Snehashish Chakraverty

List of Publications by Year in Descending Order

327 papers	**3,462** citations	**30** h-index	**44** g-index
352 ext. papers	**4,156** ext. citations	**2.6** avg, IF	**6.58** L-index

#	Paper	IF	Citations
327	Fuzzy-Affine Approach in Dynamic Analysis of Uncertain Structural Systems. *Studies in Computational Intelligence*, **2022**, 31-71	0.8	
326	Curriculum Learning-Based Artificial Neural Network Model for Solving Differential Equations. *Studies in Computational Intelligence*, **2022**, 129-145	0.8	0
325	Type-2 Fuzzy Linear Eigenvalue Problems with Application in Dynamic Structures. *Studies in Computational Intelligence*, **2022**, 93-108	0.8	
324	Uncertain Structural Parameter Identification by Intelligent Neural Training. *Studies in Computational Intelligence*, **2022**, 165-181	0.8	
323	Fuzzy Dynamical System in Alcohol-Related Health Risk Behaviors and Beliefs. *Studies in Computational Intelligence*, **2022**, 109-127	0.8	
322	Sign function and ANN based pole placement for computing interval controls. *ISA Transactions*, **2022**, 119, 17-24	5.5	
321	Homotopy Perturbation Method for Solving Fuzzy Fractional Heat-Conduction Equation. *Studies in Fuzziness and Soft Computing*, **2022**, 159-169	0.7	0
320	Mathematical Modeling of Radon-Transport Mechanism with Imprecise Parameters **2022**, 221-243		
319	Solution of Interval-Modified Kawahara Differential Equations using Homotopy Perturbation Transform Method **2022**, 193-202		0
318	Solution of Fractional Wave Equation by Homotopy Perturbation Method **2022**, 263-277		0
317	Application of modified extended tanh method in solving fractional order coupled wave equations. *Mathematics and Computers in Simulation*, **2022**, 198, 509-520	3.3	2
316	Free vibration of functionally graded beam embedded in Winkler-Pasternak elastic foundation with geometrical uncertainties using symmetric Gaussian fuzzy number. *European Physical Journal Plus*, **2022**, 137, 1	3.1	1
315	Thermal vibration of nonhomogeneous Euler nanobeam resting on Winkler foundation. *Engineering Analysis With Boundary Elements*, **2022**, 140, 581-591	2.6	0
314	Wavelet-based techniques for Hygro-Magneto-Thermo vibration of nonlocal strain gradient nanobeam resting on Winkler-Pasternak elastic foundation. *Engineering Analysis With Boundary Elements*, **2022**, 140, 494-506	2.6	0
313	Differential quadrature and Adomian decomposition methods for solving thermal vibration of Euler nanobeam resting on Winkler Pasternak foundation. *Journal of Mechanics of Materials and Structures*, **2021**, 16, 555-572	1.2	0
312	Forward and inverse techniques for fuzzy fractional systems applied to radon transport in soil chambers. *Chaos, Solitons and Fractals*, **2021**, 147, 110916	9.3	1
311	Numerical Solution of an Interval-Based Uncertain SIR (Susceptible Infected Recovered) Epidemic Model by Homotopy Analysis Method. *Axioms*, **2021**, 10, 114	1.6	

310   Study of Jeffery-Hamel flow problem for nanofluid with fuzzy volume fraction using double parametric based Adomian decomposition method. *International Communications in Heat and Mass Transfer*, **2021**, 126, 105435   5.8   4

309   Uncertainties in Coupled Biological Systems. *Proceedings of the National Academy of Sciences India Section A - Physical Sciences*, **2021**, 91, 201-215   0.9

308   On the wave solutions of time-fractional Sawada-Kotera-Ito equation arising in shallow water. *Mathematical Methods in the Applied Sciences*, **2021**, 44, 583-592   2.3   9

307   Homotopy perturbation method for predicting tsunami wave propagation with crisp and uncertain parameters. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2021**, 31, 92-105   4.5   3

