

# Saeid Abbasbandy

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8801363/saeid-abbasbandy-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

300  
papers

10,492  
citations

58  
h-index

89  
g-index

306  
ext. papers

11,481  
ext. citations

2.8  
avg, IF

7.11  
L-index

#	Paper	IF	Citations
300	Generalized Hukuhara conformable fractional derivative and its application to fuzzy fractional partial differential equations. <i>Soft Computing</i> , <b>2022</b> , 26, 2135	3.5	0
299	The Fragile Points Method (FPM) to solve two-dimensional hyperbolic telegraph equation using point stiffness matrices. <i>Engineering Analysis With Boundary Elements</i> , <b>2022</b> , 134, 11-21	2.6	1
298	Applying the Reproducing Kernel Method to Fractional Differential Equations with Periodic Conditions in Hilbert Space. <i>Journal of Mathematics</i> , <b>2022</b> , 2022, 1-10	1.2	0
297	Analysis of New RBF-FD Weights, Calculated Based on Inverse Quadratic Functions. <i>Journal of Mathematics</i> , <b>2022</b> , 2022, 1-7	1.2	1
296	Pseudospectral meshless radial point interpolation for generalized biharmonic equation subject to simply supported and clamped boundary conditions. <i>Engineering Analysis With Boundary Elements</i> , <b>2021</b> , 125, 23-32	2.6	0
295	Semi-Analytical Solution of Two-Dimensional Viscous Flow through Expanding/Contracting Gaps with Permeable Walls. <i>Mathematical and Computational Applications</i> , <b>2021</b> , 26, 41	1	1
294	A study on the fuzzy parabolic Volterra partial integro-differential equations. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2021</b> , 40, 1639-1654	1.6	0
293	Solving Riccati Fuzzy Differential Equations. <i>New Mathematics and Natural Computation</i> , <b>2021</b> , 17, 29-43	0.6	1
292	On the analysis of a kind of nonlinear Sobolev equation through locally applied pseudo-spectral meshfree radial point interpolation. <i>Numerical Methods for Partial Differential Equations</i> , <b>2021</b> , 37, 462-478	2.5	0
291	A Study of Fuzzy Methods for Solving System of Fuzzy Differential Equations. <i>New Mathematics and Natural Computation</i> , <b>2021</b> , 17, 1-27	0.6	2
290	IMPLEMENTING REPRODUCING KERNEL METHOD TO SOLVE SINGULARLY PERTURBED CONVECTION-DIFFUSION PARABOLIC PROBLEMS. <i>Mathematical Modelling and Analysis</i> , <b>2021</b> , 26, 116-134	1.3	3
289	Numerical solution to the Falkner-Skan equation: a novel numerical approach through the new rational $\alpha$ -polynomials. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2021</b> , 42, 1449-1460	3.2	1
288	Meshless singular boundary method for two-dimensional pseudo-parabolic equation: analysis of stability and convergence. <i>Journal of Applied Mathematics and Computing</i> , <b>2020</b> , 63, 585-606	1.8	2
287	Solving fractional-order delay integro-differential equations using operational matrix based on fractional-order Euler polynomials. <i>Mathematical Sciences</i> , <b>2020</b> , 14, 97-107	1.6	6
286	A fuzzy generalized power series method under generalized Hukuhara differentiability for solving fuzzy Legendre differential equation. <i>Soft Computing</i> , <b>2020</b> , 24, 8763-8779	3.5	3
285	A Review: Differential Transform Method for Semi-Analytical Solution of Differential Equations. <i>International Journal of Applied Mechanics and Engineering</i> , <b>2020</b> , 25, 122-129	0.6	1
284	Pseudospectral meshless radial point interpolation for generalized biharmonic equation in the presence of Cauchy conditions. <i>Computational and Applied Mathematics</i> , <b>2020</b> , 39, 1	2.4	2

283	Meshless formulation to two-dimensional nonlinear problem of generalized BenjaminBonaMahonyBurgers through singular boundary method: Analysis of stability and convergence. <i>Numerical Methods for Partial Differential Equations</i> , <b>2020</b> , 36, 249-267	2.5	2
282	Solving system of second-order BVPs using a new algorithm based on reproducing kernel Hilbert space. <i>Applied Numerical Mathematics</i> , <b>2020</b> , 151, 27-39	2.5	13
281	A new method based on polynomials equipped with a parameter to solve two parabolic inverse problems with a nonlocal boundary condition. <i>Inverse Problems in Science and Engineering</i> , <b>2020</b> , 28, 739-753	1.3	4
280	Valid implementation of Sinc-collocation method to solve the fuzzy Fredholm integral equation. <i>Journal of Computational and Applied Mathematics</i> , <b>2020</b> , 370, 112632	2.4	19
279	A new class of polynomial functions for approximate solution of generalized BenjaminBonaMahonyBurgers (gBBMB) equations. <i>Applied Mathematics and Computation</i> , <b>2020</b> , 367, 124765	2.7	5
278	Computational method based on reproducing kernel for solving singularly perturbed differential-difference equations with a delay. <i>Applied Mathematics and Computation</i> , <b>2019</b> , 361, 583-598	2.7	6
277	A reproducing kernel Hilbert space approach in meshless collocation method. <i>Computational and Applied Mathematics</i> , <b>2019</b> , 38, 1	2.4	3
276	An iterative multistep kernel based method for nonlinear Volterra integral and integro-differential equations of fractional order. <i>Journal of Computational and Applied Mathematics</i> , <b>2019</b> , 361, 97-112	2.4	4
275	Fuzzy reproducing kernel space method for solving fuzzy boundary value problems. <i>Mathematical Sciences</i> , <b>2019</b> , 13, 97-103	1.6	0
274	Finding optimal convergence control parameter in the homotopy analysis method to solve integral equations based on the stochastic arithmetic. <i>Numerical Algorithms</i> , <b>2019</b> , 81, 237-267	2.1	30
273	Block-Pulse Functions in the Method of Successive Approximations for Nonlinear Fuzzy Fredholm Integral Equations. <i>Differential Equations and Dynamical Systems</i> , <b>2019</b> , 1	0.8	7
272	Numerical solution of a modified anomalous diffusion equation with nonlinear source term through meshless singular boundary method. <i>Engineering Analysis With Boundary Elements</i> , <b>2019</b> , 107, 198-207	2.6	8
271	Meshless Local PetrovGalerkin Formulation of Inverse Stefan Problem via Moving Least Squares Approximation. <i>Mathematical and Computational Applications</i> , <b>2019</b> , 24, 101	1	
270	The exact closed solution in the analysis of a natural convection porous fin with temperature-dependent thermal conductivity and internal heat generation. <i>Canadian Journal of Physics</i> , <b>2019</b> , 97, 566-575	1.1	5
269	Resolution of single-variable fuzzy polynomial equations and an upper bound on the number of solutions. <i>Soft Computing</i> , <b>2019</b> , 23, 837-845	3.5	2
268	Solving a class of singular two-point boundary value problems using new effective reproducing kernel technique. <i>Applied Mathematics and Computation</i> , <b>2018</b> , 331, 264-273	2.7	3
267	Local variably scaled Newton basis functions collocation method for solving BurgersEquation. <i>Applied Mathematics and Computation</i> , <b>2018</b> , 330, 23-41	2.7	7
266	Solving the Dym initial value problem in reproducing kernel space. <i>Numerical Algorithms</i> , <b>2018</b> , 78, 405-421	2.1	5

