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2012, 67, 160-166.	0.7	8
54	A Jacobi elliptic function method for nonlinear arrays of vortices. Indian Journal of Physics, 2012, 86, 1107-1113.	0.9	11

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55	Determinant solutions to a (3+1)-dimensional generalized KP equation with variable coefficients. Chinese Annals of Mathematics Series B, 2012, 33, 641-650.	0.2	11
56	Exact traveling wave solutions of perturbed nonlinear Schrödinger's equation (NLSE) with Kerr law nonlinearity. Optik, 2012, 123, 2250-2253.	1.4	16
57	Approximate analytical solution to time fractional nonlinear evolution equations. International Journal of Numerical Methods for Heat and Fluid Flow, 2012, 22, 829-838.	1.6	21
58	Numerical computation of the eigenvalues of a discontinuous Dirac system using the sinc method with error analysis. International Journal of Computer Mathematics, 2012, 89, 2061-2080.	1.0	13
59	Dynamic Analysis of Vibrating Systems with Nonlinearities. Communications in Theoretical Physics, 2012, 57, 183-187.	1.1	33
60	Homotopy analysis method for space and time fractional KdV equation. International Journal of Numerical Methods for Heat and Fluid Flow, 2012, 22, 928-941.	1.6	29
61	Solution of the MHD Falkner-Skan flow by Adomian decomposition method and Padé approximants. International Journal of Numerical Methods for Heat and Fluid Flow, 2012, 22, 1010-1020.	1.6	5
62	Numerical solution of time fraction modified equal width wave equation. Engineering Computations, 2012, 29, 766-777.	0.7	6
63	Rational approximation solution of the foam drainage equation with time and space fractional derivatives. International Journal of Numerical Methods for Heat and Fluid Flow, 2012, 22, 512-525.	1.6	7
64	On the Hybrid of Fourier Transform and Adomian Decomposition Method for the Solution of Nonlinear Cauchy Problems of the Reaction-Diffusion Equation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2012, 67, 355-362.	0.7	19
65	A new fractional analytical approach via a modified Riemann-Liouville derivative. Applied Mathematics Letters, 2012, 25, 1340-1346.	1.5	48
66	A relationship between three analytical approaches to nonlinear problems. Applied Mathematics Letters, 2012, 25, 1729-1733.	1.5	28
67	A numerical study based on an implicit fully discrete local discontinuous Galerkin method for the time-fractional coupled Schrödinger system. Computers and Mathematics With Applications, 2012, 64, 2603-2615.	1.4	61
68	Reliable analysis for delay differential equations arising in mathematical biology. Journal of King Saud University - Science, 2012, 24, 359-365.	1.6	4
69	Exp-function method for solitary and periodic solutions of Fitzhugh-Nagumo equation. International Journal of Numerical Methods for Heat and Fluid Flow, 2012, 22, 335-341.	1.6	54
70	A fractional model of the diffusion equation and its analytical solution using Laplace transform. Scientia Iranica, 2012, 19, 1117-1123.	0.3	58
71	Chaotic systems via multi-step differential transformation method. Canadian Journal of Physics, 2012, 90, 391-406.	0.4	12
72	Application of homotopy perturbation and numerical methods to the circular porous slider. International Journal of Numerical Methods for Heat and Fluid Flow, 2012, 22, 705-717.	1.6	10

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73	The modified algorithm for the differential transform method to solution of Genesio systems. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 45-51.	1.7	52
74	A mathematical modeling arising in the chemical systems and its approximate numerical solution. Asia-Pacific Journal of Chemical Engineering, 2012, 7, 835-840.	0.8	30
75	An algorithm for solving the fractional vibration equation. Computational Mathematics and Modeling, 2012, 23, 228-237.	0.2	27
76	Shortest hop multipath algorithm for wireless sensor networks. Computers and Mathematics With Applications, 2012, 63, 48-59.	1.4	31
77	Variational iteration method for the time-fractional Fornberg's Whitham equation. Computers and Mathematics With Applications, 2012, 63, 1382-1388.	1.4	58
78	Analysis of differential equations of fractional order. Applied Mathematical Modelling, 2012, 36, 4356-4364.	2.2	18
79	A collocation approach for solving high-order linear Fredholm's Volterra integro-differential equations. Mathematical and Computer Modelling, 2012, 55, 547-563.	2.0	25
80	Adaptive multi-step differential transformation method to solving nonlinear differential equations. Mathematical and Computer Modelling, 2012, 55, 761-769.	2.0	40
81	Coupling of homotopy perturbation and modified Lindstedt's Poincaré methods for traveling wave solutions of the nonlinear Klein-Gordon equation. Journal of King Saud University - Science, 2012, 24, 187-191.	1.6	6