306   Analysis of time-fractional dynamical model of romantic and interpersonal relationships with non-singular kernels: A comparative study. *Mathematical Methods in the Applied Sciences*, **2021**, 44, 2183-2199   2.3   4

305   Analysis of time-fractional fuzzy vibration equation of large membranes using double parametric based Residual power series method. *ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik*, **2021**, 101, e202000165   1   3

304   SIR epidemic model of childhood diseases through fractional operators with Mittag-Leffler and exponential kernels. *Mathematics and Computers in Simulation*, **2021**, 182, 514-534   3.3   12

303   Application of homotopy perturbation method in inverse analysis of Jeffery Hamel flow problem. *European Journal of Mechanics, B/Fluids*, **2021**, 86, 107-112   2.4   3

302   Implementation of Haar wavelet, higher order Haar wavelet, and differential quadrature methods on buckling response of strain gradient nonlocal beam embedded in an elastic medium. *Engineering With Computers*, **2021**, 37, 1251-1264   4.5   23

301   Stability analysis of single-walled carbon nanotubes embedded in winkler foundation placed in a thermal environment considering the surface effect using a new refined beam theory. *Mechanics Based Design of Structures and Machines*, **2021**, 49, 581-595   1.7   32

300   Artificial neural network approach for solving fractional order applied problems **2021**, 163-175   0

299   Speech emotion recognition using deep learning **2021**, 177-187

298   Fuzzy eigenvalue problems of structural dynamics using ANN **2021**, 145-161   2

297   Inverse problems in diffusion processes with uncertain parameters **2021**, 85-95

296   Coupled shallow water wave equations **2021**, 45-55

295   Affine approach in solving linear structural dynamic problems with uncertain parameters **2021**, 97-121

294   Nanostructural dynamics problems with complicating effects **2021**, 1-9

293   Natural convection in a nanofluid flow **2021**, 57-70

274	Single layer Chebyshev neural network model with regression-based weights for solving nonlinear ordinary differential equations. *Evolutionary Intelligence*, **2020**, 13, 687-694	1.7	9
273	A novel analytical technique for the solution of time-fractional Ivancevic option pricing model. *Physica A: Statistical Mechanics and Its Applications*, **2020**, 550, 124380	3.3	17
272	Time-Fractional Order Biological Systems with Uncertain Parameters. *Synthesis Lectures on Mathematics and Statistics*, **2020**, 12, 1-160	0.6	5
271	Modeling and Simulation of Nanofluid Flow Problems. *Synthesis Lectures on Mechanical Engineering*, **2020**, 5, 1-89	0.1	1
270	Stability analysis of Timoshenko nanobeam with material uncertainties using a double-parametric form-based analytical approach and Monte Carlo simulation technique. *European Physical Journal Plus*, **2020**, 135, 1	3.1	6
269	Solitary wave solution for a generalized Hirota-Satsuma coupled KdV and MKdV equations: A semi-analytical approach. *AEJ - Alexandria Engineering Journal*, **2020**, 59, 2877-2889	6.1	11
268	Connectionist based models for solving Diophantine equation. *Journal of Interdisciplinary Mathematics*, **2020**, 23, 825-841	1.2	1
267	Implementation of non-probabilistic methods for stability analysis of nonlocal beam with structural uncertainties. *Engineering With Computers*, **2020**, 37, 2957	4.5	22
266	Vibration and buckling characteristics of nonlocal beam placed in a magnetic field embedded in WinklerPasternak elastic foundation using a new refined beam theory: an analytical approach. *European Physical Journal Plus*, **2020**, 135, 1	3.1	26
265	On the solution of time-fractional dynamical model of Brusselator reaction-diffusion system arising in chemical reactions. *Mathematical Methods in the Applied Sciences*, **2020**, 43, 3903	2.3	12
264	Advancements and Role of Emotion Recognition in the 4th Industrial Revolution. *Lecture Notes in Electrical Engineering*, **2020**, 179-203	0.2	0
263	Transverse Vibration of Thick Triangular Plates Based on a Proposed Shear Deformation Theory. *Lecture Notes in Mechanical Engineering*, **2020**, 1-15	0.4	
262	Natural Convection of Non-Newtonian Nanofluid Flow Between Two Vertical Parallel Plates in Uncertain Environment. *Lecture Notes in Mechanical Engineering*, **2020**, 295-309	0.4	
261	Eigenvalue Problems of Structural Dynamics Using ANN. *Lecture Notes in Mechanical Engineering*, **2020**, 343-360	0.4	
260	Finite Difference Solution of Diffusion Equation Describing the Flow of Radon Through Soil with Uncertain Parameters. *Lecture Notes in Mechanical Engineering*, **2020**, 311-326	0.4	
259	Artificial Neural Network Based Solution of Fractional Vibration Model. *Lecture Notes in Mechanical Engineering*, **2020**, 393-406	0.4	2
258	Differential Quadrature Method for Solving Fifth-Order KdV Equations. *Lecture Notes in Mechanical Engineering*, **2020**, 361-369	0.4	1
257	Structural Parameter Identification Using Interval Functional Link Neural Network. *Lecture Notes in Mechanical Engineering*, **2020**, 139-150	0.4	