265	Reproducing kernel method for solving singularly perturbed differential-difference equations with boundary layer behavior in Hilbert space. <i>Journal of Computational and Applied Mathematics</i> , <b>2018</b> , 328, 30-43	2.4	15
264	Reproducing kernel method for the numerical solution of the 1D Swift-Hohenberg equation. <i>Applied Mathematics and Computation</i> , <b>2018</b> , 339, 132-143	2.7	5
263	Flow and Heat Transfer in a Nanofluid Thin Film Over an Unsteady Stretching Sheet <b>2018</b> , 47, 1599-1605		6
262	A collocation method for fractional diffusion equation in a long time with Chebyshev functions. <i>Applied Mathematics and Computation</i> , <b>2018</b> , 322, 55-65	2.7	18
261	The combination of meshless method based on radial basis functions with a geometric numerical integration method for solving partial differential equations: Application to the heat equation. <i>Engineering Analysis With Boundary Elements</i> , <b>2018</b> , 87, 36-46	2.6	13
260	An iterative kernel based method for fourth order nonlinear equation with nonlinear boundary condition. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2018</b> , 59, 544-552	3.7	15
259	The Lie-group method based on radial basis functions for solving nonlinear high dimensional generalized Benjamin-Bona-Mahony-Burgers equation in arbitrary domains. <i>Applied Mathematics and Computation</i> , <b>2018</b> , 321, 223-243	2.7	12
258	Analytical and numerical approaches for Falkner-Skan flow of MHD Maxwell fluid using a non-Fourier heat flux model. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2018</b> , 28, 1539-1555	4.5	3
257	M-fractional derivative under interval uncertainty: Theory, properties and applications. <i>Chaos, Solitons and Fractals</i> , <b>2018</b> , 117, 84-93	9.3	33
256	A Geometric Approach for Solving Troesch Problem. <i>Bulletin of the Malaysian Mathematical Sciences Society</i> , <b>2017</b> , 40, 97-116	1.2	9
255	A fuzzy solution of heat equation under generalized Hukuhara differentiability by fuzzy Fourier transform. <i>Fuzzy Sets and Systems</i> , <b>2017</b> , 309, 81-97	3.7	37
254	A new approximate analytical technique for dual solutions of nonlinear differential equations arising in mixed convection heat transfer in a porous medium. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2017</b> , 27, 486-503	4.5	21
253	Fractional relaxation-oscillation differential equations via fuzzy variational iteration method. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2017</b> , 32, 363-371	1.6	10
252	Chebyshev reproducing kernel method: application to two-point boundary value problems. <i>Advances in Difference Equations</i> , <b>2017</b> , 2017,	3.6	6
251	Exact closed form solutions to nonlinear model of heat transfer in a straight fin. <i>International Journal of Thermal Sciences</i> , <b>2017</b> , 116, 45-51	4.1	9
250	A new class of polynomial functions equipped with a parameter. <i>Mathematical Sciences</i> , <b>2017</b> , 11, 127-130		5
249	Slip effects on MHD boundary layer flow of Oldroyd-B fluid past a stretching sheet: An analytic solution. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , <b>2017</b> , 39, 3389-3397	2	4
248	A meshless technique based on the pseudospectral radial basis functions method for solving the two-dimensional hyperbolic telegraph equation. <i>European Physical Journal Plus</i> , <b>2017</b> , 132, 1	3.1	23

247	Normalized Bernstein polynomials in solving space-time fractional diffusion equation. <i>Advances in Difference Equations</i> , <b>2017</b> , 2017,	3.6	9
246	Reproducing kernel method for the numerical solution of the Brinkman-Borchheimer momentum equation. <i>Journal of Computational and Applied Mathematics</i> , <b>2017</b> , 311, 262-271	2.4	10
245	A New Variational Iteration Method for a Class of Fractional Convection-Diffusion Equations in Large Domains. <i>Mathematics</i> , <b>2017</b> , 5, 26	2.3	4
244	Variable Shape Parameter Strategy in Local Radial Basis Functions Collocation Method for Solving the 2D Nonlinear Coupled Burgers Equations. <i>Mathematics</i> , <b>2017</b> , 5, 38	2.3	2
243	Application of Reproducing Kernel Hilbert Space Method for Solving a Class of Nonlinear Integral Equations. <i>Mathematical Problems in Engineering</i> , <b>2017</b> , 2017, 1-10	1.1	8
242	Two parameters Lie group analysis and numerical solution of unsteady free convective flow of non-Newtonian fluid. <i>AEJ - Alexandria Engineering Journal</i> , <b>2016</b> , 55, 2299-2308	6.1	10
241	New efficient methods for solving nonlinear systems of equations with arbitrary even order. <i>Applied Mathematics and Computation</i> , <b>2016</b> , 287-288, 94-103	2.7	10
240	Application of fuzzy Picard method for solving fuzzy quadratic Riccati and fuzzy Painlevé equations. <i>Applied Mathematical Modelling</i> , <b>2016</b> , 40, 8125-8137	4.5	5
239	Some error estimates for the reproducing kernel Hilbert spaces method. <i>Journal of Computational and Applied Mathematics</i> , <b>2016</b> , 296, 789-797	2.4	22
238	Heat flux performance in a porous medium embedded Maxwell fluid flow over a vertically stretched plate due to heat absorption. <i>Journal of Nonlinear Science and Applications</i> , <b>2016</b> , 09, 2986-3001 <sup>19</sup>	1.9	29
237	Cardinal Basis Piecewise Hermite Interpolation on Fuzzy Data. <i>Advances in Fuzzy Systems</i> , <b>2016</b> , 2016, 1-8	1.7	
236	Interpolation of Fuzzy Data by Cubic and Piecewise-Polynomial Cubic Hermites. <i>Indian Journal of Science and Technology</i> , <b>2016</b> , 9,	1	1
235	Numerical solution for Sakiadis flow of upper-convected Maxwell fluid using Cattaneo-Christov heat flux model. <i>AIP Advances</i> , <b>2016</b> , 6, 015208	1.5	28
234	Numerical study of magnetohydrodynamics generalized Couette flow of Eyring-Powell fluid with heat transfer and slip condition. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2016</b> , 26, 1433-1445	4.5	101
233	Numerical simulation based on meshless technique to study the biological population model. <i>Mathematical Sciences</i> , <b>2016</b> , 10, 123-130	1.6	4
232	Non-Darcy natural convection flow for non-Newtonian nanofluid over cone saturated in porous medium with uniform heat and volume fraction fluxes. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2015</b> , 25, 422-437	4.5	119
231	Local integration of 2-D fractional telegraph equation via moving least squares approximation. <i>Engineering Analysis With Boundary Elements</i> , <b>2015</b> , 56, 98-105	2.6	49
230	Pricing European and American Options Using a Very Fast and Accurate Scheme: The Meshless Local Petrov-Galerkin Method. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , <b>2015</b> , 85, 337-351	0.9	14

