

Ahmet Yildirim

List of Publications by Year in descending order

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211
papers

5,835
citations

53751

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211
all docs

211
docs citations

211
times ranked

2181
citing authors

#	ARTICLE	IF	CITATIONS
1	Solutions of singular IVPs of Lane–Emden type by homotopy perturbation method. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 369, 70-76.	0.9	174
2	A Comparative Study of He's Homotopy Perturbation Method for Determining Frequency-amplitude Relation of a Nonlinear Oscillator with Discontinuities. International Journal of Nonlinear Sciences and Numerical Simulation, 2007, 8, 243-248.	0.4	148
3	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
4	On the coupling of the homotopy perturbation method and Laplace transformation. Mathematical and Computer Modelling, 2011, 53, 1937-1945.	2.0	127
5	Solutions of singular IVPs of Lane–Emden type by the variational iteration method. Nonlinear Analysis: Theory, Methods & Applications, 2009, 70, 2480-2484.	0.6	124
6	Optical Soliton Perturbation with Improved Nonlinear Schrödinger's Equation in Nano Fibers. Journal of Nanoelectronics and Optoelectronics, 2013, 8, 208-220.	0.1	111
7	Solution of BVPs for fourth-order integro-differential equations by using homotopy perturbation method. Computers and Mathematics With Applications, 2008, 56, 3175-3180.	1.4	108
8	Determination of periodic solution for a $u^{1/3}$ force by He's modified Lindstedt–Poincaré method. Journal of Sound and Vibration, 2007, 301, 415-419.	2.1	103
9	Homotopy perturbation method for solving the space–time fractional advection–dispersion equation. Advances in Water Resources, 2009, 32, 1711-1716.	1.7	96
10	A note on He's homotopy perturbation method for van der Pol oscillator with very strong nonlinearity. Chaos, Solitons and Fractals, 2007, 34, 989-991.	2.5	86
11	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
12	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
13	Traveling Wave Solution of Korteweg-de Vries Equation using He's Homotopy Perturbation Method. International Journal of Nonlinear Sciences and Numerical Simulation, 2007, 8, .	0.4	80
14	An Algorithm for Solving the Fractional Nonlinear Schrödinger Equation by Means of the Homotopy Perturbation Method. International Journal of Nonlinear Sciences and Numerical Simulation, 2009, 10, .	0.4	80
15	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
16	Determination of the frequency–amplitude relation for a Duffing-harmonic oscillator by the energy balance method. Computers and Mathematics With Applications, 2007, 54, 1184-1187.	1.4	74
17	He's homotopy perturbation method for solving the space- and time-fractional telegraph equations. International Journal of Computer Mathematics, 2010, 87, 2998-3006.	1.0	74
18	A study of nonlinear oscillators with $u^{1/3}$ force by He's variational iteration method. Journal of Sound and Vibration, 2007, 306, 372-376.	2.1	72

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19	Application of He's semi-inverse method to the nonlinear Schrödinger equation. Computers and Mathematics With Applications, 2007, 54, 1039-1042.	1.4	72
20	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
21	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
22	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
23	Application of He's homotopy perturbation method for solving the Cauchy reaction-diffusion problem. Computers and Mathematics With Applications, 2009, 57, 612-618.	1.4	64
24	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
25	Fractional variational iteration method via modified Riemann-Liouville derivative. Journal of King Saud University - Science, 2011, 23, 413-417.	1.6	59
26	A fractional model of the diffusion equation and its analytical solution using Laplace transform. Scientia Iranica, 2012, 19, 1117-1123.	0.3	58
27	Variational iteration method for the time-fractional Fornberg-Whitham equation. Computers and Mathematics With Applications, 2012, 63, 1382-1388.	1.4	58
28	Solving a fractional order model of HIV infection of CD4+ T cells. Mathematical and Computer Modelling, 2011, 54, 2132-2138.	2.0	57
29	New soliton solutions of the generalized Zakharov equations using He's variational approach. Applied Mathematics Letters, 2011, 24, 965-968.	1.5	57
30	Analytical approximate solutions of the fractional convection-diffusion equation with nonlinear source term by He's homotopy perturbation method. International Journal of Computer Mathematics, 2010, 87, 1057-1065.	1.0	55
31	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
32	Analytical approach to fractional partial differential equations in fluid mechanics by means of the homotopy perturbation method. International Journal of Numerical Methods for Heat and Fluid Flow, 2010, 20, 186-200.	1.6	53
33	Numerical solution of fractional differential equations with a Tau method based on Legendre and Bernstein polynomials. Mathematical Methods in the Applied Sciences, 2014, 37, 329-342.	1.2	53
34	Numerical soliton solution of the Kaup-Kupershmidt equation. International Journal of Numerical Methods for Heat and Fluid Flow, 2011, 21, 272-281.	1.6	52
35	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
36	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