256	Boundary Characteristic Orthogonal Polynomials-Based Galerkin and Least Square Methods for Solving Bagley–Torvik Equations. *Lecture Notes in Mechanical Engineering*, **2020**, 327-342	0.4	2
255	Vibration Analysis of Nonuniform Single-Walled Carbon Nanotube Resting on Winkler Elastic Foundation Using DQM. *Lecture Notes in Mechanical Engineering*, **2020**, 371-391	0.4	4
254	Affine Approach to Solve Nonlinear Eigenvalue Problems of Structures with Uncertain Parameters. *Lecture Notes in Mechanical Engineering*, **2020**, 407-425	0.4	3
253	Speech Emotion Recognition Using Neural Network and Wavelet Features. *Lecture Notes in Mechanical Engineering*, **2020**, 427-438	0.4	2
252	Validated Enclosure of Uncertain Nonlinear Equations Using SIVIA Monte Carlo. *Lecture Notes in Mechanical Engineering*, **2020**, 455-468	0.4	1
251	Solving the nondeterministic static governing equations of structures subjected to various forces under fuzzy and interval uncertainty. *International Journal of Approximate Reasoning*, **2020**, 116, 43-61	3.6	4
250	Neural network approach for solving nonlinear eigenvalue problems of structural dynamics. *Neural Computing and Applications*, **2020**, 32, 10669-10677	4.8	4
249	ANN Based Solution of Uncertain Linear Systems of Equations. *Neural Processing Letters*, **2020**, 51, 1957-1971	3.1	4
248	Fuzzy Modeling for the Dynamics of Alcohol-Related Health Risks with Changing Behaviors via Cultural Beliefs. *Journal of Applied Mathematics*, **2020**, 2020, 1-9	1.1	2
247	A novel Chebyshev neural network approach for solving singular arbitrary order Lane-Emden equation arising in astrophysics. *Network: Computation in Neural Systems*, **2020**, 31, 142-165	0.7	1
246	New Aspects of ZZ Transform to Fractional Operators With Mittag-Leffler Kernel. *Frontiers in Physics*, **2020**, 8,	3.9	6
245	Analysis of the dynamics of phytoplankton nutrient and whooping cough models with nonsingular kernel arising in the biological system. *Chaos, Solitons and Fractals*, **2020**, 141, 110373	9.3	3
244	New optical soliton solutions for Triki–Biswas model by new extended direct algebraic method. *Modern Physics Letters B*, **2020**, 34, 2150023	1.6	5
243	Implementation of Hermite–Ritz method and Navier's technique for vibration of functionally graded porous nanobeam embedded in Winkler–Pasternak elastic foundation using bi-Helmholtz nonlocal elasticity. *Journal of Mechanics of Materials and Structures*, **2020**, 15, 405-434	1.2	18
242	Application of shifted Chebyshev polynomial-based Rayleigh–Ritz method and Navier's technique for vibration analysis of a functionally graded porous beam embedded in Kerr foundation. *Engineering With Computers*, **2020**, 37, 3569	4.5	19
241	Effects of surface energy and surface residual stresses on vibro-thermal analysis of chiral, zigzag, and armchair types of SWCNTs using refined beam theory. *Mechanics Based Design of Structures and Machines*, **2020**, 1-15	1.7	15
240	Affine Arithmetic Based Solution of Uncertain Static and Dynamic Problems. *Synthesis Lectures on Mathematics and Statistics*, **2020**, 12, 1-170	0.6	5
239	Dynamic behavior of an electromagnetic nanobeam using the Haar wavelet method and the higher-order Haar wavelet method. *European Physical Journal Plus*, **2019**, 134, 1	3.1	23