229	Existence and numerical simulation of periodic traveling wave solutions to the Casimir equation for the Ito system. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2015</b> , 27, 254-262	3.7	5
228	Joules and Newtonian heating effects on stagnation point flow over a stretching surface by means of genetic algorithm and Nelder-Mead method. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2015</b> , 25, 665-684	4.5	64
227	PICARD-REPRODUCING KERNEL HILBERT SPACE METHOD FOR SOLVING GENERALIZED SINGULAR NONLINEAR LANE-EMDEN TYPE EQUATIONS. <i>Mathematical Modelling and Analysis</i> , <b>2015</b> , 20, 754-767	1.3	27
226	Multiplicity results and closed-form solution for catalytic reaction in a flat particle. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2015</b> , 48, 49-55	5.3	4
225	A shooting reproducing kernel Hilbert space method for multiple solutions of nonlinear boundary value problems. <i>Journal of Computational and Applied Mathematics</i> , <b>2015</b> , 279, 293-305	2.4	37
224	Artificial neural networks based modeling for solving Volterra integral equations system. <i>Applied Soft Computing Journal</i> , <b>2015</b> , 27, 391-398	7.5	28
223	Local weak form meshless techniques based on the radial point interpolation (RPI) method and local boundary integral equation (LBIE) method to evaluate European and American options. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2015</b> , 22, 1178-1200	3.7	43
222	A new attitude coupled with fuzzy thinking to fuzzy rings and fields. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2015</b> , 29, 851-861	1.6	18
221	Solution of Lane-Emden Type Equations by Combination of the Spectral Method and Adomian Decomposition Method. <i>Mathematical Problems in Engineering</i> , <b>2015</b> , 2015, 1-10	1.1	13
220	Application of the operational matrix of fractional-order Legendre functions for solving the time-fractional convection-diffusion equation. <i>Applied Mathematics and Computation</i> , <b>2015</b> , 266, 31-40	2.7	23
219	A spectral method for the electrohydrodynamic flow in a circular cylindrical conduit. <i>Chinese Annals of Mathematics Series B</i> , <b>2015</b> , 36, 307-322	0.4	9
218	Direct solution of a type of constrained fractional variational problems via an adaptive pseudospectral method. <i>Journal of Computational and Applied Mathematics</i> , <b>2015</b> , 283, 41-57	2.4	11
217	ANALYSIS OF SOME MAGNETOHYDRODYNAMIC FLOWS OF THIRD-ORDER FLUID SATURATING POROUS SPACE. <i>Journal of Porous Media</i> , <b>2015</b> , 18, 89-98	2.9	23
216	Entropy Generation Analysis for Stagnation Point Flow in a Porous Medium over a Permeable Stretching Surface. <i>Journal of Applied Fluid Mechanics</i> , <b>2015</b> , 8, 753-765	1.5	35
215	A comparison study of meshfree techniques for solving the two-dimensional linear hyperbolic telegraph equation. <i>Engineering Analysis With Boundary Elements</i> , <b>2014</b> , 47, 10-20	2.6	33
214	Pseudospectral methods based on nonclassical orthogonal polynomials for solving nonlinear variational problems. <i>International Journal of Computer Mathematics</i> , <b>2014</b> , 91, 1552-1573	1.2	2
213	Analytical flow study of a conducting Maxwell fluid through a porous saturated channel at various wall boundary conditions. <i>European Physical Journal Plus</i> , <b>2014</b> , 129, 1	3.1	10
212	The use of fuzzy expansion method for solving fuzzy linear Volterra-Fredholm integral equations. <i>Journal of Intelligent and Fuzzy Systems</i> , <b>2014</b> , 26, 1817-1822	1.6	17

211	Peristaltic Motion of Nanofluid in a Curved Channel. <i>Journal of Heat Transfer</i> , <b>2014</b> , 136,	1.8	18
210	Comparison of meshless local weak and strong forms based on particular solutions for a non-classical 2-D diffusion model. <i>Engineering Analysis With Boundary Elements</i> , <b>2014</b> , 39, 121-128	2.6	41
209	A super accurate shifted Tau method for numerical computation of the Sobolev-type differential equation with nonlocal boundary conditions. <i>Applied Mathematics and Computation</i> , <b>2014</b> , 236, 683-692	2.7	5
208	Numerical and analytical solutions for Falkner-Skan flow of MHD Oldroyd-B fluid. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2014</b> , 24, 390-401	4.5	144
207	Exact analytical solution to the Poisson-Boltzmann equation for semiconductor devices. <i>European Physical Journal Plus</i> , <b>2014</b> , 129, 1	3.1	7
206	Mixed convection flow of a micropolar fluid over a continuously moving vertical surface immersed in a thermally and solutally stratified medium with chemical reaction. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2014</b> , 45, 2163-2169	5.3	41
205	Numerical and analytical solutions for Falkner-Skan flow of MHD Maxwell fluid. <i>Applied Mathematics and Computation</i> , <b>2014</b> , 242, 569-575	2.7	47
204	Analytical solution of fractional Navier-Stokes equation by using modified Laplace decomposition method. <i>Ain Shams Engineering Journal</i> , <b>2014</b> , 5, 569-574	4.4	88
203	A brief note on the computation of the Břewadt flow with Navier slip boundary conditions. <i>Computers and Fluids</i> , <b>2014</b> , 90, 133-137	2.8	17
202	Numerical investigation on mixed convective peristaltic flow of fourth grade fluid with Dufour and Soret effects. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2014</b> , 45, 308-316	5.3	70
201	A homotopy analysis solution to large deformation of beams under static arbitrary distributed load. <i>Applied Mathematical Modelling</i> , <b>2014</b> , 38, 355-368	4.5	15
200	Predictor homotopy analysis method: Two points second order boundary value problems. <i>Nonlinear Analysis: Real World Applications</i> , <b>2014</b> , 15, 89-99	2.1	39
199	Chapter 2: Predictor Homotopy Analysis Method (PHAM) <b>2014</b> , 35-83		
198	Analytical Solutions of Non-Linear Equations of Power-Law Fluids of Second Grade over an Infinite Porous Plate. <i>Mathematical and Computational Applications</i> , <b>2014</b> , 19, 124-133	1	20
197	Non-Darcy Natural Convection From a Vertical Cylinder Embedded in a Thermally Stratified and Nanofluid-Saturated Porous Media. <i>Journal of Heat Transfer</i> , <b>2014</b> , 136,	1.8	33
196	Approximating the Solution of the Linear and Nonlinear Fuzzy Volterra Integrodifferential Equations Using Expansion Method. <i>Abstract and Applied Analysis</i> , <b>2014</b> , 2014, 1-7	0.7	2
195	A study on the mixed convection boundary layer flow and heat transfer over a vertical slender cylinder. <i>Thermal Science</i> , <b>2014</b> , 18, 1247-1258	1.2	14
194	Fundamental Solution via Invariant Approach for a Brain Tumor Model and its Extensions. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2014</b> , 69, 725-732	1.4	1

