Saeid Abbasbandy

List of Publications by Citations

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	The application of homotopy analysis method to nonlinear equations arising in heat transfer. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2006**, 360, 109-113	2.3	483
299	A new approach for ranking of trapezoidal fuzzy numbers. *Computers and Mathematics With Applications*, **2009**, 57, 413-419	2.7	234
298	The application of homotopy analysis method to solve a generalized Hirota–Satsuma coupled KdV equation. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2007**, 361, 478-483	2.3	217
297	Improving Newton–Raphson method for nonlinear equations by modified Adomian decomposition method. *Applied Mathematics and Computation*, **2003**, 145, 887-893	2.7	216
296	Solving fuzzy fractional differential equations by fuzzy Laplace transforms. *Communications in Nonlinear Science and Numerical Simulation*, **2012**, 17, 1372-1381	3.7	215
295	Fractional-order Legendre functions for solving fractional-order differential equations. *Applied Mathematical Modelling*, **2013**, 37, 5498-5510	4.5	211
294	Homotopy analysis method for quadratic Riccati differential equation. *Communications in Nonlinear Science and Numerical Simulation*, **2008**, 13, 539-546	3.7	186
293	Homotopy analysis method for heat radiation equations. *International Communications in Heat and Mass Transfer*, **2007**, 34, 380-387	5.8	176
292	Ranking of fuzzy numbers by sign distance. *Information Sciences*, **2006**, 176, 2405-2416	7.7	167
291	Soliton solutions for the fifth-order KdV equation with the homotopy analysis method. *Nonlinear Dynamics*, **2007**, 51, 83-87	5	155
290	Analytic approximate solutions for heat transfer of a micropolar fluid through a porous medium with radiation. *Communications in Nonlinear Science and Numerical Simulation*, **2011**, 16, 1874-1889	3.7	150
289	Approximate solution for the nonlinear model of diffusion and reaction in porous catalysts by means of the homotopy analysis method. *Chemical Engineering Journal*, **2008**, 136, 144-150	14.7	149
288	Numerical and analytical solutions for Falkner-Skan flow of MHD Oldroyd-B fluid. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2014**, 24, 390-401	4.5	144
287	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. *Ain Shams Engineering Journal*, **2014**, 5, 901-912	4.4	143
286	Numerical solutions of the integral equations: Homotopy perturbation method and Adomian's decomposition method. *Applied Mathematics and Computation*, **2006**, 173, 493-500	2.7	139
285	A new application of He's variational iteration method for quadratic Riccati differential equation by using Adomian's polynomials. *Journal of Computational and Applied Mathematics*, **2007**, 207, 59-63	2.4	137
284	Explicit solutions of fractional differential equations with uncertainty. *Soft Computing*, **2012**, 16, 297-302	3.5	135

283	Homotopy perturbation method for quadratic Riccati differential equation and comparison with Adomian's decomposition method. *Applied Mathematics and Computation*, **2006**, 172, 485-490	2.7	135
282	Non-Darcy natural convection flow for non-Newtonian nanofluid over cone saturated in porous medium with uniform heat and volume fraction fluxes. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2015**, 25, 422-437	4.5	119
281	Solution of the MHD Falkner-Skan flow by homotopy analysis method. *Communications in Nonlinear Science and Numerical Simulation*, **2009**, 14, 3591-3598	3.7	114
280	Radiation effects on mixed convection about a cone embedded in a porous medium filled with a nanofluid. *Meccanica*, **2013**, 48, 275-285	2.1	112
279	On convergence of homotopy analysis method and its application to fractional integro-differential equations. *Quaestiones Mathematicae*, **2013**, 36, 93-105	0.6	111
278	Numerical study of magnetohydrodynamics generalized Couette flow of Eyring-Powell fluid with heat transfer and slip condition. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2016**, 26, 1433-1445	4.5	101
277	A numerical solution of Blasius equation by Adomian's decomposition method and comparison with homotopy perturbation method. *Chaos, Solitons and Fractals*, **2007**, 31, 257-260	9.3	100
276	Mathematical properties of -curve in the frame work of the homotopy analysis method. *Communications in Nonlinear Science and Numerical Simulation*, **2011**, 16, 4268-4275	3.7	99
275	The first integral method for modified Benjamin-Bona-Mahony equation. *Communications in Nonlinear Science and Numerical Simulation*, **2010**, 15, 1759-1764	3.7	96
274	Application of He's homotopy perturbation method to functional integral equations. *Chaos, Solitons and Fractals*, **2007**, 31, 1243-1247	9.3	91
273	Analytical solution of fractional Navier-Stokes equation by using modified Laplace decomposition method. *Ain Shams Engineering Journal*, **2014**, 5, 569-574	4.4	88
272	Radiation Effects on Mixed Convection over a Wedge Embedded in a Porous Medium Filled with a Nanofluid. *Transport in Porous Media*, **2012**, 91, 261-279	3.1	88
271	Soliton solutions for the Fitzhugh-Nagumo equation with the homotopy analysis method. *Applied Mathematical Modelling*, **2008**, 32, 2706-2714	4.5	88
270	Heat and mass transfer of thermophoretic MHD flow over an inclined radiate isothermal permeable surface in the presence of heat source/sink. *International Journal of Heat and Mass Transfer*, **2012**, 55, 2122-2128	4.9	86
269	Homotopy analysis method for the Kawahara equation. *Nonlinear Analysis: Real World Applications*, **2010**, 11, 307-312	2.1	86
268	Numerical Solutions of Fuzzy Differential Equations by Taylor Method. *Computational Methods in Applied Mathematics*, **2002**, 2, 113-124	1.2	85
267	LU decomposition method for solving fuzzy system of linear equations. *Applied Mathematics and Computation*, **2006**, 172, 633-643	2.7	84
266	The homotopy analysis method for multiple solutions of nonlinear boundary value problems. *Communications in Nonlinear Science and Numerical Simulation*, **2009**, 14, 3530-3536	3.7	82