238	Solving uncertain differential equations using interval legendre polynomials based collocation method. *Journal of Interdisciplinary Mathematics*, **2019**, 22, 473-491	1.2	5
237	On the Solution of an Imprecisely Defined Nonlinear Time-Fractional Dynamical Model of Marriage. *Mathematics*, **2019**, 7, 689	2.3	25
236	Propagation of uncertainty in free vibration of EulerBernoulli nanobeam. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2019**, 41, 1	2	14
235	Buckling Behavior of Nanobeams Placed in Electromagnetic Field Using Shifted Chebyshev Polynomials-Based Rayleigh-Ritz Method. *Nanomaterials*, **2019**, 9,	5.4	20
234	A novel fractional nonlocal model and its application in buckling analysis of Euler-Bernoulli nanobeam. *Materials Research Express*, **2019**, 6, 055016	1.7	20
233	Dynamical behavior of nanobeam embedded in constant, linear, parabolic, and sinusoidal types of Winkler elastic foundation using first-Order nonlocal strain gradient model. *Materials Research Express*, **2019**, 6, 0850f2	1.7	21
232	Numerical solution of fuzzy differential equations using orthogonal polynomials. *International Journal of Computing Science and Mathematics*, **2019**, 10, 32	0.8	4
231	Perceptron Learning Rule **2019**, 183-188		1
230	Fuzzy Numbers **2019**, 53-69		2
229	Interval System of Linear Equations **2019**, 129-140		
228	Interval Eigenvalue Problems **2019**, 141-149		
227	Vibration characteristics of nanobeam with exponentially varying flexural rigidity resting on linearly varying elastic foundation using differential quadrature method. *Materials Research Express*, **2019**, 6, 085051	1.7	17
226	Effect of Coriolis constant on Geophysical Korteweg-de Vries equation. *Journal of Ocean Engineering and Science*, **2019**, 4, 113-121	4.4	8
225	Concepts of Soft Computing **2019**,		32
224	Shifted Chebyshev polynomials based solution of partial differential equations. *SN Applied Sciences*, **2019**, 1, 1	1.8	3
223	Natural convection of non-Newtonian nanofluid flow between two vertical parallel plates. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2019**, 29, 1984-2008	4.5	17
222	Homotopy Perturbation Method **2019**, 131-139		1
221	Differential Equations with Interval Uncertainty **2019**, 197-208		1