193	A Comparative Study Between two Explicit and Minimal Strategies for the Case of Magnetohydrodynamical Falkner-Skan Flow over a Permeable Wall. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2014</b> , 69, 263-272	1.4	
192	Progress and Regress of Time Dependent Data and Application in Bank Branch. <i>Journal of Applied Mathematics</i> , <b>2014</b> , 2014, 1-9	1.1	
191	A comment on Global solutions for nonlinear fuzzy fractional integral and integrodifferential equations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2014</b> , 19, 1256-1258	3.7	3
190	Free convective heat and mass transfer for MHD fluid flow over a permeable vertical stretching sheet in the presence of the radiation and buoyancy effects. <i>Ain Shams Engineering Journal</i> , <b>2014</b> , 5, 901-912	4.2	143
189	Solving nonlinear fuzzy differential equations by using fuzzy variational iteration method. <i>Soft Computing</i> , <b>2014</b> , 18, 2191-2200	3.5	13
188	Predictor homotopy analysis method (PHAM) for nano boundary layer flows with nonlinear Navier boundary condition: Existence of four solutions. <i>Filomat</i> , <b>2014</b> , 28, 1687-1697	0.7	19
187	Solutions for MHD viscous flow due to a shrinking sheet by Hankel-Padé method. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2013</b> , 23, 388-400	4.5	7
186	MHD Falkner-Skan flow of Maxwell fluid by rational Chebyshev collocation method. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2013</b> , 34, 921-930	3.2	24
185	On convergence of homotopy analysis method and its application to fractional integro-differential equations. <i>Quaestiones Mathematicae</i> , <b>2013</b> , 36, 93-105	0.6	111
184	Analytical solution of the transpiration on the boundary layer flow and heat transfer over a vertical slender cylinder. <i>Quaestiones Mathematicae</i> , <b>2013</b> , 36, 353-380	0.6	7
183	Analyzing magneto-hydrodynamic squeezing flow between two parallel disks with suction or injection by a new hybrid method based on the Tau method and the homotopy analysis method. <i>European Physical Journal Plus</i> , <b>2013</b> , 128, 1	3.1	17
182	New homotopy analysis transform method for solving the discontinued problems arising in nanotechnology. <i>Chinese Physics B</i> , <b>2013</b> , 22, 110201	1.2	26
181	Fractional-order Legendre functions for solving fractional-order differential equations. <i>Applied Mathematical Modelling</i> , <b>2013</b> , 37, 5498-5510	4.5	211
180	A meshfree method for the solution of two-dimensional cubic nonlinear Schrödinger equation. <i>Engineering Analysis With Boundary Elements</i> , <b>2013</b> , 37, 885-898	2.6	68
179	Determination of optimal convergence-control parameter value in homotopy analysis method. <i>Numerical Algorithms</i> , <b>2013</b> , 64, 593-605	2.1	35
178	Radiation effects on mixed convection about a cone embedded in a porous medium filled with a nanofluid. <i>Meccanica</i> , <b>2013</b> , 48, 275-285	2.1	112
177	Group analysis of the modified generalized Vakhnenko equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2013</b> , 18, 867-877	3.7	23
176	Convective transport of nanoparticles in multi-layer fluid flow. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2013</b> , 34, 177-188	3.2	10



175	On Solutions of Linear Fractional Differential Equations with Uncertainty. <i>Abstract and Applied Analysis</i> , <b>2013</b> , 2013, 1-13	0.7	5
174	On the Analytic Solution for a Steady Magnetohydrodynamic Equation. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2013</b> , 68, 412-420	1.4	1
173	An efficient method to obtain semi-analytical solutions of the nano boundary layers over stretching surfaces. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2013</b> , 23, 1179-1191	4.5	3
172	Chebyshev Wavelet Finite Difference Method: A New Approach for Solving Initial and Boundary Value Problems of Fractional Order. <i>Abstract and Applied Analysis</i> , <b>2013</b> , 2013, 1-15	0.7	2
171	Ranking Fuzzy Numbers and Its Extensions. <i>Mathematical Problems in Engineering</i> , <b>2013</b> , 2013, 1-1	1.1	1
170	Toward a New Algorithm for Nonlinear Fractional Differential Equations. <i>Advances in Applied Mathematics and Mechanics</i> , <b>2013</b> , 5, 222-234	2.1	
169	Solving fuzzy fractional differential equations using Zadeh's extension principle. <i>Scientific World Journal, The</i> , <b>2013</b> , 2013, 454969	2.2	14
168	HEAT TRANSFER THROUGH A POROUS SATURATED CHANNEL WITH PERMEABLE WALLS USING TWO-EQUATION ENERGY MODEL. <i>Journal of Porous Media</i> , <b>2013</b> , 16, 241-254	2.9	21
167	Radiation Effects on Mixed Convection over a Wedge Embedded in a Porous Medium Filled with a Nanofluid. <i>Transport in Porous Media</i> , <b>2012</b> , 91, 261-279	3.1	88
166	Explicit solutions of fractional differential equations with uncertainty. <i>Soft Computing</i> , <b>2012</b> , 16, 297-302	3.5	135
165	A new similarity measure for generalized fuzzy numbers. <i>Neural Computing and Applications</i> , <b>2012</b> , 21, 289-294	4.8	4
164	Solving fully fuzzy linear systems using implicit gauss-jordan algorithm. <i>Computational Mathematics and Modeling</i> , <b>2012</b> , 23, 368-385	0.5	1
163	Unique and multiple PHAM series solutions of a class of nonlinear reactive transport model. <i>Numerical Algorithms</i> , <b>2012</b> , 61, 515-524	2.1	21
162	Meshless simulations of the two-dimensional fractional-time convection-diffusion-reaction equations. <i>Engineering Analysis With Boundary Elements</i> , <b>2012</b> , 36, 1522-1527	2.6	61
161	Existence and uniqueness results for fractional differential equations with uncertainty. <i>Advances in Difference Equations</i> , <b>2012</b> , 2012,	3.6	66
160	Solving fuzzy second-order nonlinear Volterra-Bredholm integro-differential equations by using Picard method. <i>Neural Computing and Applications</i> , <b>2012</b> , 21, 337-346	4.8	14
159	New perturbation-iteration solutions for nonlinear heat transfer equations. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , <b>2012</b> , 22, 814-828	4.5	25
158	Solution of time-varying delay systems using an adaptive collocation method. <i>Applied Mathematics and Computation</i> , <b>2012</b> , 219, 1434-1448	2.7	13