265	Application of He homotopy perturbation method for Laplace transform. *Chaos, Solitons and Fractals*, **2006**, 30, 1206-1212	9.3	78
264	Iterated He homotopy perturbation method for quadratic Riccati differential equation. *Applied Mathematics and Computation*, **2006**, 175, 581-589	2.7	76
263	Numerical methods forfuzzy differential inclusions. *Computers and Mathematics With Applications*, **2004**, 48, 1633-1641	2.7	74
262	Fuzzy general linear systems. *Applied Mathematics and Computation*, **2005**, 169, 34-40	2.7	74
261	Numerical solution of non-linear Klein Gordon equations by variational iteration method. *International Journal for Numerical Methods in Engineering*, **2007**, 70, 876-881	2.4	73
260	A new application of the homotopy analysis method: Solving the Sturm Liouville problems. *Communications in Nonlinear Science and Numerical Simulation*, **2011**, 16, 112-126	3.7	71
259	The Lie-group shooting method for solving the Bratu equation. *Communications in Nonlinear Science and Numerical Simulation*, **2011**, 16, 4238-4249	3.7	71
258	Prediction of multiplicity of solutions of nonlinear boundary value problems: Novel application of homotopy analysis method. *Communications in Nonlinear Science and Numerical Simulation*, **2010**, 15, 3830-3846	3.7	71
257	Numerical investigation on mixed convective peristaltic flow of fourth grade fluid with Dufour and Soret effects. *Journal of the Taiwan Institute of Chemical Engineers*, **2014**, 45, 308-316	5.3	70
256	A meshfree method for the solution of two-dimensional cubic nonlinear Schrödinger equation. *Engineering Analysis With Boundary Elements*, **2013**, 37, 885-898	2.6	68
255	Conjugate gradient method for fuzzy symmetric positive definite system of linear equations. *Applied Mathematics and Computation*, **2005**, 171, 1184-1191	2.7	68
254	An approximation solution of a nonlinear equation with Riemann Liouville's fractional derivatives by He's variational iteration method. *Journal of Computational and Applied Mathematics*, **2007**, 207, 53-58	2.4	67
253	Numerical solution of linear Fredholm fuzzy integral equations of the second kind by Adomian method. *Applied Mathematics and Computation*, **2005**, 161, 733-744	2.7	67
252	Existence and uniqueness results for fractional differential equations with uncertainty. *Advances in Difference Equations*, **2012**, 2012,	3.6	66
251	The nearest trapezoidal fuzzy number to a fuzzy quantity. *Applied Mathematics and Computation*, **2004**, 156, 381-386	2.7	65
250	Joules and Newtonian heating effects on stagnation point flow over a stretching surface by means of genetic algorithm and Nelder-Mead method. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2015**, 25, 665-684	4.5	64
249	Homotopy analysis method for multiple solutions of the fractional Sturm-Liouville problems. *Numerical Algorithms*, **2010**, 54, 521-532	2.1	64
248	Tuning of reachable set in one dimensional fuzzy differential inclusions. *Chaos, Solitons and Fractals* , **2005**, 26, 1337-1341	9.3	63

247	Meshless simulations of the two-dimensional fractional-time convection–diffusion–reaction equations. *Engineering Analysis With Boundary Elements*, **2012**, 36, 1522-1527	2.6	61
246	Steepest descent method for system of fuzzy linear equations. *Applied Mathematics and Computation*, **2006**, 175, 823-833	2.7	61
245	The nearest trapezoidal form of a generalized left right fuzzy number. *International Journal of Approximate Reasoning*, **2006**, 43, 166-178	3.6	59
244	Newton-homotopy analysis method for nonlinear equations. *Applied Mathematics and Computation*, **2007**, 188, 1794-1800	2.7	58
243	Solving linear integro-differential equations system by using rationalized Haar functions method. *Applied Mathematics and Computation*, **2004**, 155, 317-328	2.7	58
242	Predictor homotopy analysis method and its application to some nonlinear problems. *Communications in Nonlinear Science and Numerical Simulation*, **2011**, 16, 2456-2468	3.7	57
241	Solitary wave solutions to the Kuramoto–Sivashinsky equation by means of the homotopy analysis method. *Nonlinear Dynamics*, **2008**, 52, 35-40	5	56
240	A numerical solution of Burgers' equation by modified Adomian method. *Applied Mathematics and Computation*, **2005**, 163, 1265-1272	2.7	56
239	MLPG method for two-dimensional diffusion equation with Neumann's and non-classical boundary conditions. *Applied Numerical Mathematics*, **2011**, 61, 170-180	2.5	55
238	Numerical method for solving linear Fredholm fuzzy integral equations of the second kind. *Chaos, Solitons and Fractals*, **2007**, 31, 138-146	9.3	55
237	On series solution for unsteady boundary layer equations in a special third grade fluid. *Communications in Nonlinear Science and Numerical Simulation*, **2011**, 16, 3140-3146	3.7	54
236	Steady flow and heat transfer of a Sisko fluid in annular pipe. *International Journal of Heat and Mass Transfer*, **2010**, 53, 1290-1297	4.9	53
235	Computational and theoretical pitfalls in some current performance measurement techniques; and a new approach. *Applied Mathematics and Computation*, **2006**, 181, 1199-1207	2.7	52
234	Newton's method for solving fuzzy nonlinear equations. *Applied Mathematics and Computation*, **2004**, 159, 349-356	2.7	52
233	The nearest approximation of a fuzzy quantity in parametric form. *Applied Mathematics and Computation*, **2006**, 172, 624-632	2.7	50
232	Local integration of 2-D fractional telegraph equation via moving least squares approximation. *Engineering Analysis With Boundary Elements*, **2015**, 56, 98-105	2.6	49
231	Homotopy analysis method for generalized Benjamin–Bona–Mahony equation. *Zeitschrift Fur Angewandte Mathematik Und Physik*, **2008**, 59, 51-62	1.6	49
230	Numerical and analytical solutions for Falkner–Skan flow of MHD Maxwell fluid. *Applied Mathematics and Computation*, **2014**, 242, 569-575	2.7	47