220	Differential Equations with Fuzzy Uncertainty **2019**, 209-216		
219	Interval Finite Element Method **2019**, 217-229		
218	Boundary Characteristics Orthogonal Polynomials **2019**, 45-52		
217	Connectionist model for solving static structural problems with fuzzy parameters. *Applied Soft Computing Journal*, **2019**, 78, 221-229	7.5	7
216	Stochastic differential equations with imprecisely defined parameters in market analysis. *Soft Computing*, **2019**, 23, 7715-7724	3.5	2
215	Precise detection of speech endpoints dynamically: A wavelet convolution based approach. *Communications in Nonlinear Science and Numerical Simulation*, **2019**, 67, 162-175	3.7	4
214	Recent Developments and Applications in Quantum Neural Network: A Review. *Archives of Computational Methods in Engineering*, **2019**, 26, 793-807	7.8	29
213	Laplace Pade Parametric Homotopy Perturbation Method for Uncertain Nonlinear Oscillators. *Journal of Computational and Nonlinear Dynamics*, **2019**, 14,	1.4	1
212	On New Solutions of Time-Fractional Wave Equations Arising in Shallow Water Wave Propagation. *Mathematics*, **2019**, 7, 722	2.3	29
211	Differential Quadrature and Differential Transformation Methods in Buckling Analysis of Nanobeams. *Curved and Layered Structures*, **2019**, 6, 68-76	1.9	22
210	Dynamic Analysis of Single-Layered Graphene Nano-Ribbons (SLGNRs) with Variable Cross-Section Resting on Elastic Foundation. *Curved and Layered Structures*, **2019**, 6, 132-145	1.9	11
209	Solving Fully Fuzzy Nonlinear Eigenvalue Problems of Damped Spring-Mass Structural Systems Using Novel Fuzzy-Affine Approach. *CMES - Computer Modeling in Engineering and Sciences*, **2019**, 121, 947-980	1.7	3
208	Analytical solution of Bagley-Torvik equations using Sumudu transformation method. *SN Applied Sciences*, **2019**, 1, 1	1.8	25
207	Boundary Characteristic Bernstein Polynomials Based Solution for Free Vibration of Euler Nanobeams. *Journal of Composites Science*, **2019**, 3, 99	3	
206	On the solution of time-fractional coupled system of partial differential equations. *SN Applied Sciences*, **2019**, 1, 1	1.8	1
205	**2019**,		18
204	Q-Homotopy Analysis Aboodh Transform Method based solution of proportional delay time-fractional partial differential equations. *Journal of Interdisciplinary Mathematics*, **2019**, 22, 931-950	1.2	13
203	A new iterative method based solution for fractional Black Scholes option pricing equations (BSOPE). *SN Applied Sciences*, **2019**, 1, 1	1.8	40

202	New ranking function for fuzzy linear programming problem and system of linear equations. *Journal of Information and Optimization Sciences*, **2019**, 40, 141-156	1.1	7
201	Solving time-fractional Navier⬛Stokes equations using homotopy perturbation Elzaki transform. *SN Applied Sciences*, **2019**, 1, 1	1.8	52
200	Static analysis of FG beams **2019**, 29-33		
199	Static analysis of FG rectangular plates **2019**, 35-53		
198	Vibration of FG beams **2019**, 149-178		
197	Vibration of FG skew plates **2019**, 235-263		
196	Vibration of FG annular plates **2019**, 265-277		
195	Vibration of FG plates on elastic foundations **2019**, 279-303		
194	Rayleigh⬛Ritz method **2019**, 11-15		
193	Vibration of thick rectangular plates **2019**, 179-234		
192	Application of radial basis functions in solving fuzzy integral equations. *Neural Computing and Applications*, **2019**, 31, 6373-6381	4.8	3
191	A multivariate additive noise model for complete causal discovery. *Neural Networks*, **2018**, 103, 44-54	9.1	3
190	Flexural vibration of functionally graded thin skew plates resting on elastic foundations. *International Journal of Dynamics and Control*, **2018**, 6, 97-121	1.7	8
189	Functional link neural network approach to solve structural system identification problems. *Neural Computing and Applications*, **2018**, 30, 3327-3338	4.8	5
188	Solving fully interval linear systems of equations using tolerable solution criteria. *Soft Computing*, **2018**, 22, 4811-4818	3.5	7
187	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 1-10	7.3	19
186	Fuzzy Matrix Contractor Based Approach for Localization of Robots **2018**, 47-73		
185	Solving Fuzzy Static Structural Problems Using Symmetric Group Method **2018**, 95-107		1