157	Numerical analysis of a mathematical model for capillary formation in tumor angiogenesis using a meshfree method based on the radial basis function. <i>Engineering Analysis With Boundary Elements</i> , <b>2012</b> , 36, 1811-1818	2.6	45
156	Analysis of steady flows in viscous fluid with heat/mass transfer and slip effects. <i>International Journal of Heat and Mass Transfer</i> , <b>2012</b> , 55, 6384-6390	4.9	45
155	. <i>Mathematical Sciences</i> , <b>2012</b> , 6, 40	1.6	1
154	A new method for solving fuzzy integro-differential equation under generalized differentiability. <i>Neural Computing and Applications</i> , <b>2012</b> , 21, 191-196	4.8	28
153	Solutions of the magnetohydrodynamic flow over a nonlinear stretching sheet and nano boundary layers over stretching surfaces. <i>International Journal for Numerical Methods in Fluids</i> , <b>2012</b> , 70, 1324-1340	1.9	11
152	Solving fully fuzzy linear systems by using implicit Gauss-Jordan algorithm. <i>Computational Mathematics and Modeling</i> , <b>2012</b> , 23, 107-124	0.5	8
151	Exact analytical solution of the MHD Jeffery-Hamel flow problem. <i>Meccanica</i> , <b>2012</b> , 47, 1379-1389	2.1	23
150	Heat and mass transfer of thermophoretic MHD flow over an inclined radiate isothermal permeable surface in the presence of heat source/sink. <i>International Journal of Heat and Mass Transfer</i> , <b>2012</b> , 55, 2122-2128	4.9	86
149	Solving fuzzy fractional differential equations by fuzzy Laplace transforms. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2012</b> , 17, 1372-1381	3.7	215
148	Analytical Solutions of the Slip Magnetohydrodynamic Viscous Flow over a Stretching Sheet by Using the Laplace-Adomian Decomposition Method. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2012</b> , 67, 248-254	1.4	3
147	An Adaptive Pseudospectral Method for Fractional Order Boundary Value Problems. <i>Abstract and Applied Analysis</i> , <b>2012</b> , 2012, 1-19	0.7	14
146	Effects of Thermocapillarity and Thermal Radiation on Flow and Heat Transfer in a Thin Liquid Film on an Unsteady Stretching Sheet. <i>Mathematical Problems in Engineering</i> , <b>2012</b> , 2012, 1-14	1.1	17
145	Numerical Solution of Linear Fuzzy Fredholm Integral Equations of the Second Kind Using Fuzzy Haar Wavelet. <i>Communications in Computer and Information Science</i> , <b>2012</b> , 79-89	0.3	21
144	Analysis of IVPs and BVPs on Semi-Infinite Domains via Collocation Methods. <i>Journal of Applied Mathematics</i> , <b>2012</b> , 2012, 1-21	1.1	9
143	Numerical Study on Gas Flow through a Micro-Nano Porous Media. <i>Acta Physica Polonica A</i> , <b>2012</b> , 121, 581-585	0.6	9
142	A matrix formulation to the wave equation with non-local boundary condition. <i>International Journal of Computer Mathematics</i> , <b>2011</b> , 88, 1681-1696	1.2	12
141	Variational Iteration Method for Solving n -th Order Fuzzy Differential Equations. <i>Mathematical and Computational Applications</i> , <b>2011</b> , 16, 819-829	1	9
140	Numerical Solution of N-Order Fuzzy Differential Equations by Runge-Kutta Method. <i>Mathematical and Computational Applications</i> , <b>2011</b> , 16, 935-946	1	9

139	Improved analytical solutions to a stagnation-point flow past a porous stretching sheet with heat generation. <i>Journal of the Franklin Institute</i> , <b>2011</b> , 348, 2044-2058	4	21
138	Analytic continuation of Taylor series and the boundary value problems of some nonlinear ordinary differential equations. <i>Applied Mathematics and Computation</i> , <b>2011</b> , 218, 2178-2199	2.7	25
137	A new analytical technique to solve Fredholm's integral equations. <i>Numerical Algorithms</i> , <b>2011</b> , 56, 27-43	2.1	33
136	Poiseuille Flow of a Third Grade Fluid in a Porous Medium. <i>Transport in Porous Media</i> , <b>2011</b> , 87, 355-366	3.1	11
135	Numerical solution of fully fuzzy linear systems by fuzzy neural network. <i>Soft Computing</i> , <b>2011</b> , 15, 1513-1522	3.15	17
134	A new method for solving fuzzy linear differential equations. <i>Computing (Vienna/New York)</i> , <b>2011</b> , 92, 181-197	2.2	39
133	The exact solutions of fuzzy wave-like equations with variable coefficients by a variational iteration method. <i>Applied Soft Computing Journal</i> , <b>2011</b> , 11, 2186-2192	7.5	24
132	Predictor homotopy analysis method and its application to some nonlinear problems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2011</b> , 16, 2456-2468	3.7	57
131	Multiple solutions of mixed convection in a porous medium on semi-infinite interval using pseudo-spectral collocation method. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2011</b> , 16, 2745-2752	3.7	18
130	A new analytical technique to solve Volterra's integral equations. <i>Mathematical Methods in the Applied Sciences</i> , <b>2011</b> , 34, 1243-1253	2.3	28
129	On flow of a fourth-grade fluid with heat transfer. <i>International Journal for Numerical Methods in Fluids</i> , <b>2011</b> , 67, 2043-2053	1.9	9
128	The homotopy analysis method and the Liard equation. <i>International Journal of Computer Mathematics</i> , <b>2011</b> , 88, 121-134	1.2	8
127	An improved numerical method for a class of astrophysics problems based on radial basis functions. <i>Physica Scripta</i> , <b>2011</b> , 83, 015011	2.6	34
126	A new application of the homotopy analysis method: Solving the Sturm-Liouville problems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2011</b> , 16, 112-126	3.7	71
125	Comparison between two common collocation approaches based on radial basis functions for the case of heat transfer equations arising in porous medium. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2011</b> , 16, 1396-1407	3.7	27
124	Analytic approximate solutions for heat transfer of a micropolar fluid through a porous medium with radiation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2011</b> , 16, 1874-1889	3.7	150
123	On series solution for unsteady boundary layer equations in a special third grade fluid. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2011</b> , 16, 3140-3146	3.7	54
122	Exact analytical solution of forced convection in a porous-saturated duct. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2011</b> , 16, 3981-3989	3.7	20