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37	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
38	Fractional variational iteration method for fractional initial-boundary value problems arising in the application of nonlinear science. Computers and Mathematics With Applications, 2011, 62, 2273-2278.	1.4	50
39	Chaos in a calcium oscillation model via Atangana-Baleanu operator with strong memory. European Physical Journal Plus, 2019, 134, 1.	1.2	50
40	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
41	An approximate analytical solution of time-fractional telegraph equation. Applied Mathematics and Computation, 2011, 217, 7405-7411.	1.4	48
42	A new fractional analytical approach via a modified Riemann-Liouville derivative. Applied Mathematics Letters, 2012, 25, 1340-1346.	1.5	48
43	Analytical Approach to Fractional Zakharov-Kuznetsov Equations by He's Homotopy Perturbation Method. Communications in Theoretical Physics, 2010, 53, 1005-1010.	1.1	47
44	Comparison between Adomian's method and He's homotopy perturbation method. Computers and Mathematics With Applications, 2008, 56, 1216-1224.	1.4	46
45	He's homotopy perturbation method for nonlinear differential-difference equations. International Journal of Computer Mathematics, 2010, 87, 992-996.	1.0	46
46	Numerical soliton solutions of improved Boussinesq equation. International Journal of Numerical Methods for Heat and Fluid Flow, 2011, 21, 822-827.	1.6	46
47	Analytical approximate solution of a SIR epidemic model with constant vaccination strategy by homotopy perturbation method. Kybernetes, 2009, 38, 1566-1575.	1.2	44
48	Adaptive multi-step differential transformation method to solving nonlinear differential equations. Mathematical and Computer Modelling, 2012, 55, 761-769.	2.0	40
49	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
50	Approximate periodic solutions for the Helmholtz-Duffing equation. Computers and Mathematics With Applications, 2011, 62, 3894-3901.	1.4	39
51	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
52	The Homotopy Perturbation Method for Solving the Modified Korteweg-de Vries Equation. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2008, 63, 621-626.	0.7	37
53	Exact Solutions of Nonlinear Differential-difference Equations by He's Homotopy Perturbation Method. International Journal of Nonlinear Sciences and Numerical Simulation, 2008, 9, .	0.4	36
54	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