184   Modeling Dispersal Risk of Invasive Alien Plant Species **2018**, 109-145

183   2-D Shallow Water Wave Equations with Fuzzy Parameters **2018**, 1-22   1

182   Free vibration analysis of EulerBernoulli nanobeam using differential transform method. *International Journal of Computational Materials Science and Engineering*, **2018**, 07, 1850020   0.3   17

181   Interval Arithematic **2018**, 1-6   1

180   Interval Finite Element Method **2018**, 7-17

179   Two-Dimensional Interval Finite Element **2018**, 63-78   1

178   MATLAB Code for Two-Dimensional Interval Finite Element **2018**, 79-104

177   ANN Based Solution of Static Structural Problem with Fuzzy Parameters **2018**, 23-46   1

176   Modeling Radon Diffusion Equation by Using Fuzzy Polynomials in Galerkins Method **2018**, 75-93   2

175   Implementation of numerical approximations in studying vibration of functionally graded beams. *International Journal of Dynamics and Control*, **2018**, 6, 1023-1046   1.7   4

174   Modelling uncertainties in the diffusion-advection equation for radon transport in soil using interval arithmetic. *Journal of Environmental Radioactivity*, **2018**, 182, 165-171   2.4   16

173   Free Vibration of Single Walled Carbon Nanotube Resting on Exponentially Varying Elastic Foundation. *Curved and Layered Structures*, **2018**, 5, 260-272   1.9   21

172   Free Vibration Analysis of Variable Cross-Section Single-Layered Graphene Nano-Ribbons (SLGNRs) Using Differential Quadrature Method. *Frontiers in Built Environment*, **2018**, 4,   2.2   23

171   Development of a mathematical model to evaluate the rate of aggregate risk of invasive alien plant species: Fuzzy risk assessment approach. *International Journal of Biomathematics*, **2018**, 11, 1850049   1.8   1

170   Free Vibration Analysis of Single Walled Carbon Nanotube with Exponentially Varying Stiffness. *Curved and Layered Structures*, **2018**, 5, 201-212   1.9   18

169   Solving shallow water equations with crisp and uncertain initial conditions. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2018**, 28, 2801-2815   4.5   4

168   Solving transcendental equation using artificial neural network. *Applied Soft Computing Journal*, **2018**, 73, 562-571   7.5   14

167   Nonlinear interval eigenvalue problems for damped spring-mass system. *Engineering Computations*, **2018**, 35, 2272-2286   1.4   5

166	Solution of interval shallow water wave equations using homotopy perturbation method. *Engineering Computations*, **2018**, 35, 1610-1624	1.4	5
165	An Overview of Recent Advancements in Causal Studies. *Archives of Computational Methods in Engineering*, **2017**, 24, 319-335	7.8	1
164	Fuzzy neural network-based system identification of multi-storey shear buildings. *Neural Computing and Applications*, **2017**, 28, 597-612	4.8	4
163	Structural parameters identification of uncertain multi-storey shear buildings using fuzzy neural network modelling. *Inverse Problems in Science and Engineering*, **2017**, 25, 434-452	1.3	2
162	Recent Researches on Nonlocal Elasticity Theory in the Vibration of Carbon Nanotubes Using Beam Models: A Review. *Archives of Computational Methods in Engineering*, **2017**, 24, 481-494	7.8	34
161	A note on A new method for solving an arbitrary fully fuzzy linear system *Soft Computing*, **2017**, 21, 7117-7118	3.5	
160	Natural frequencies of shear deformed functionally graded beams using inverse trigonometric functions. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2017**, 39, 3295-3313	2	7
159	Numerical solution of fuzzy boundary value problems using Galerkin method. *Sadhana - Academy Proceedings in Engineering Sciences*, **2017**, 42, 45-61	1	3
158	Altered-LiNGAM (ALiNGAM) for solving nonlinear causal models when data is nonlinear and noisy. *Communications in Nonlinear Science and Numerical Simulation*, **2017**, 52, 190-202	3.7	
157	Novel transformation-based response prediction of shear building using interval neural network. *Journal of Earth System Science*, **2017**, 126, 1	1.8	1
156	Formal solution of an interval system of linear equations with an application in static responses of structures with interval forces. *Applied Mathematical Modelling*, **2017**, 50, 105-117	4.5	10
155	Novel fuzzy linguistic based mathematical model to assess risk of invasive alien plant species. *Applied Soft Computing Journal*, **2017**, 59, 326-339	7.5	6
154	A New Approach to nth Order Fuzzy Differential Equations. *Computational Mathematics and Modeling*, **2017**, 28, 278-300	0.5	13
153	A Sign Function Approach to Solve Algebraically Interval System of Linear Equations for Nonnegative Solutions. *Fundamenta Informaticae*, **2017**, 152, 13-31	1	9
152	Fuzzy Neural Network Based Response of Uncertain System Subject to Earthquake Motions. *Computational Methods in Applied Sciences (Springer)*, **2017**, 363-385	0.4	1
151	Solving imprecisely defined vibration equation of large membranes. *Engineering Computations*, **2017**, 34, 2528-2546	1.4	1
150	Comparison of solutions of linear and non-linear shallow water wave equations using homotopy perturbation method. *International Journal of Numerical Methods for Heat and Fluid Flow*, **2017**, 27, 2015-2029	4.5	8
149	Buckling analysis of nanobeams with exponentially varying stiffness by differential quadrature method. *Chinese Physics B*, **2017**, 26, 074602	1.2	8