121	A novel application of radial basis functions for solving a model of first-order integro-ordinary differential equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2011</b> , 16, 4250-4258	3.7	43
120	Mathematical properties of $\phi$ -curve in the frame work of the homotopy analysis method. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2011</b> , 16, 4268-4275	3.7	99
119	The Lie-group shooting method for solving the Bratu equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2011</b> , 16, 4238-4249	3.7	71
118	Fuzzy polynomial regression with fuzzy neural networks. <i>Applied Mathematical Modelling</i> , <b>2011</b> , 35, 5400-5412	4.5	24
117	Group preserving scheme for the Cauchy problem of the Laplace equation. <i>Engineering Analysis With Boundary Elements</i> , <b>2011</b> , 35, 1003-1009	2.6	22
116	A note on the revised method of ranking LR fuzzy number based on deviation degree. <i>Expert Systems With Applications</i> , <b>2011</b> , 38, 13491-13492	7.8	34
115	Perturbation analysis of a modified second grade fluid over a porous plate. <i>Nonlinear Analysis: Real World Applications</i> , <b>2011</b> , 12, 1774-1785	2.1	31
114	MLPG method for two-dimensional diffusion equation with Neumann's and non-classical boundary conditions. <i>Applied Numerical Mathematics</i> , <b>2011</b> , 61, 170-180	2.5	55
113	Approximate analytical solutions to thermo-poroelastic equations by means of the iterated homotopy analysis method. <i>International Journal of Computer Mathematics</i> , <b>2011</b> , 88, 1763-1775	1.2	6
112	Analysis of Forced Convection in a Circular Tube Filled With a Darcy-Brinkman-Borchheimer Porous Medium Using Spectral Homotopy Analysis Method. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , <b>2011</b> , 133,	2.1	18
111	A New Semi-Analytical Solution of the Telegraph Equation with Integral Condition. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2011</b> , 66, 760-768	1.4	4
110	Fuzzy fractional differential equations with Nagumo and Krasnoselskii-Krein condition <b>2011</b> ,		3
109	Ranking fuzzy numbers using fuzzy maximizing-minimizing points <b>2011</b> ,		2
108	Existence and Uniqueness of Solution of an Uncertain Characteristic Cauchy Reaction-Diffusion Equation by Adomian Decomposition Method. <i>Mathematical and Computational Applications</i> , <b>2010</b> , 15, 404-419	1	2
107	Solitary-wave solutions of the Degasperis-Procesi equation by means of the homotopy analysis method. <i>International Journal of Computer Mathematics</i> , <b>2010</b> , 87, 2303-2313	1.2	5
106	A Fuzzy Distance between Two Fuzzy Numbers. <i>Communications in Computer and Information Science</i> , <b>2010</b> , 376-382	0.3	5
105	Analytic Solution of the Sharma-Tasso-Olver Equation by Homotopy Analysis Method. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2010</b> , 65, 285-290	1.4	8
104	Weighted trapezoidal approximation-preserving cores of a fuzzy number. <i>Computers and Mathematics With Applications</i> , <b>2010</b> , 59, 3066-3077	2.7	39

103	Exact analytical solution of a nonlinear equation arising in heat transfer. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2010</b> , 374, 567-574	2.3	34
102	Homotopy analysis method for the Kawahara equation. <i>Nonlinear Analysis: Real World Applications</i> , <b>2010</b> , 11, 307-312	2.1	86
101	Triangular approximations of fuzzy numbers using $\alpha$ -weighted valuations. <i>Soft Computing</i> , <b>2010</b> , 14, 71-79	3.5	10
100	Homotopy analysis method for multiple solutions of the fractional Sturm-Liouville problems. <i>Numerical Algorithms</i> , <b>2010</b> , 54, 521-532	2.1	64
99	On comparison of series and numerical solutions for second Painlevé equation. <i>Numerical Methods for Partial Differential Equations</i> , <b>2010</b> , 26, 1070-1078	2.5	11
98	Effects of partial slip on a fourth-grade fluid with variable viscosity: An analytic solution. <i>Nonlinear Analysis: Real World Applications</i> , <b>2010</b> , 11, 856-868	2.1	28
97	Steady flow and heat transfer of a Sisko fluid in annular pipe. <i>International Journal of Heat and Mass Transfer</i> , <b>2010</b> , 53, 1290-1297	4.9	53
96	The first integral method for modified Benjamin-Bona-Mahony equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2010</b> , 15, 1759-1764	3.7	96
95	Prediction of multiplicity of solutions of nonlinear boundary value problems: Novel application of homotopy analysis method. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2010</b> , 15, 3830-3846	3.7	71
94	Evaluation of fuzzy regression models by fuzzy neural network. <i>Journal of Computational and Applied Mathematics</i> , <b>2010</b> , 234, 825-834	2.4	26
93	A meshless method for two-dimensional diffusion equation with an integral condition. <i>Engineering Analysis With Boundary Elements</i> , <b>2010</b> , 34, 1031-1037	2.6	45
92	Optimum Path of a Flying Object with Exponentially Decaying Density Medium. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2009</b> , 64, 431-438	1.4	3
91	On Series Solutions for MHD Plane and Axisymmetric Flow Near a Stagnation Point. <i>Mathematical Problems in Engineering</i> , <b>2009</b> , 2009, 1-10	1.1	
90	Application of Variational Iteration Method for nth-Order Integro-Differential Equations. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2009</b> , 64, 439-444	1.4	8
89	The Series Solution of Problems in the Calculus of Variations via the Homotopy Analysis Method. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2009</b> , 64, 30-36	1.4	9
88	On series solution for generalized Falkner-Skan flow of a FENE-P model. <i>International Journal for Numerical Methods in Fluids</i> , <b>2009</b> , 61, 698-708	1.9	3
87	On comparison of exact and series solutions for thin film flow of a third-grade fluid. <i>International Journal for Numerical Methods in Fluids</i> , <b>2009</b> , 61, 987-994	1.9	12
86	Finding the one-loop soliton solution of the short-pulse equation by means of the homotopy analysis method. <i>Numerical Methods for Partial Differential Equations</i> , <b>2009</b> , 25, 401-408	2.5	5