82	Travelling waves solution for MHD aligned flow of a second grade fluid with heat transfer: A symmetry independent approach. Journal of King Saud University - Science, 2012, 24, 63-67.	1.6	6
83	Analytical Solution of Second-Order Hyperbolic Telegraph Equation by Variational Iteration and Homotopy Perturbation Methods. Results in Mathematics, 2012, 61, 13-28.	0.4	20
84	A multistage differential transformation method for approximate solution of Hantavirus infection model. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 1-8.	1.7	40
85	1-Soliton Solution of the Generalized Resonant Nonlinear Dispersive Schrödinger's Equation with Time-Dependent Coefficients. Advanced Science Letters, 2012, 16, 309-312.	0.2	34
86	New exact traveling wave solutions for DS-I and DS-II equations. Nonlinear Analysis: Modelling and Control, 2012, 17, 369-378.	1.1	13
87	ANALYTICAL SOLUTION OF MHD STAGNATION-POINT FLOW IN POROUS MEDIA BY MEANS OF THE HOMOTOPY PERTURBATION METHOD. Journal of Porous Media, 2012, 15, 83-94.	1.0	6
88	Numerical soliton solutions of improved Boussinesq equation. International Journal of Numerical Methods for Heat and Fluid Flow, 2011, 21, 822-827.	1.6	46
89	A New Approach to Van der Pol's Oscillator Problem. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2011, 66, 620-624.	0.7	26
90	He's homotopy perturbation method for solving the fractional KdV-Burgers-Kuramoto equation. International Journal of Numerical Methods for Heat and Fluid Flow, 2011, 21, 448-458.	1.6	22

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91	A new modified homotopy perturbation method with two free auxiliary parameters for solving MHD viscous flow due to a shrinking sheet. <i>Engineering Computations</i> , 2011, 28, 528-539.	0.7	14
92	A Series Solution of the Long Porous Slider. <i>Tribology Transactions</i> , 2011, 54, 187-191.	1.1	23
93	Numerical soliton solution of the Kaup-Kupershmidt equation. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2011, 21, 272-281.	1.6	52
94	Numerical Solutions of Systems of High-Order Linear Differential-Difference Equations with Bessel Polynomial Bases. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2011, 66, 519-532.	0.7	2
95	Numerical Approximations to Solution of Biochemical Reaction Model. <i>International Journal of Chemical Reactor Engineering</i> , 2011, 9, .	0.6	0
96	Analytical solution of wave system in R^n with coupling controllers. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2011, 21, 198-205.	1.6	35
97	Similarity and Boubaker Polynomials Expansion Scheme (BPES) comparative solutions to the heat transfer equation for incompressible non-Newtonian fluids: case of laminar boundary energy equation. <i>EPJ Applied Physics</i> , 2011, 55, 21102.	0.3	8
98	Analysis of Fractional Nonlinear Differential Equations Using the Homotopy Perturbation Method. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2011, 66, 87-92.	0.7	3
99	A second attempt to establish an analytical expression to steam-water dipole orientation parameter using the Boubaker polynomials expansion scheme. <i>Journal of Structural Chemistry</i> , 2011, 52, 106-110.	0.3	2
100	Solving a fractional order model of HIV infection of CD4+ T cells. <i>Mathematical and Computer Modelling</i> , 2011, 54, 2132-2138.	2.0	57
101	Fractional variational iteration method via modified Riemann-Liouville derivative. <i>Journal of King Saud University - Science</i> , 2011, 23, 413-417.	1.6	59
102	Fractional variational iteration method for fractional initial-boundary value problems arising in the application of nonlinear science. <i>Computers and Mathematics With Applications</i> , 2011, 62, 2273-2278.	1.4	50
103	Approximate periodic solutions for the Helmholtz-Duffing equation. <i>Computers and Mathematics With Applications</i> , 2011, 62, 3894-3901.	1.4	39
104	A range-free method to determine Antoine vapor-pressure heat transfer-related equation coefficients using the Boubaker polynomial expansion scheme. <i>Russian Journal of Physical Chemistry A</i> , 2011, 85, 900-902.	0.1	3
105	On the coupling of the homotopy perturbation method and Laplace transformation. <i>Mathematical and Computer Modelling</i> , 2011, 53, 1937-1945.	2.0	127
106	An approximate analytical solution of time-fractional telegraph equation. <i>Applied Mathematics and Computation</i> , 2011, 217, 7405-7411.	1.4	48
107	Analytical expression to temperature-dependent Kirkwood-Fröhlich dipole orientation parameter using the Boubaker Polynomials Expansion Scheme (BPES). <i>Indian Journal of Physics</i> , 2011, 85, 311-317.	0.9	3
108	Solution to the MHD flow over a non-linear stretching sheet by homotopy perturbation method. <i>Science China: Physics, Mechanics and Astronomy</i> , 2011, 54, 342-345.	2.0	26

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109	An efficient numerical method for solving coupled Burgers' equation by combining homotopy perturbation and pade techniques. Numerical Methods for Partial Differential Equations, 2011, 27, 982-995.	2.0	13