229	Numerical analysis of a mathematical model for capillary formation in tumor angiogenesis using a meshfree method based on the radial basis function. *Engineering Analysis With Boundary Elements*, **2012**, 36, 1811-1818	2.6	45
228	Analysis of steady flows in viscous fluid with heat/mass transfer and slip effects. *International Journal of Heat and Mass Transfer*, **2012**, 55, 6384-6390	4.9	45
227	A meshless method for two-dimensional diffusion equation with an integral condition. *Engineering Analysis With Boundary Elements*, **2010**, 34, 1031-1037	2.6	45
226	Numerical solution of fuzzy polynomials by fuzzy neural network. *Applied Mathematics and Computation*, **2006**, 181, 1084-1089	2.7	44
225	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. *Communications in Nonlinear Science and Numerical Simulation*, **2015**, 22, 1178-1200	3.7	43
224	A novel application of radial basis functions for solving a model of first-order integro-ordinary differential equation. *Communications in Nonlinear Science and Numerical Simulation*, **2011**, 16, 4250-4258	3.7	43
223	Numerical solution of a system of fuzzy polynomials by fuzzy neural network. *Information Sciences*, **2008**, 178, 1948-1960	7.7	42
222	Comparison of meshless local weak and strong forms based on particular solutions for a non-classical 2-D diffusion model. *Engineering Analysis With Boundary Elements*, **2014**, 39, 121-128	2.6	41
221	Mixed convection flow of a micropolar fluid over a continuously moving vertical surface immersed in a thermally and solutally stratified medium with chemical reaction. *Journal of the Taiwan Institute of Chemical Engineers*, **2014**, 45, 2163-2169	5.3	41
220	Solution of the MHD Falkner-Skan flow by Hankel-Padé method. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2009**, 373, 731-734	2.3	41
219	Minimal solution of general dual fuzzy linear systems. *Chaos, Solitons and Fractals*, **2008**, 37, 1113-1124	9.3	41
218	Solitary smooth hump solutions of the Camassa-Holm equation by means of the homotopy analysis method. *Chaos, Solitons and Fractals*, **2008**, 36, 581-591	9.3	40
217	Predictor homotopy analysis method: Two points second order boundary value problems. *Nonlinear Analysis: Real World Applications*, **2014**, 15, 89-99	2.1	39
216	A new method for solving fuzzy linear differential equations. *Computing (Vienna/New York)*, **2011**, 92, 181-197	2.2	39
215	Weighted trapezoidal approximation-preserving cores of a fuzzy number. *Computers and Mathematics With Applications*, **2010**, 59, 3066-3077	2.7	39
214	A fuzzy solution of heat equation under generalized Hukuhara differentiability by fuzzy Fourier transform. *Fuzzy Sets and Systems*, **2017**, 309, 81-97	3.7	37
213	A shooting reproducing kernel Hilbert space method for multiple solutions of nonlinear boundary value problems. *Journal of Computational and Applied Mathematics*, **2015**, 279, 293-305	2.4	37
212	THE ADOMIAN DECOMPOSITION METHOD APPLIED TO THE FUZZY SYSTEM OF FREDHOLM INTEGRAL EQUATIONS OF THE SECOND KIND. *International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems*, **2006**, 14, 101-110	0.8	37

211	Extended Newton's method for a system of nonlinear equations by modified Adomian decomposition method. *Applied Mathematics and Computation*, **2005**, 170, 648-656	2.7	37
210	Determination of optimal convergence-control parameter value in homotopy analysis method. *Numerical Algorithms*, **2013**, 64, 593-605	2.1	35
209	Entropy Generation Analysis for Stagnation Point Flow in a Porous Medium over a Permeable Stretching Surface. *Journal of Applied Fluid Mechanics*, **2015**, 8, 753-765	1.5	35
208	An improved numerical method for a class of astrophysics problems based on radial basis functions. *Physica Scripta*, **2011**, 83, 015011	2.6	34
207	A note on "The revised method of ranking LR fuzzy number based on deviation degree"*Expert Systems With Applications*, **2011**, 38, 13491-13492	7.8	34
206	Exact analytical solution of a nonlinear equation arising in heat transfer. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2010**, 374, 567-574	2.3	34
205	Modified homotopy perturbation method for nonlinear equations and comparison with Adomian decomposition method. *Applied Mathematics and Computation*, **2006**, 172, 431-438	2.7	34
204	A comparison study of meshfree techniques for solving the two-dimensional linear hyperbolic telegraph equation. *Engineering Analysis With Boundary Elements*, **2014**, 47, 10-20	2.6	33
203	Non-Darcy Natural Convection From a Vertical Cylinder Embedded in a Thermally Stratified and Nanofluid-Saturated Porous Media. *Journal of Heat Transfer*, **2014**, 136,	1.8	33
202	A new analytical technique to solve Fredholm's integral equations. *Numerical Algorithms*, **2011**, 56, 27-43	2.1	33
201	M-fractional derivative under interval uncertainty: Theory, properties and applications. *Chaos, Solitons and Fractals*, **2018**, 117, 84-93	9.3	33
200	Numerical solution of the system of nonlinear Volterra integro-differential equations with nonlinear differential part by the operational Tau method and error estimation. *Journal of Computational and Applied Mathematics*, **2009**, 231, 106-113	2.4	32
199	Newton's method for solving a system of fuzzy nonlinear equations. *Applied Mathematics and Computation*, **2006**, 175, 1189-1199	2.7	32
198	Perturbation analysis of a modified second grade fluid over a porous plate. *Nonlinear Analysis: Real World Applications*, **2011**, 12, 1774-1785	2.1	31
197	Finding optimal convergence control parameter in the homotopy analysis method to solve integral equations based on the stochastic arithmetic. *Numerical Algorithms*, **2019**, 81, 237-267	2.1	30
196	Improved predictor corrector method for solving fuzzy initial value problems. *Information Sciences*, **2009**, 179, 945-955	7.7	29
195	Heat flux performance in a porous medium embedded Maxwell fluid flow over a vertically stretched plate due to heat absorption. *Journal of Nonlinear Science and Applications*, **2016**, 09, 2986-3001	1.9	29
194	Artificial neural networks based modeling for solving Volterra integral equations system. *Applied Soft Computing Journal*, **2015**, 27, 391-398	7.5	28