85	Solitary wave solutions to the modified form of Camassa-Holm equation by means of the homotopy analysis method. <i>Chaos, Solitons and Fractals</i> , <b>2009</b> , 39, 428-435	9.3	23
84	Solution of the MHD Falkner-Skan flow by Hankel-Adomian method. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2009</b> , 373, 731-734	2.3	41
83	Solution of the MHD Falkner-Skan flow by homotopy analysis method. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2009</b> , 14, 3591-3598	3.7	114
82	The homotopy analysis method for multiple solutions of nonlinear boundary value problems. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2009</b> , 14, 3530-3536	3.7	82
81	Numerical solution of the generalized Zakharov equation by homotopy analysis method. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2009</b> , 14, 4114-4121	3.7	27
80	Improved predictor-corrector method for solving fuzzy initial value problems. <i>Information Sciences</i> , <b>2009</b> , 179, 945-955	7.7	29
79	Numerical solution of the system of nonlinear Volterra integro-differential equations with nonlinear differential part by the operational Tau method and error estimation. <i>Journal of Computational and Applied Mathematics</i> , <b>2009</b> , 231, 106-113	2.4	32
78	A new approach for ranking of trapezoidal fuzzy numbers. <i>Computers and Mathematics With Applications</i> , <b>2009</b> , 57, 413-419	2.7	234
77	Series Solution of the System of Integro-Differential Equations. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2009</b> , 64, 811-818	1.4	3
76	Numerical Results of a Flow in a Third Grade Fluid between Two Porous Walls. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2009</b> , 64, 59-64	1.4	15
75	Series Solutions of Boundary Layer Flow of a Micropolar Fluid Near the Stagnation Point Towards a Shrinking Sheet. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2009</b> , 64, 575-582	1.4	18
74	Formulas for the Amplitude of the van der Pol Limit Cycle through the Homotopy Analysis Method. <i>Scholarly Research Exchange</i> , <b>2009</b> , 2009, 1-7		8
73	Application of the Variational Iteration Method to Nonlinear Volterra Integro-Differential Equations. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2008</b> , 63, 538-542	1.4	6
72	INTERPOLATION OF FUZZY DATA BY USING FUZZY SPLINES. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , <b>2008</b> , 16, 107-115	0.8	14
71	The Analysis Approach of Boundary Layer Equations of Power-Law Fluids of Second Grade. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2008</b> , 63, 564-570	1.4	12
70	The Variational Iteration Method for a Class of Eighth-Order Boundary-Value Differential Equations. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2008</b> , 63, 745-751	1.4	6
69	Approximate solution for the nonlinear model of diffusion and reaction in porous catalysts by means of the homotopy analysis method. <i>Chemical Engineering Journal</i> , <b>2008</b> , 136, 144-150	14.7	149
68	Homotopy analysis method for quadratic Riccati differential equation. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2008</b> , 13, 539-546	3.7	186

67	Solitary wave solutions to the Kuramoto-Bivashinsky equation by means of the homotopy analysis method. <i>Nonlinear Dynamics</i> , <b>2008</b> , 52, 35-40	5	56
66	Homotopy analysis method for generalized Benjamin-Bona-Mahony equation. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , <b>2008</b> , 59, 51-62	1.6	49
65	A new modification of false position method based on homotopy analysis method. <i>Applied Mathematics and Mechanics (English Edition)</i> , <b>2008</b> , 29, 223-228	3.2	5
64	Numerical method for non-linear wave and diffusion equations by the variational iteration method. <i>International Journal For Numerical Methods in Engineering</i> , <b>2008</b> , 73, 1836-1843	2.4	17
63	A numerical method for solving a class of functional and two dimensional integral equations. <i>Applied Mathematics and Computation</i> , <b>2008</b> , 198, 35-43	2.7	21
62	Soliton solutions for the Fitzhugh-Nagumo equation with the homotopy analysis method. <i>Applied Mathematical Modelling</i> , <b>2008</b> , 32, 2706-2714	4.5	88
61	Numerical solution of a system of fuzzy polynomials by fuzzy neural network. <i>Information Sciences</i> , <b>2008</b> , 178, 1948-1960	7.7	42
60	Minimal solution of general dual fuzzy linear systems. <i>Chaos, Solitons and Fractals</i> , <b>2008</b> , 37, 1113-1124	9.3	41
59	Solitary smooth hump solutions of the Camassa-Holm equation by means of the homotopy analysis method. <i>Chaos, Solitons and Fractals</i> , <b>2008</b> , 36, 581-591	9.3	40
58	Numerical solution of non-linear Klein-Gordon equations by variational iteration method. <i>International Journal For Numerical Methods in Engineering</i> , <b>2007</b> , 70, 876-881	2.4	73
57	An approximation solution of a nonlinear equation with Riemann-Liouville's fractional derivatives by He's variational iteration method. <i>Journal of Computational and Applied Mathematics</i> , <b>2007</b> , 207, 53-58	2.4	67
56	A new application of He's variational iteration method for quadratic Riccati differential equation by using Adomian's polynomials. <i>Journal of Computational and Applied Mathematics</i> , <b>2007</b> , 207, 59-63	2.4	137
55	Numerical method for solving linear Fredholm fuzzy integral equations of the second kind. <i>Chaos, Solitons and Fractals</i> , <b>2007</b> , 31, 138-146	9.3	55
54	A numerical solution of Blasius equation by Adomian's decomposition method and comparison with homotopy perturbation method. <i>Chaos, Solitons and Fractals</i> , <b>2007</b> , 31, 257-260	9.3	100
53	Fuzzy linguistic model for interpolation. <i>Chaos, Solitons and Fractals</i> , <b>2007</b> , 34, 551-556	9.3	2
52	Newton-homotopy analysis method for nonlinear equations. <i>Applied Mathematics and Computation</i> , <b>2007</b> , 188, 1794-1800	2.7	58
51	Homotopy analysis method for heat radiation equations. <i>International Communications in Heat and Mass Transfer</i> , <b>2007</b> , 34, 380-387	5.8	176
50	The application of homotopy analysis method to solve a generalized Hirota-Batsuma coupled KdV equation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2007</b> , 361, 478-483	2.3	217

49	Soliton solutions for the fifth-order KdV equation with the homotopy analysis method. <i>Nonlinear Dynamics</i> , <b>2007</b> , 51, 83-87	5	155
48	Application of Heñ homotopy perturbation method to functional integral equations. <i>Chaos, Solitons and Fractals</i> , <b>2007</b> , 31, 1243-1247	9.3	91
47	A new approach to universal approximation of fuzzy functions on a discrete set of points. <i>Applied Mathematical Modelling</i> , <b>2006</b> , 30, 1525-1534	4.5	8
46	THE ADOMIAN DECOMPOSITION METHOD APPLIED TO THE FUZZY SYSTEM OF FREDHOLM INTEGRAL EQUATIONS OF THE SECOND KIND. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , <b>2006</b> , 14, 101-110	0.8	37
45	Ranking of fuzzy numbers by sign distance. <i>Information Sciences</i> , <b>2006</b> , 176, 2405-2416	7.7	167
44	Homotopy perturbation method for quadratic Riccati differential equation and comparison with Adomianñ decomposition method. <i>Applied Mathematics and Computation</i> , <b>2006</b> , 172, 485-490	2.7	135
43	Modified homotopy perturbation method for nonlinear equations and comparison with Adomianñ decomposition method. <i>Applied Mathematics and Computation</i> , <b>2006</b> , 172, 431-438	2.7	34
42	LU decomposition method for solving fuzzy system of linear equations. <i>Applied Mathematics and Computation</i> , <b>2006</b> , 172, 633-643	2.7	84
41	The nearest approximation of a fuzzy quantity in parametric form. <i>Applied Mathematics and Computation</i> , <b>2006</b> , 172, 624-632	2.7	50
40	Numerical solutions of the integral equations: Homotopy perturbation method and Adomianñ decomposition method. <i>Applied Mathematics and Computation</i> , <b>2006</b> , 173, 493-500	2.7	139
39	Steepest descent method for solving fuzzy nonlinear equations. <i>Applied Mathematics and Computation</i> , <b>2006</b> , 174, 669-675	2.7	21
38	Numerical approximation of fuzzy functions by fuzzy polynomials. <i>Applied Mathematics and Computation</i> , <b>2006</b> , 174, 1001-1006	2.7	17
37	Numerical solution of fuzzy maxñin systems. <i>Applied Mathematics and Computation</i> , <b>2006</b> , 174, 1321-1328	2.7	19
36	Iterated Heñ homotopy perturbation method for quadratic Riccati differential equation. <i>Applied Mathematics and Computation</i> , <b>2006</b> , 175, 581-589	2.7	76
35	Steepest descent method for system of fuzzy linear equations. <i>Applied Mathematics and Computation</i> , <b>2006</b> , 175, 823-833	2.7	61
34	Newtonñ method for solving a system of fuzzy nonlinear equations. <i>Applied Mathematics and Computation</i> , <b>2006</b> , 175, 1189-1199	2.7	32
33	Numerical solution of fuzzy polynomials by fuzzy neural network. <i>Applied Mathematics and Computation</i> , <b>2006</b> , 181, 1084-1089	2.7	44
32	Computational and theoretical pitfalls in some current performance measurement techniques; and a new approach. <i>Applied Mathematics and Computation</i> , <b>2006</b> , 181, 1199-1207	2.7	52