110	Homotopy perturbation method to obtain new solitary solutions with compact support for Boussinesq-like $(2+1)$ equations with fully nonlinear dispersion. International Journal for Numerical Methods in Fluids, 2011, 65, 699-706.	0.9	0
111	Analytical approach to Boussinesq equation with space and time fractional derivatives. International Journal for Numerical Methods in Fluids, 2011, 66, 1315-1324.	0.9	10
112	Numerical solution of the system of nonlinear ordinary differential equations arising in kinetic modeling of lactic acid fermentation and epidemic model. International Journal for Numerical Methods in Biomedical Engineering, 2011, 27, 585-594.	1.0	5
113	The homotopy perturbation method for solving the linear and the nonlinear Goursat problems. International Journal for Numerical Methods in Biomedical Engineering, 2011, 27, 1139-1148.	1.0	0
114	Series solution of a nonlinear ODE arising in magnetohydrodynamic by HPM-Padé technique. Computers and Mathematics With Applications, 2011, 61, 1676-1681.	1.4	21
115	The effects of variable viscosity and thermal conductivity on a thin film flow over a shrinking/stretching sheet. Computers and Mathematics With Applications, 2011, 61, 3391-3399.	1.4	129
116	On the numerical solution of the model for HIV infection of CD4+ T cells. Computers and Mathematics With Applications, 2011, 62, 118-123.	1.4	72
117	Analysis of nonlinear oscillations of a punctual charge in the electric field of a charged ring via a Hamiltonian approach and the energy balance method. Computers and Mathematics With Applications, 2011, 62, 486-490.	1.4	35
118	New soliton solutions of the generalized Zakharov equations using Heun's variational approach. Applied Mathematics Letters, 2011, 24, 965-968.	1.5	57
119	Higher order approximate periodic solutions for nonlinear oscillators with the Hamiltonian approach. Applied Mathematics Letters, 2011, 24, 2042-2051.	1.5	35
120	The Comparative Boubaker Polynomials Expansion Scheme (BPES) and Homotopy Perturbation Method (HPM) for solving a standard nonlinear second-order boundary value problem. Mathematical and Computer Modelling, 2011, 54, 417-422.	2.0	13
121	Application of the Hamiltonian approach to nonlinear oscillators with rational and irrational elastic terms. Mathematical and Computer Modelling, 2011, 54, 697-703.	2.0	31
122	On two-dimensional diffusion with integral condition. Journal of King Saud University - Science, 2011, 23, 121-125.	1.6	3
123	A software for the one-dimensional cutting stock problem. Journal of King Saud University - Science, 2011, 23, 69-76.	1.6	15
124	Analytical approach to two-dimensional viscous flow with a shrinking sheet via variational iteration algorithm-II. Journal of King Saud University - Science, 2011, 23, 77-81.	1.6	34
125	Series solution of the Smoluchowski's coagulation equation. Journal of King Saud University - Science, 2011, 23, 183-189.	1.6	10
126	Numerical comparison for the solutions of anharmonic vibration of fractionally damped nano-sized oscillator. Journal of King Saud University - Science, 2011, 23, 205-209.	1.6	6

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127	Differential transform method for solving singularly perturbed Volterra integral equations. Journal of King Saud University - Science, 2011, 23, 223-228.	1.6	11
128	AN ANALYTICAL APPROACH TO TRANSMISSION DYNAMICS OF INFECTIOUS DISEASES WITH WANING IMMUNITY. Journal of Mechanics in Medicine and Biology, 2011, 11, 929-940.	0.3	2
129	A Numerical Algorithm for Solving Nonlinear Delay Volterra Integral Equations by Means of Homotopy Perturbation Method. International Journal of Nonlinear Sciences and Numerical Simulation, 2011, 12, 15-21.	0.4	2
130	An efficient algorithm for solving nonlinear age-structured population models by combining homotopy perturbation and Padé techniques. International Journal of Computer Mathematics, 2011, 88, 491-500.	1.0	10
131	NUMERICAL SOLUTIONS OF WAVE EQUATIONS SUBJECT TO AN INTEGRAL CONSERVATION CONDITION BY HE'S HOMOTOPY PERTURBATION METHOD. International Journal of Modern Physics B, 2011, 25, 4457-4469.	1.0	2
132	Three-Dimensional Flow Arising in the Long Porous Slider: An Analytic Solution. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2011, 66, 507-511.	0.7	11
133	Exact solutions to the perturbed nonlinear Schrödinger's equation with Kerr law nonlinearity by using the first integral method. Nonlinear Analysis: Modelling and Control, 2011, 16, 332-339.	1.1	28
134	Homotopy perturbation method for numerical solutions of KdV-Burgers' and Lax's seventh-order KdV equations. Numerical Methods for Partial Differential Equations, 2010, 26, 1040-1053.	2.0	1