193	A new method for solving fuzzy integro-differential equation under generalized differentiability. *Neural Computing and Applications*, **2012**, 21, 191-196	4.8	28
192	A new analytical technique to solve Volterra's integral equations. *Mathematical Methods in the Applied Sciences*, **2011**, 34, 1243-1253	2.3	28
191	Effects of partial slip on a fourth-grade fluid with variable viscosity: An analytic solution. *Nonlinear Analysis: Real World Applications*, **2010**, 11, 856-868	2.1	28
190	Numerical solution for Sakiadis flow of upper-convected Maxwell fluid using Cattaneo-Christov heat flux model. *AIP Advances*, **2016**, 6, 015208	1.5	28
189	PICARD-REPRODUCING KERNEL HILBERT SPACE METHOD FOR SOLVING GENERALIZED SINGULAR NONLINEAR LANE-EMDEN TYPE EQUATIONS. *Mathematical Modelling and Analysis*, **2015**, 20, 754-767	1.3	27
188	Numerical solution of the generalized Zakharov equation by homotopy analysis method. *Communications in Nonlinear Science and Numerical Simulation*, **2009**, 14, 4114-4121	3.7	27
187	Comparison between two common collocation approaches based on radial basis functions for the case of heat transfer equations arising in porous medium. *Communications in Nonlinear Science and Numerical Simulation*, **2011**, 16, 1396-1407	3.7	27
186	New homotopy analysis transform method for solving the discontinued problems arising in nanotechnology. *Chinese Physics B*, **2013**, 22, 110201	1.2	26
185	Evaluation of fuzzy regression models by fuzzy neural network. *Journal of Computational and Applied Mathematics*, **2010**, 234, 825-834	2.4	26
184	New perturbation-iteration solutions for nonlinear heat transfer equations. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2012**, 22, 814-828	4.5	25
183	Analytic continuation of Taylor series and the boundary value problems of some nonlinear ordinary differential equations. *Applied Mathematics and Computation*, **2011**, 218, 2178-2199	2.7	25
182	MHD Falkner-Skan flow of Maxwell fluid by rational Chebyshev collocation method. *Applied Mathematics and Mechanics (English Edition)*, **2013**, 34, 921-930	3.2	24
181	The exact solutions of fuzzy wave-like equations with variable coefficients by a variational iteration method. *Applied Soft Computing Journal*, **2011**, 11, 2186-2192	7.5	24
180	Fuzzy polynomial regression with fuzzy neural networks. *Applied Mathematical Modelling*, **2011**, 35, 5400-5412	4.5	24
179	Note on A new approach for defuzzification. *Fuzzy Sets and Systems*, **2002**, 128, 131-132	3.7	24
178	A numerical solution of Burgers equation by time discretization of Adomian's decomposition method. *Applied Mathematics and Computation*, **2005**, 170, 95-102	2.7	24
177	A meshless technique based on the pseudospectral radial basis functions method for solving the two-dimensional hyperbolic telegraph equation. *European Physical Journal Plus*, **2017**, 132, 1	3.1	23
176	Application of the operational matrix of fractional-order Legendre functions for solving the time-fractional convection diffusion equation. *Applied Mathematics and Computation*, **2015**, 266, 31-40	2.7	23

175	Exact analytical solution of the MHD Jeffery-Hamel flow problem. *Meccanica*, **2012**, 47, 1379-1389	2.1	23
174	Group analysis of the modified generalized Vakhnenko equation. *Communications in Nonlinear Science and Numerical Simulation*, **2013**, 18, 867-877	3.7	23
173	Solitary wave solutions to the modified form of Camassa-Holm equation by means of the homotopy analysis method. *Chaos, Solitons and Fractals*, **2009**, 39, 428-435	9.3	23
172	ANALYSIS OF SOME MAGNETOHYDRODYNAMIC FLOWS OF THIRD-ORDER FLUID SATURATING POROUS SPACE. *Journal of Porous Media*, **2015**, 18, 89-98	2.9	23
171	Some error estimates for the reproducing kernel Hilbert spaces method. *Journal of Computational and Applied Mathematics*, **2016**, 296, 789-797	2.4	22
170	Group preserving scheme for the Cauchy problem of the Laplace equation. *Engineering Analysis With Boundary Elements*, **2011**, 35, 1003-1009	2.6	22
169	A new approximate analytical technique for dual solutions of nonlinear differential equations arising in mixed convection heat transfer in a porous medium. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2017**, 27, 486-503	4.5	21
168	Unique and multiple PHAM series solutions of a class of nonlinear reactive transport model. *Numerical Algorithms*, **2012**, 61, 515-524	2.1	21
167	Improved analytical solutions to a stagnation-point flow past a porous stretching sheet with heat generation. *Journal of the Franklin Institute*, **2011**, 348, 2044-2058	4	21
166	Numerical Solution of Linear Fuzzy Fredholm Integral Equations of the Second Kind Using Fuzzy Haar Wavelet. *Communications in Computer and Information Science*, **2012**, 79-89	0.3	21
165	A numerical method for solving a class of functional and two dimensional integral equations. *Applied Mathematics and Computation*, **2008**, 198, 35-43	2.7	21
164	Steepest descent method for solving fuzzy nonlinear equations. *Applied Mathematics and Computation*, **2006**, 174, 669-675	2.7	21
163	HEAT TRANSFER THROUGH A POROUS SATURATED CHANNEL WITH PERMEABLE WALLS USING TWO-EQUATION ENERGY MODEL. *Journal of Porous Media*, **2013**, 16, 241-254	2.9	21
162	Analytical Solutions of Non-Linear Equations of Power-Law Fluids of Second Grade over an Infinite Porous Plate. *Mathematical and Computational Applications*, **2014**, 19, 124-133	1	20
161	Exact analytical solution of forced convection in a porous-saturated duct. *Communications in Nonlinear Science and Numerical Simulation*, **2011**, 16, 3981-3989	3.7	20
160	Numerical solution of fuzzy max-min systems. *Applied Mathematics and Computation*, **2006**, 174, 1321-1328	2.7	19
159	The use of the stochastic arithmetic to estimate the value of interpolation polynomial with optimal degree. *Applied Numerical Mathematics*, **2004**, 50, 279-290	2.5	19
158	Predictor homotopy analysis method (PHAM) for nano boundary layer flows with nonlinear Navier boundary condition: Existence of four solutions. *Filomat*, **2014**, 28, 1687-1697	0.7	19