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55	Analytical Approach to Space- and Time-Fractional Burgers Equations. Chinese Physics Letters, 2010, 27, 090501.	1.3	36
56	Analytical solution of wave system in R^n with coupling controllers. International Journal of Numerical Methods for Heat and Fluid Flow, 2011, 21, 198-205.	1.6	35
57	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
58	Higher order approximate periodic solutions for nonlinear oscillators with the Hamiltonian approach. Applied Mathematics Letters, 2011, 24, 2042-2051.	1.5	35
59	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
60	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
61	Homotopy perturbation method for the mixed Volterra-Fredholm integral equations. Chaos, Solitons and Fractals, 2009, 42, 2760-2764.	2.5	33
62	Dynamic Analysis of Vibrating Systems with Nonlinearities. Communications in Theoretical Physics, 2012, 57, 183-187.	1.1	33
63	New Solutions for (1+1)-Dimensional and (2+1)-Dimensional Kaup-Kupershmidt Equations. Results in Mathematics, 2013, 63, 675-686.	0.4	33
64	Numerical Simulation of Fractional Fornberg-Whitham Equation by Differential Transformation Method. Abstract and Applied Analysis, 2012, 2012, 1-8.	0.3	32
65	Exploring collision-free path planning by using homotopy continuation methods. Applied Mathematics and Computation, 2013, 219, 7514-7532.	1.4	32
66	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
67	Shortest hop multipath algorithm for wireless sensor networks. Computers and Mathematics With Applications, 2012, 63, 48-59.	1.4	31
68	Generating the periodic solutions for forcing van der Pol oscillators by the Iteration Perturbation method. Nonlinear Analysis: Real World Applications, 2009, 10, 1984-1989.	0.9	30
69	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
70	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
71	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
72	Solution of linear optimal control systems by differential transform method. Neural Computing and Applications, 2013, 23, 1311-1317.	3.2	29

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73	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
74	A relationship between three analytical approaches to nonlinear problems. Applied Mathematics Letters, 2012, 25, 1729-1733.	1.5	28
75	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
76	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
77	Homotopy perturbation method for numerical solutions of coupled Burgers equations with time and space-fractional derivatives. International Journal of Numerical Methods for Heat and Fluid Flow, 2010, 20, 897-909.	1.6	27
78	An algorithm for solving the fractional vibration equation. Computational Mathematics and Modeling, 2012, 23, 228-237.	0.2	27
79	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
80	Solution to the MHD flow over a non-linear stretching sheet by homotopy perturbation method. Science China: Physics, Mechanics and Astronomy, 2011, 54, 342-345.	2.0	26
81	Applying He's Variational Iteration Method for Solving Differential-Difference Equation. Mathematical Problems in Engineering, 2008, 2008, 1-7.	0.6	25
82	A collocation approach for solving high-order linear Fredholm-Volterra integro-differential equations. Mathematical and Computer Modelling, 2012, 55, 547-563.	2.0	25
83	The residual power series method for the one-dimensional unsteady flow of a van der Waals gas. Physica A: Statistical Mechanics and Its Applications, 2019, 517, 188-196.	1.2	25
84	Analytical Solutions for Autonomous Conservative Nonlinear Oscillator. International Journal of Nonlinear Sciences and Numerical Simulation, 2010, 11, .	0.4	24
85	A Series Solution of the Long Porous Slider. Tribology Transactions, 2011, 54, 187-191.	1.1	23
86	Numerical solution of 3D Green's function for the dynamic system of anisotropic elasticity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 3145-3150.	0.9	22
87	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
88	Soliton solutions to coupled nonlinear wave equations in $(2\hat{+}\hat{1})$ -dimensions. Indian Journal of Physics, 2013, 87, 281-287.	0.9	22
89	Determination of limit cycles by a modified straightforward expansion for nonlinear oscillators. Chaos, Solitons and Fractals, 2007, 32, 445-448.	2.5	21
90	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