135	Homotopy perturbation method for the nonlinear dispersive K(m, n, 1) equations with fractional time derivatives. International Journal of Numerical Methods for Heat and Fluid Flow, 2010, 20, 174-185.	1.6	21
136	Variational Iteration Method for Delay Differential Equations Using He's Polynomials. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 1045-1048.	0.7	10
137	Non-Perturbative Solution of the Magnetohydrodynamic Flow over a Nonlinear Stretching Sheet by Homotopy Perturbation Method-Padé Technique. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 1106-1110.	0.7	13
138	Numerical Solutions of Fourth-Order Fractional Integro-Differential Equations. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 1027-1032.	0.7	2
139	Application of He's Variational Iteration Method to Nonlinear Integro-Differential Equations. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 418-430.	0.7	3
140	Homotopy Perturbation Method for One-Dimensional Hyperbolic Equation with Integral Conditions. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 1077-1080.	0.7	4
141	The application of homotopy perturbation method for MHD flows of UCM fluids above porous stretching sheets. Computers and Mathematics With Applications, 2010, 59, 3328-3337.	1.4	81
142	Application of the exp-function method for solving nonlinear reaction-diffusion equations arising in mathematical biology. Computers and Mathematics With Applications, 2010, 60, 1873-1880.	1.4	51
143	Determination of periodic solutions for nonlinear oscillators with fractional powers by He's modified Lindstedt-Poincaré method. Meccanica, 2010, 45, 1-6.	1.2	27
144	Comparison between variational iteration method and homotopy perturbation method for linear and nonlinear partial differential equations with the nonhomogeneous initial conditions. Numerical Methods for Partial Differential Equations, 2010, 26, 1581-1593.	2.0	3

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145	Variational iteration method for modified Camassa-Holm and Degasperis-Procesi equations. International Journal for Numerical Methods in Biomedical Engineering, 2010, 26, 266-272.	1.0	28
146	Application of the homotopy perturbation method for the Fokker-Planck equation. International Journal for Numerical Methods in Biomedical Engineering, 2010, 26, 1144-1154.	1.0	36
147	Variational iteration method for inverse problem of diffusion equation. International Journal for Numerical Methods in Biomedical Engineering, 2010, 26, 1713-1720.	1.0	8
148	A numerical treatment for the solution of the hydromagnetic peristaltic flow of a biofluid with variable viscosity in a circular cylindrical tube. International Journal for Numerical Methods in Biomedical Engineering, 2010, 26, 1503-1514.	1.0	4
149	Reliable analysis for the nonlinear fractional calculus model of the semilunar heart valve vibrations. International Journal for Numerical Methods in Biomedical Engineering, 2010, 26, 1515-1521.	1.0	1
150	Non-perturbative solution of three-dimensional Navier-Stokes equations for the flow near an infinite rotating disk. Mathematical Methods in the Applied Sciences, 2010, 33, 1298-1305.	1.2	4
151	Traveling wave solutions of Whitham-Broer-Kaup equations by homotopy perturbation method. Journal of King Saud University - Science, 2010, 22, 173-176.	1.6	29
152	A variational approach for soliton solutions of good Boussinesq equation. Journal of King Saud University - Science, 2010, 22, 205-208.	1.6	11
153	Analytical solution of Volterra's population model. Journal of King Saud University - Science, 2010, 22, 247-250.	1.6	18
154	Analytical approach to Fokker-Planck equation with space- and time-fractional derivatives by means of the homotopy perturbation method. Journal of King Saud University - Science, 2010, 22, 257-264.	1.6	51
155	Exact solitary-wave solutions for the nonlinear dispersive K(2,2,1) and K(3,3,1) equations. Journal of King Saud University - Science, 2010, 22, 269-274.	1.6	1
156	Effects of partial slip on the peristaltic flow of a MHD Newtonian fluid in an asymmetric channel. Mathematical and Computer Modelling, 2010, 52, 618-625.	2.0	71
157	Analytical solutions to the pulsed Klein-Gordon equation using Modified Variational Iteration Method (MVIM) and Boubaker Polynomials Expansion Scheme (BPES). Computers and Mathematics With Applications, 2010, 59, 2473-2477.	1.4	71
158	Analytical Approach to (2+1)-Dimensional Boussinesq Equation and (3+1)-Dimensional Kadomtsev-Petviashvili Equation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 411-417.	0.7	3
159	Variational Iteration Method for the Hirota-Satsuma Model Using He's Polynomials. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2010, 65, 525-528.	0.7	8
160	Variational Iteration Method for Initial and Boundary Value Problems Using He's Polynomials. International Journal of Differential Equations, 2010, 2010, 1-28.	0.3	9
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