157	Valid implementation of Sinc-collocation method to solve the fuzzy Fredholm integral equation. *Journal of Computational and Applied Mathematics*, **2020**, 370, 112632	2.4	19
156	Peristaltic Motion of Nanofluid in a Curved Channel. *Journal of Heat Transfer*, **2014**, 136,	1.8	18
155	A new attitude coupled with fuzzy thinking to fuzzy rings and fields. *Journal of Intelligent and Fuzzy Systems*, **2015**, 29, 851-861	1.6	18
154	Multiple solutions of mixed convection in a porous medium on semi-infinite interval using pseudo-spectral collocation method. *Communications in Nonlinear Science and Numerical Simulation*, **2011**, 16, 2745-2752	3.7	18
153	Analysis of Forced Convection in a Circular Tube Filled With a Darcy–Brinkman–Forchheimer Porous Medium Using Spectral Homotopy Analysis Method. *Journal of Fluids Engineering, Transactions of the ASME*, **2011**, 133,	2.1	18
152	Series Solutions of Boundary Layer Flow of a Micropolar Fluid Near the Stagnation Point Towards a Shrinking Sheet. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2009**, 64, 575-582	1.4	18
151	A collocation method for fractional diffusion equation in a long time with Chebyshev functions. *Applied Mathematics and Computation*, **2018**, 322, 55-65	2.7	18
150	The use of fuzzy expansion method for solving fuzzy linear Volterra-Fredholm integral equations. *Journal of Intelligent and Fuzzy Systems*, **2014**, 26, 1817-1822	1.6	17
149	A brief note on the computation of the Bödewadt flow with Navier slip boundary conditions. *Computers and Fluids*, **2014**, 90, 133-137	2.8	17
148	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. *European Physical Journal Plus*, **2013**, 128, 1	3.1	17
147	Numerical solution of fully fuzzy linear systems by fuzzy neural network. *Soft Computing*, **2011**, 15, 1513-1522	3.5	17
146	Effects of Thermocapillarity and Thermal Radiation on Flow and Heat Transfer in a Thin Liquid Film on an Unsteady Stretching Sheet. *Mathematical Problems in Engineering*, **2012**, 2012, 1-14	1.1	17
145	Numerical method for non-linear wave and diffusion equations by the variational iteration method. *International Journal for Numerical Methods in Engineering*, **2008**, 73, 1836-1843	2.4	17
144	Numerical approximation of fuzzy functions by fuzzy polynomials. *Applied Mathematics and Computation*, **2006**, 174, 1001-1006	2.7	17
143	A stochastic scheme for solving definite integrals. *Applied Numerical Mathematics*, **2005**, 55, 125-136	2.5	16
142	Reproducing kernel method for solving singularly perturbed differential-difference equations with boundary layer behavior in Hilbert space. *Journal of Computational and Applied Mathematics*, **2018**, 328, 30-43	2.4	15
141	A homotopy analysis solution to large deformation of beams under static arbitrary distributed load. *Applied Mathematical Modelling*, **2014**, 38, 355-368	4.5	15
140	Numerical Results of a Flow in a Third Grade Fluid between Two Porous Walls. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2009**, 64, 59-64	1.4	15

139	An iterative kernel based method for fourth order nonlinear equation with nonlinear boundary condition. *Communications in Nonlinear Science and Numerical Simulation*, **2018**, 59, 544-552	3.7	15
138	Pricing European and American Options Using a Very Fast and Accurate Scheme: The Meshless Local Petrov-Galerkin Method. *Proceedings of the National Academy of Sciences India Section A - Physical Sciences*, **2015**, 85, 337-351	0.9	14
137	A study on the mixed convection boundary layer flow and heat transfer over a vertical slender cylinder. *Thermal Science*, **2014**, 18, 1247-1258	1.2	14
136	Solving fuzzy second-order nonlinear Volterra-Fredholm integro-differential equations by using Picard method. *Neural Computing and Applications*, **2012**, 21, 337-346	4.8	14
135	Solving fuzzy fractional differential equations using Zadeh's extension principle. *Scientific World Journal, The*, **2013**, 2013, 454969	2.2	14
134	An Adaptive Pseudospectral Method for Fractional Order Boundary Value Problems. *Abstract and Applied Analysis*, **2012**, 2012, 1-19	0.7	14
133	INTERPOLATION OF FUZZY DATA BY USING FUZZY SPLINES. *International Journal of Uncertainty, Fuzziness and Knowlege-Based Systems*, **2008**, 16, 107-115	0.8	14
132	Solution of Lane-Emden Type Equations by Combination of the Spectral Method and Adomian Decomposition Method. *Mathematical Problems in Engineering*, **2015**, 2015, 1-10	1.1	13
131	Solving nonlinear fuzzy differential equations by using fuzzy variational iteration method. *Soft Computing*, **2014**, 18, 2191-2200	3.5	13
130	Solution of time-varying delay systems using an adaptive collocation method. *Applied Mathematics and Computation*, **2012**, 219, 1434-1448	2.7	13
129	Solving system of second-order BVPs using a new algorithm based on reproducing kernel Hilbert space. *Applied Numerical Mathematics*, **2020**, 151, 27-39	2.5	13
128	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. *Engineering Analysis With Boundary Elements*, **2018**, 87, 36-46	2.6	13
127	A matrix formulation to the wave equation with non-local boundary condition. *International Journal of Computer Mathematics*, **2011**, 88, 1681-1696	1.2	12
126	On comparison of exact and series solutions for thin film flow of a third-grade fluid. *International Journal for Numerical Methods in Fluids*, **2009**, 61, 987-994	1.9	12
125	The Analysis Approach of Boundary Layer Equations of Power-Law Fluids of Second Grade. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2008**, 63, 564-570	1.4	12
124	The Lie-group method based on radial basis functions for solving nonlinear high dimensional generalized Benjamin-Bona-Mahony-Burgers equation in arbitrary domains. *Applied Mathematics and Computation*, **2018**, 321, 223-243	2.7	12
123	Direct solution of a type of constrained fractional variational problems via an adaptive pseudospectral method. *Journal of Computational and Applied Mathematics*, **2015**, 283, 41-57	2.4	11
122	Solutions of the magnetohydrodynamic flow over a nonlinear stretching sheet and nano boundary layers over stretching surfaces. *International Journal for Numerical Methods in Fluids*, **2012**, 70, 1324-1340	1.9	11

121 Poiseuille Flow of a Third Grade Fluid in a Porous Medium. *Transport in Porous Media*, **2011**, 87, 355-366 3.1 11

120 On comparison of series and numerical solutions for second Painlevé equation. *Numerical Methods for Partial Differential Equations*, **2010**, 26, 1070-1078 2.5 11

119 Fractional relaxation-oscillation differential equations via fuzzy variational iteration method. *Journal of Intelligent and Fuzzy Systems*, **2017**, 32, 363-371 1.6 10

118 Two parameters Lie group analysis and numerical solution of unsteady free convective flow of non-Newtonian fluid. *AEJ - Alexandria Engineering Journal*, **2016**, 55, 2299-2308 6.1 10

117 New efficient methods for solving nonlinear systems of equations with arbitrary even order. *Applied Mathematics and Computation*, **2016**, 287-288, 94-103 2.7 10

116 Analytical flow study of a conducting Maxwell fluid through a porous saturated channel at various wall boundary conditions. *European Physical Journal Plus*, **2014**, 129, 1 3.1 10

115 Reproducing kernel method for the numerical solution of the Brinkman-Forchheimer momentum equation. *Journal of Computational and Applied Mathematics*, **2017**, 311, 262-271 2.4 10