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91	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
92	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
93	Reliable analysis for obtaining exact soliton solutions of nonlinear Schrödinger (NLS) equation. Chaos, Solitons and Fractals, 2008, 38, 209-212.	2.5	20
94	On the solution of the nonlinear Korteweg-de Vries equation by the homotopy perturbation method. Communications in Numerical Methods in Engineering, 2009, 25, 1127-1136.	1.3	20
95	Application of variational iteration method to fractional initial-value problems. International Journal of Nonlinear Sciences and Numerical Simulation, 2009, 10, .	0.4	20
96	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
97	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
98	Topological Soliton and Other Exact Solutions to KdV-Caudrey-Dodd-Gibbon Equation. Results in Mathematics, 2013, 63, 687-703.	0.4	20
99	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
100	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
101	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
102	RATIONAL ENERGY BALANCE METHOD TO NONLINEAR OSCILLATORS WITH CUBIC TERM. Asian-European Journal of Mathematics, 2013, 06, 1350019.	0.2	19
103	A comparative analysis of sulfate concentration via modern fractional derivatives: An industrial application to cooling system of power plant. Physics A: Statistical Mechanics and its Applications, 2020, 541, 123306.	1.2	19
104	He's homotopy perturbation method for solving the shock wave equation. Applicable Analysis, 2009, 88, 997-1004.	0.6	18
105	Analytical solution of Volterra's population model. Journal of King Saud University - Science, 2010, 22, 247-250.	1.6	18
106	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
107	Analysis of differential equations of fractional order. Applied Mathematical Modelling, 2012, 36, 4356-4364.	2.2	18
108	Fractional Multi-Step Differential Transformed Method for Approximating a Fractional Stochastic SIS Epidemic Model with Imperfect Vaccination. International Journal of Environmental Research and Public Health, 2019, 16, 973.	1.2	18

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109	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
110	Perturbation of shallow water waves by semi-inverse variational principle. Indian Journal of Physics, 2013, 87, 567-569.	0.9	17
111	Analytical solutions Zakharov-Kuznetsov equations. Advanced Powder Technology, 2013, 24, 252-256.	2.0	17
112	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
113	Fractional investigations of zoonotic visceral leishmaniasis disease with singular and non-singular kernel. European Physical Journal Plus, 2019, 134, 1.	1.2	17
114	Periodic Solutions for the Generalized Nonlinear Oscillators containing Fraction Order Elastic Force. International Journal of Nonlinear Sciences and Numerical Simulation, 2010, 11, .	0.4	16
115	Exact traveling wave solutions of perturbed nonlinear Schrödinger's equation (NLSE) with Kerr law nonlinearity. Optik, 2012, 123, 2250-2253.	1.4	16
116	A software for the one-dimensional cutting stock problem. Journal of King Saud University - Science, 2011, 23, 69-76.	1.6	15
117	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
118	Fractional Treatment of Vibration Equation Through Modern Analogy of Fractional Differentiations Using Integral Transforms. Iranian Journal of Science and Technology, Transaction A: Science, 2019, 43, 2307-2314.	0.7	15
119	Series solution for a delay differential equation arising in electrodynamics. Communications in Numerical Methods in Engineering, 2009, 25, 1084-1096.	1.3	14
120	Numerical Solution of the Three-Dimensional Helmholtz Equation. Chinese Physics Letters, 2010, 27, 060201.	1.3	14
121	Modified Variational Iteration Method for Free-Convective Boundary-Layer Equation Using Padé Approximation. Mathematical Problems in Engineering, 2010, 2010, 1-11.	0.6	14
122	A new modified homotopy perturbation method with two free auxiliary parameters for solving MHD viscous flow due to a shrinking sheet. Engineering Computations, 2011, 28, 528-539.	0.7	14
123	Biorthogonal multiwavelets on the interval for solving multidimensional fractional optimal control problems with inequality constraint. Optimal Control Applications and Methods, 2020, 41, 1477-1494.	1.3	14
124	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
125	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
126	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