31	Application of Heñ homotopy perturbation method for Laplace transform. <i>Chaos, Solitons and Fractals</i> , <b>2006</b> , 30, 1206-1212	9.3	78
30	The nearest trapezoidal form of a generalized left right fuzzy number. <i>International Journal of Approximate Reasoning</i> , <b>2006</b> , 43, 166-178	3.6	59
29	The application of homotopy analysis method to nonlinear equations arising in heat transfer. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2006</b> , 360, 109-113	2.3	483
28	Interpolation of fuzzy data by Hermite polynomial. <i>International Journal of Computer Mathematics</i> , <b>2005</b> , 82, 595-600	1.2	7
27	A new decomposition method based on infinite products. <i>Kybernetes</i> , <b>2005</b> , 34, 1027-1033	2	2
26	Numerical solution of linear Fredholm Fuzzy integral equations of the second kind by Adomian method. <i>Applied Mathematics and Computation</i> , <b>2005</b> , 161, 733-744	2.7	67
25	A numerical solution of Burgers' equation by modified Adomian method. <i>Applied Mathematics and Computation</i> , <b>2005</b> , 163, 1265-1272	2.7	56
24	A numerical solution of Burgers' equation by time discretization of Adomian's decomposition method. <i>Applied Mathematics and Computation</i> , <b>2005</b> , 170, 95-102	2.7	24
23	Extended Newton's method for a system of nonlinear equations by modified Adomian decomposition method. <i>Applied Mathematics and Computation</i> , <b>2005</b> , 170, 648-656	2.7	37
22	Tuning of reachable set in one dimensional fuzzy differential inclusions. <i>Chaos, Solitons and Fractals</i> , <b>2005</b> , 26, 1337-1341	9.3	63
21	Conjugate gradient method for fuzzy symmetric positive definite system of linear equations. <i>Applied Mathematics and Computation</i> , <b>2005</b> , 171, 1184-1191	2.7	68
20	A stochastic scheme for solving definite integrals. <i>Applied Numerical Mathematics</i> , <b>2005</b> , 55, 125-136	2.5	16
19	Fuzzy general linear systems. <i>Applied Mathematics and Computation</i> , <b>2005</b> , 169, 34-40	2.7	74
18	Interpolation of fuzzy data by Hermite polynomial. <i>International Journal of Computer Mathematics</i> , <b>2005</b> , 82, 1541-1545	1.2	2
17	The use of the stochastic arithmetic to estimate the value of interpolation polynomial with optimal degree. <i>Applied Numerical Mathematics</i> , <b>2004</b> , 50, 279-290	2.5	19
16	Solving linear integro-differential equations system by using rationalized Haar functions method. <i>Applied Mathematics and Computation</i> , <b>2004</b> , 155, 317-328	2.7	58
15	The nearest trapezoidal fuzzy number to a fuzzy quantity. <i>Applied Mathematics and Computation</i> , <b>2004</b> , 156, 381-386	2.7	65
14	Newton's method for solving fuzzy nonlinear equations. <i>Applied Mathematics and Computation</i> , <b>2004</b> , 159, 349-356	2.7	52

13	Numerical methods for fuzzy differential inclusions. <i>Computers and Mathematics With Applications</i> , <b>2004</b> , 48, 1633-1641	2.7	74
12	Improving Newton-Raphson method for nonlinear equations by modified Adomian decomposition method. <i>Applied Mathematics and Computation</i> , <b>2003</b> , 145, 887-893	2.7	216
11	Numerical Solution of Improper Integrals with Valid Implementation. <i>Mathematical and Computational Applications</i> , <b>2002</b> , 7, 83-91	1	6
10	Numerical implementations of Cauchy-type integral equations. <i>Korean Journal of Computational and Applied Mathematics</i> , <b>2002</b> , 9, 253-260		
9	Note on a new approach for defuzzification. <i>Fuzzy Sets and Systems</i> , <b>2002</b> , 128, 131-132	3.7	24
8	Numerical Solutions of Fuzzy Differential Equations by Taylor Method. <i>Computational Methods in Applied Mathematics</i> , <b>2002</b> , 2, 113-124	1.2	85
7	An automatic augmented galerkin method for singular integral equations with Hilbert kernel. <i>Korean Journal of Computational and Applied Mathematics</i> , <b>2001</b> , 8, 337-345		
6	Interpolation of fuzzy data by complete splines. <i>Korean Journal of Computational and Applied Mathematics</i> , <b>2001</b> , 8, 587-594		9
5	Interpolation of fuzzy data by natural splines. <i>Korean Journal of Computational and Applied Mathematics</i> , <b>1998</b> , 5, 457-463		9
4	AUTOMATIC AUGMENTED GALERKIN ALGORITHMS FOR FREDHOLM INTEGRAL EQUATIONS OF THE FIRST KIND. <i>Acta Mathematica Scientia</i> , <b>1997</b> , 17, 69-84	0.7	2
3	Numerical solution of nonlinear delay differential equations of fractional variable-order using a novel shifted Jacobi operational matrix. <i>Engineering With Computers</i> , 1	4.5	1
2	Reproducing kernel method to solve non-local fractional boundary value problem. <i>Mathematical Sciences</i> , 1	1.6	1
1	Two-Dimensional Müntz-Legendre Wavelet Method for Fuzzy Hybrid Differential Equations. <i>New Mathematics and Natural Computation</i> , 1-21	0.6	