114 Convective transport of nanoparticles in multi-layer fluid flow. *Applied Mathematics and Mechanics (English Edition)*, **2013**, 34, 177-188 3.2 10

113 Triangular approximations of fuzzy numbers using α-weighted valuations. *Soft Computing*, **2010**, 14, 71-79 3.5 10

112 A Geometric Approach for Solving Troesch's Problem. *Bulletin of the Malaysian Mathematical Sciences Society*, **2017**, 40, 97-116 1.2 9

111 Exact closed form solutions to nonlinear model of heat transfer in a straight fin. *International Journal of Thermal Sciences*, **2017**, 116, 45-51 4.1 9

110 Normalized Bernstein polynomials in solving space-time fractional diffusion equation. *Advances in Difference Equations*, **2017**, 2017, 3.6 9

109 A spectral method for the electrohydrodynamic flow in a circular cylindrical conduit. *Chinese Annals of Mathematics Series B*, **2015**, 36, 307-322 0.4 9

108 Variational Iteration Method for Solving n -th Order Fuzzy Differential Equations. *Mathematical and Computational Applications*, **2011**, 16, 819-829 1 9

107 Numerical Solution of N-Order Fuzzy Differential Equations by Runge-Kutta Method. *Mathematical and Computational Applications*, **2011**, 16, 935-946 1 9

106 On flow of a fourth-grade fluid with heat transfer. *International Journal for Numerical Methods in Fluids*, **2011**, 67, 2043-2053 1.9 9

105 The Series Solution of Problems in the Calculus of Variations via the Homotopy Analysis Method. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2009**, 64, 30-36 1.4 9

104 Analysis of IVPs and BVPs on Semi-Infinite Domains via Collocation Methods. *Journal of Applied Mathematics*, **2012**, 2012, 1-21 1.1 9

103	Interpolation of fuzzy data by natural splines. *Korean Journal of Computational and Applied Mathematics*, **1998**, 5, 457-463		9
102	Interpolation of fuzzy data by complete splines. *Korean Journal of Computational and Applied Mathematics*, **2001**, 8, 587-594		9
101	Numerical Study on Gas Flow through a Micro-Nano Porous Media. *Acta Physica Polonica A*, **2012**, 121, 581-585	0.6	9
100	Numerical solution of a modified anomalous diffusion equation with nonlinear source term through meshless singular boundary method. *Engineering Analysis With Boundary Elements*, **2019**, 107, 198-207	2.6	8
99	Application of Reproducing Kernel Hilbert Space Method for Solving a Class of Nonlinear Integral Equations. *Mathematical Problems in Engineering*, **2017**, 2017, 1-10	1.1	8
98	Solving fully fuzzy linear systems by using implicit Gauss Cholesky algorithm. *Computational Mathematics and Modeling*, **2012**, 23, 107-124	0.5	8
97	The homotopy analysis method and the Liénard equation. *International Journal of Computer Mathematics*, **2011**, 88, 121-134	1.2	8
96	Application of Variational Iteration Method for nth-Order Integro-Differential Equations. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2009**, 64, 439-444	1.4	8
95	Analytic Solution of the Sharma-Tasso-Olver Equation by Homotopy Analysis Method. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2010**, 65, 285-290	1.4	8
94	A new approach to universal approximation of fuzzy functions on a discrete set of points. *Applied Mathematical Modelling*, **2006**, 30, 1525-1534	4.5	8
93	Formulas for the Amplitude of the van der Pol Limit Cycle through the Homotopy Analysis Method. *Scholarly Research Exchange*, **2009**, 2009, 1-7		8
92	Local variably scaled Newton basis functions collocation method for solving Burgers equation. *Applied Mathematics and Computation*, **2018**, 330, 23-41	2.7	7
91	Block-Pulse Functions in the Method of Successive Approximations for Nonlinear Fuzzy Fredholm Integral Equations. *Differential Equations and Dynamical Systems*, **2019**, 1	0.8	7
90	Exact analytical solution to the Poisson-Boltzmann equation for semiconductor devices. *European Physical Journal Plus*, **2014**, 129, 1	3.1	7
89	Solutions for MHD viscous flow due to a shrinking sheet by Hankel-Padé method. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2013**, 23, 388-400	4.5	7
88	Analytical solution of the transpiration on the boundary layer flow and heat transfer over a vertical slender cylinder. *Quaestiones Mathematicae*, **2013**, 36, 353-380	0.6	7
87	Interpolation of fuzzy data by Hermite polynomial. *International Journal of Computer Mathematics*, **2005**, 82, 595-600	1.2	7
86	Chebyshev reproducing kernel method: application to two-point boundary value problems. *Advances in Difference Equations*, **2017**, 2017,	3.6	6

85	Computational method based on reproducing kernel for solving singularly perturbed differential-difference equations with a delay. *Applied Mathematics and Computation*, **2019**, 361, 583-598	2.7	6
84	Solving fractional-order delay integro-differential equations using operational matrix based on fractional-order Euler polynomials. *Mathematical Sciences*, **2020**, 14, 97-107	1.6	6
83	Approximate analytical solutions to thermo-poroelastic equations by means of the iterated homotopy analysis method. *International Journal of Computer Mathematics*, **2011**, 88, 1763-1775	1.2	6
82	Application of the Variational Iteration Method to Nonlinear Volterra's Integro-Differential Equations. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2008**, 63, 538-542	1.4	6
81	The Variational Iteration Method for a Class of Eighth-Order Boundary-Value Differential Equations. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2008**, 63, 745-751	1.4	6
80	Numerical Solution of Improper Integrals with Valid Implementation. *Mathematical and Computational Applications*, **2002**, 7, 83-91	1	6
79	Flow and Heat Transfer in a Nanofluid Thin Film Over an Unsteady Stretching Sheet **2018**, 47, 1599-1605		6
78	A new class of polynomial functions equipped with a parameter. *Mathematical Sciences*, **2017**, 11, 127-130	1.6	5
77	Existence and numerical simulation of periodic traveling wave solutions to the Casimir equation for the Ito system. *Communications in Nonlinear Science and Numerical Simulation*, **2015**, 27, 254-262	3.7	5
76	Solving the Dym initial value problem in reproducing kernel space. *Numerical Algorithms*, **2018**, 78, 405-421	2.1	5
75	Application of fuzzy Picard method for solving fuzzy quadratic Riccati and fuzzy Painlevé equations. *Applied Mathematical Modelling*, **2016**, 40, 8125-8137	4.5	5
74	Reproducing kernel method for the numerical solution of the 1D Swift-Hohenberg equation. *Applied Mathematics and Computation*, **2018**, 339, 132-143	2.7	5
73	A super accurate shifted Tau method for numerical computation of the Sobolev-type differential equation with nonlocal boundary conditions. *Applied Mathematics and Computation*, **2014**, 236, 683-692	2.7	5
72	On Solutions of Linear Fractional Differential Equations with Uncertainty. *Abstract and Applied Analysis*, **2013**, 2013, 1-13	0.7	5
71	Solitary-wave solutions of the Degasperis-Procesi equation by means of the homotopy analysis method. *International Journal of Computer Mathematics*, **2010**, 87, 2303-2313	1.2	5
70	A Fuzzy Distance between Two Fuzzy Numbers. *Communications in Computer and Information Science*, **2010**, 376-382	0.3	5
69	Finding the one-loop soliton solution of the short-pulse equation by means of the homotopy analysis method. *Numerical Methods for Partial Differential Equations*, **2009**, 25, 401-408	2.5	5
68	A new modification of false position method based on homotopy analysis method. *Applied Mathematics and Mechanics (English Edition)*, **2008**, 29, 223-228	3.2	5