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127	Numerical computation of the eigenvalues of a discontinuous Dirac system using the sinc method with error analysis. <i>International Journal of Computer Mathematics</i> , 2012, 89, 2061-2080.	1.0	13
128	Sampling of Discontinuous Dirac Systems. <i>Numerical Functional Analysis and Optimization</i> , 2013, 34, 323-348.	0.6	13
129	New exact traveling wave solutions for DS-I and DS-II equations. <i>Nonlinear Analysis: Modelling and Control</i> , 2012, 17, 369-378.	1.1	13
130	Homotopy perturbation method to obtain exact special solutions with solitary patterns for Boussinesq-like (m, n) equations with fully nonlinear dispersion. <i>Journal of Mathematical Physics</i> , 2009, 50, .	0.5	12
131	Approximate analysis of population dynamics with density-dependent migrations and the Allee effects. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2012, 22, 243-250.	1.6	12
132	Chaotic systems via multi-step differential transformation method. <i>Canadian Journal of Physics</i> , 2012, 90, 391-406.	0.4	12
133	The Homotopy Perturbation Method for Solving Singular Initial Value Problems. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2009, 10, .	0.4	11
134	A variational approach for soliton solutions of good Boussinesq equation. <i>Journal of King Saud University - Science</i> , 2010, 22, 205-208.	1.6	11
135	Analytical Approach to a Slowly Deforming Channel Flow with Weak Permeability. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2010, 65, 1033-1038.	0.7	11
136	Differential transform method for solving singularly perturbed Volterra integral equations. <i>Journal of King Saud University - Science</i> , 2011, 23, 223-228.	1.6	11
137	Three-Dimensional Flow Arising in the Long Porous Slider: An Analytic Solution. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2011, 66, 507-511.	0.7	11
138	A Jacobi elliptic function method for nonlinear arrays of vortices. <i>Indian Journal of Physics</i> , 2012, 86, 1107-1113.	0.9	11
139	Determinant solutions to a (3+1)-dimensional generalized KP equation with variable coefficients. <i>Chinese Annals of Mathematics Series B</i> , 2012, 33, 641-650.	0.2	11
140	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
141	Numerical solution to the van der Pol equation with fractional damping. <i>Physica Scripta</i> , 2009, T136, 014034.	1.2	10
142	Variational Iteration Method for Delay Differential Equations Using Heâ€™s Polynomials. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2010, 65, 1045-1048.	0.7	10
143	Series solutions of a fractional oscillator by means of the homotopy perturbation method. <i>International Journal of Computer Mathematics</i> , 2010, 87, 1072-1082.	1.0	10
144	Analytical Solution of Linear and Non-Linear Space-Time Fractional Reaction-Diffusion Equations. <i>International Journal of Chemical Reactor Engineering</i> , 2010, 8, .	0.6	10

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145	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
146	Series solution of the Smoluchowski's coagulation equation. Journal of King Saud University - Science, 2011, 23, 183-189.	1.6	10
147	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
148	Transient and DC approximate expressions for diode circuits. IEICE Electronics Express, 2012, 9, 522-530.	0.3	10
149	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
150	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
151	On numerical solution to fractional non-linear oscillatory equations. Meccanica, 2013, 48, 1201-1213.	1.2	9
152	Variational iteration method for inverse problem of diffusion equation. International Journal for Numerical Methods in Biomedical Engineering, 2010, 26, 1713-1720.	1.0	8
153	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
154	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. EPJ Applied Physics, 2011, 55, 21102.	0.3	8
155	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
156	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
157	Ma's Variation of Parameters Method for Fisher's Equations. Advances in Applied Mathematics and Mechanics, 2010, 2, 379-388.	0.7	8
158	Applications of variational iteration and homotopy perturbation methods to obtain exact solutions for time fractional diffusion-wave equations. International Journal of Numerical Methods for Heat and Fluid Flow, 2010, 20, 638-654.	1.6	7
159	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
160	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
161	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
162	Solving Nonlinear Boundary Value Problems Using He's Polynomials and Padé Approximants. Mathematical Problems in Engineering, 2009, 2009, 1-17.	0.6	6

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163	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
164	Numerical solution of time-fraction modified equal width wave equation. Engineering Computations, 2012, 29, 766-777.	0.7	6
165	Coupling of homotopy perturbation and modified Lindstedt-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
166	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
167	Some exact solutions to the generalized Korteweg-de Vries equation and the system of shallow water wave equations. Nonlinear Analysis: Modelling and Control, 2019, 18, 27-36.	1.1	6
168	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
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