148	Single Layer Chebyshev Neural Network Model for Solving Elliptic Partial Differential Equations. *Neural Processing Letters*, **2017**, 45, 825-840	2.4	39
147	Static analysis of nanobeams using RayleighRitz method. *Journal of Mechanics of Materials and Structures*, **2017**, 12, 603-616	1.2	5
146	Uncertain Static and Dynamic Analysis of Imprecisely Defined Structural Systems **2017**, 1-30		4
145	Fuzzy Finite Element Method in Diffusion Problems **2017**, 250-272		
144	Single-Layer Functional Link Artificial Neural Network **2017**, 57-75		
143	Multilayer Artificial Neural Network **2017**, 17-36		1
142	Pseudo fuzzy set. *Annals of Fuzzy Mathematics and Informatics*, **2017**, 14, 237-248	1.8	
141	Quantum neural network based machine translator for English to Hindi. *Applied Soft Computing Journal*, **2016**, 38, 1060-1075	7.5	6
140	Effect of scaling effect parameters on the vibration characteristics of nanoplates. *JVC/Journal of Vibration and Control*, **2016**, 22, 2389-2399	2	11
139	Analytical and Numerical Methods **2016**, 19-31		
138	Vibration Problems of Functionally Graded Triangular Plates **2016**, 137-176		
137	Complicating Effects **2016**, 177-223		1
136	Practical Examples and Experimental Studies **2016**, 225-228		
135	**2016**,		33
134	Uncertain Fractional FornbergWhitham Equations **2016**, 141-154		1
133	Fuzzy Fractional Chemical Problems **2016**, 67-85		
132	Fuzzy Fractional Structural Problems **2016**, 87-119		
131	Preliminaries of Fuzzy Set Theory **2016**, 1-7		