67	The exact closed solution in the analysis of a natural convection porous fin with temperature-dependent thermal conductivity and internal heat generation. *Canadian Journal of Physics*, **2019**, 97, 566-575	1.1	5
66	A new class of polynomial functions for approximate solution of generalized Benjamin⊠Bona⊠Mahony⊠Burgers (gBBMB) equations. *Applied Mathematics and Computation*, **2020**, 367, 124765	2.7	5
65	Slip effects on MHD boundary layer flow of Oldroyd-B fluid past a stretching sheet: An analytic solution. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2017**, 39, 3389-3397	2	4
64	An iterative multistep kernel based method for nonlinear Volterra integral and integro-differential equations of fractional order. *Journal of Computational and Applied Mathematics*, **2019**, 361, 97-112	2.4	4
63	Multiplicity results and closed-form solution for catalytic reaction in a flat particle. *Journal of the Taiwan Institute of Chemical Engineers*, **2015**, 48, 49-55	5.3	4
62	A New Variational Iteration Method for a Class of Fractional Convection-Diffusion Equations in Large Domains. *Mathematics*, **2017**, 5, 26	2.3	4
61	A new similarity measure for generalized fuzzy numbers. *Neural Computing and Applications*, **2012**, 21, 289-294	4.8	4
60	A New Semi-Analytical Solution of the Telegraph Equation with Integral Condition. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2011**, 66, 760-768	1.4	4
59	A new method based on polynomials equipped with a parameter to solve two parabolic inverse problems with a nonlocal boundary condition. *Inverse Problems in Science and Engineering*, **2020**, 28, 739-753	1.2	4
58	Numerical simulation based on meshless technique to study the biological population model. *Mathematical Sciences*, **2016**, 10, 123-130	1.6	4
57	A reproducing kernel Hilbert space approach in meshless collocation method. *Computational and Applied Mathematics*, **2019**, 38, 1	2.4	3
56	A fuzzy generalized power series method under generalized Hukuhara differentiability for solving fuzzy Legendre differential equation. *Soft Computing*, **2020**, 24, 8763-8779	3.5	3
55	Solving a class of singular two-point boundary value problems using new effective reproducing kernel technique. *Applied Mathematics and Computation*, **2018**, 331, 264-273	2.7	3
54	A comment on ⊠Global solutions for nonlinear fuzzy fractional integral and integrodifferential equations⊠. *Communications in Nonlinear Science and Numerical Simulation*, **2014**, 19, 1256-1258	3.7	3
53	An efficient method to obtain semi-analytical solutions of the nano boundary layers over stretching surfaces. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2013**, 23, 1179-1191	4.5	3
52	Optimum Path of a Flying Object with Exponentially Decaying Density Medium. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2009**, 64, 431-438	1.4	3
51	On series solution for generalized Falkner⊠Skan flow of a FENE-P model. *International Journal for Numerical Methods in Fluids*, **2009**, 61, 698-708	1.9	3
50	Analytical Solutions of the Slip Magnetohydrodynamic Viscous Flow over a Stretching Sheet by Using the Laplace⊠Adomian Decomposition Method. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2012**, 67, 248-254	1.4	3

49	Series Solution of the System of Integro-Differential Equations. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2009**, 64, 811-818	1.4	3
48	Fuzzy fractional differential equations with Nagumo and Krasnoselskii-Krein condition **2011**,		3
47	IMPLEMENTING REPRODUCING KERNEL METHOD TO SOLVE SINGULARLY PERTURBED CONVECTION-DIFFUSION PARABOLIC PROBLEMS. *Mathematical Modelling and Analysis*, **2021**, 26, 116-134	1.2	3
46	Analytical and numerical approaches for Falkner-Skan flow of MHD Maxwell fluid using a non-Fourier heat flux model. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2018**, 28, 1539-1555	4.5	3
45	Meshless singular boundary method for two-dimensional pseudo-parabolic equation: analysis of stability and convergence. *Journal of Applied Mathematics and Computing*, **2020**, 63, 585-606	1.8	2
44	Pseudospectral methods based on nonclassical orthogonal polynomials for solving nonlinear variational problems. *International Journal of Computer Mathematics*, **2014**, 91, 1552-1573	1.2	2
43	Variable Shape Parameter Strategy in Local Radial Basis Functions Collocation Method for Solving the 2D Nonlinear Coupled Burgers Equations. *Mathematics*, **2017**, 5, 38	2.3	2
42	Approximating the Solution of the Linear and Nonlinear Fuzzy Volterra Integrodifferential Equations Using Expansion Method. *Abstract and Applied Analysis*, **2014**, 2014, 1-7	0.7	2
41	Chebyshev Wavelet Finite Difference Method: A New Approach for Solving Initial and Boundary Value Problems of Fractional Order. *Abstract and Applied Analysis*, **2013**, 2013, 1-15	0.7	2
40	Existence and Uniqueness of Solution of an Uncertain Characteristic Cauchy Reaction-Diffusion Equation by Adomian Decomposition Method. *Mathematical and Computational Applications*, **2010**, 15, 404-419	1	2
39	AUTOMATIC AUGMENTED GALERKIN ALGORITHMS FOR FREDHOLM INTEGRAL EQUATIONS OF THE FIRST KIND. *Acta Mathematica Scientia*, **1997**, 17, 69-84	0.7	2
38	Fuzzy linguistic model for interpolation. *Chaos, Solitons and Fractals*, **2007**, 34, 551-556	9.3	2
37	A new decomposition method based on infinite products. *Kybernetes*, **2005**, 34, 1027-1033	2	2
36	Interpolation of fuzzy data by Hermite polynomial. *International Journal of Computer Mathematics*, **2005**, 82, 1541-1545	1.2	2
35	Pseudospectral meshless radial point interpolation for generalized biharmonic equation in the presence of Cahn-Hilliard conditions. *Computational and Applied Mathematics*, **2020**, 39, 1	2.4	2
34	Ranking fuzzy numbers using fuzzy maximizing-minimizing points **2011**,		2
33	Meshless formulation to two-dimensional nonlinear problem of generalized Benjamin-Bona-Mahony-Burgers through singular boundary method: Analysis of stability and convergence. *Numerical Methods for Partial Differential Equations*, **2020**, 36, 249-267	2.5	2
32	Resolution of single-variable fuzzy polynomial equations and an upper bound on the number of solutions. *Soft Computing*, **2019**, 23, 837-845	3.5	2

31	A Study of Fuzzy Methods for Solving System of Fuzzy Differential Equations. *New Mathematics and Natural Computation*, **2021**, 17, 1-27	0.6	2
30	Fundamental Solution via Invariant Approach for a Brain Tumor Model and its Extensions. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2014**, 69, 725-732	1.4	1
29	Solving fully fuzzy linear systems using implicit gauss–holesky algorithm. *Computational Mathematics and Modeling*, **2012**, 23, 368-385	0.5	1
28	. *Mathematical Sciences*, **2012**, 6, 40	1.6	1
27	On the Analytic Solution for a Steady Magnetohydrodynamic Equation. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2013**, 68, 412-420	1.4	1
26	Ranking Fuzzy Numbers and Its Extensions. *Mathematical Problems in Engineering*, **2013**, 2013, 1-1	1.1	1
25	A Review: Differential Transform Method for Semi-Analytical Solution of Differential Equations. *International Journal of Applied Mechanics and Engineering*, **2020**, 25, 122-129	0.6	1
24	The Fragile Points Method (FPM) to solve two-dimensional hyperbolic telegraph equation using point stiffness matrices. *Engineering Analysis With Boundary Elements*, **2022**, 134, 11-21	2.6	1
23	Semi-Analytical Solution of Two-Dimensional Viscous Flow through Expanding/Contracting Gaps with Permeable Walls. *Mathematical and Computational Applications*, **2021**, 26, 41	1	1
22	Numerical solution of nonlinear delay differential equations of fractional variable-order using a novel shifted Jacobi operational matrix. *Engineering With Computers*,1	4.5	1
21	Reproducing kernel method to solve non-local fractional boundary value problem. *Mathematical Sciences*,1	1.6	1
20	Interpolation of Fuzzy Data by Cubic and Piecewise-Polynomial Cubic Hermites. *Indian Journal of Science and Technology*, **2016**, 9,	1	1
19	Solving Riccati Fuzzy Differential Equations. *New Mathematics and Natural Computation*, **2021**, 17, 29-43	0.6	1
18	Numerical solution to the Falkner-Skan equation: a novel numerical approach through the new rational a-polynomials. *Applied Mathematics and Mechanics (English Edition)*, **2021**, 42, 1449-1460	3.2	1
17	Analysis of New RBF-FD Weights, Calculated Based on Inverse Quadratic Functions. *Journal of Mathematics*, **2022**, 2022, 1-7	1.2	1
16	Fuzzy reproducing kernel space method for solving fuzzy boundary value problems. *Mathematical Sciences*, **2019**, 13, 97-103	1.6	0
15	Generalized Hukuhara conformable fractional derivative and its application to fuzzy fractional partial differential equations. *Soft Computing*, **2022**, 26, 2135	3.5	0
14	Pseudospectral meshless radial point interpolation for generalized biharmonic equation subject to simply supported and clamped boundary conditions. *Engineering Analysis With Boundary Elements*, **2021**, 125, 23-32	2.6	0

13	A study on the fuzzy parabolic Volterra partial integro-differential equations. *Journal of Intelligent and Fuzzy Systems*, **2021**, 40, 1639-1654	1.6	0
12	On the analysis of a kind of nonlinear Sobolev equation through locally applied pseudo-spectral meshfree radial point interpolation. *Numerical Methods for Partial Differential Equations*, **2021**, 37, 462-478	2.5	0
11	Applying the Reproducing Kernel Method to Fractional Differential Equations with Periodic Conditions in Hilbert Space. *Journal of Mathematics*, **2022**, 2022, 1-10	1.2	0
10	Chapter 2: Predictor Homotopy Analysis Method (PHAM) **2014**, 35-83		
9	A Comparative Study Between two Explicit and Minimal Strategies for the Case of Magnetohydrodynamical Falkner–Skan Flow over a Permeable Wall. *Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences*, **2014**, 69, 263-272	1.4	
8	Progress and Regress of Time Dependent Data and Application in Bank Branch. *Journal of Applied Mathematics*, **2014**, 2014, 1-9	1.1	
7	Toward a New Algorithm for Nonlinear Fractional Differential Equations. *Advances in Applied Mathematics and Mechanics*, **2013**, 5, 222-234	2.1	
6	On Series Solutions for MHD Plane and Axisymmetric Flow Near a Stagnation Point. *Mathematical Problems in Engineering*, **2009**, 2009, 1-10	1.1	
5	Numerical implementations of Cauchy-type integral equations. *Korean Journal of Computational and Applied Mathematics*, **2002**, 9, 253-260		
4	An automatic augmented galerkin method for singular integral equations with Hilbert kernel. *Korean Journal of Computational and Applied Mathematics*, **2001**, 8, 337-345		
3	Cardinal Basis Piecewise Hermite Interpolation on Fuzzy Data. *Advances in Fuzzy Systems*, **2016**, 2016, 1-8	1.7	
2	Meshless Local Petrov–Galerkin Formulation of Inverse Stefan Problem via Moving Least Squares Approximation. *Mathematical and Computational Applications*, **2019**, 24, 101	1	
1	Two-Dimensional Müntz–Legendre Wavelet Method for Fuzzy Hybrid Differential Equations. *New Mathematics and Natural Computation*, 1-21	0.6	