112	Vibration Problems of Functionally Graded Elliptic Plates **2016**, 119-135		
111	Filtering algorithm for eigenvalue bounds of fuzzy symmetric matrices. *Engineering Computations*, **2016**, 33,	1.4	8
110	Hermite Functional Link Neural Network for Solving the Van der Pol-Duffing Oscillator Equation. *Neural Computation*, **2016**, 28, 1574-98	2.9	31
109	Numerical solution of fuzzy stochastic differential equation. *Journal of Intelligent and Fuzzy Systems* , **2016**, 31, 555-563	1.6	4
108	Non-probabilistic uncertain static responses of imprecisely defined structures with fuzzy parameters. *Journal of Intelligent and Fuzzy Systems*, **2016**, 30, 3177-3189	1.6	2
107	Numerical Solution of Stochastic Point-Kinetics Neutron Equation with Fuzzy Parameters. *Nuclear Technology*, **2016**, 193, 444-456	1.4	5
106	Filtering Algorithm for Real Eigenvalue Bounds of Interval and Fuzzy Generalized Eigenvalue Problems. *ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering*, **2016**, 2,	1.4	9
105	New approach to solve fully fuzzy system of linear equations using single and double parametric form of fuzzy numbers. *Sadhana - Academy Proceedings in Engineering Sciences*, **2015**, 40, 35-49	1	26
104	Parameter Identification of Multistorey Frame Structure from Uncertain Dynamic Data. *Strojniski Vestnik/Journal of Mechanical Engineering*, **2015**, 60, 331-338	1.3	6
103	Generalized power-law exponent based shear deformation theory for free vibration of functionally graded beams. *Applied Mathematics and Computation*, **2015**, 268, 1240-1258	2.7	24
102	Interval data-based system identification of multistorey shear buildings by artificial neural network modelling. *Architectural Science Review*, **2015**, 58, 244-254	2.6	4
101	Numerical solution of the imprecisely defined inverse heat conduction problem. *Chinese Physics B*, **2015**, 24, 050203	1.2	4
100	Transverse vibration of isotropic thick rectangular plates based on new inverse trigonometric shear deformation theories. *International Journal of Mechanical Sciences*, **2015**, 94-95, 211-231	5.5	14
99	Application of Differential Quadrature method in free vibration analysis of nanobeams based on various nonlocal theories. *Computers and Mathematics With Applications*, **2015**, 69, 1444-1462	2.7	33
98	Uncertain dynamic responses of fuzzy fractionally damped spring-mass system. *Journal of Intelligent and Fuzzy Systems*, **2015**, 29, 327-336	1.6	1
97	Multi Layer Versus Functional Link Single Layer Neural Network for Solving Nonlinear Singular Initial Value Problems **2015**,		2
96	Numerical solution of uncertain neutron diffusion equation for imprecisely defined homogeneous triangular bare reactor. *Sadhana - Academy Proceedings in Engineering Sciences*, **2015**, 40, 2095-2109	1	5
95	Free vibration of non-uniform nanobeams using Rayleigh-Ritz method. *Physica E: Low-Dimensional Systems and Nanostructures*, **2015**, 67, 38-46	3	21

94	Numerical solution of nonlinear singular initial value problems of Emden-Fowler type using Chebyshev Neural Network method. *Neurocomputing*, **2015**, 149, 975-982	5.4	64
93	Uncertain Dynamic Responses of Fuzzy Arbitrary-Order Damped Beam. *ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering*, **2015**, 1,	1.4	1
92	Fuzzy finite element analysis of multi-group neutron diffusion equation with imprecise parameters. *International Journal of Nuclear Energy Science and Technology*, **2015**, 9, 1	0.4	3
91	Vibration and buckling analyses of nanobeams embedded in an elastic medium. *Chinese Physics B*, **2015**, 24, 097305	1.2	8
90	Static analysis of functionally graded thin rectangular plates with various boundary supports. *Archives of Civil and Mechanical Engineering*, **2015**, 15, 721-734	3.4	21
89	Free vibration of functionally graded thin elliptic plates with various edge supports. *Structural Engineering and Mechanics*, **2015**, 53, 337-354		31
88	Damage detection of multi-storeyed shear structure using sparse and noisy modal data. *Smart Structures and Systems*, **2015**, 15, 1215-1232		
87	Small scale effect on the vibration of non-uniform nanoplates. *Structural Engineering and Mechanics*, **2015**, 55, 495-510		3
86	Effects of different shear deformation theories on free vibration of functionally graded beams. *International Journal of Mechanical Sciences*, **2014**, 82, 149-160	5.5	62
85	Chebyshev Neural Network based model for solving Lane-Emden type equations. *Applied Mathematics and Computation*, **2014**, 247, 100-114	2.7	57
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