

Snehashish Chakraverty

List of Publications by Year in descending order

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303
papers

4,858
citations

126708

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357
all docs

357
docs citations

357
times ranked

2140
citing authors

#	ARTICLE	IF	CITATIONS
1	Free vibration of Euler and Timoshenko functionally graded beams by Rayleigh-Ritz method. Composites Part B: Engineering, 2013, 51, 175-184.	5.9	249
2	Free vibration of exponential functionally graded rectangular plates in thermal environment with general boundary conditions. Aerospace Science and Technology, 2014, 36, 132-156.	2.5	124
3	Application of Legendre Neural Network for solving ordinary differential equations. Applied Soft Computing Journal, 2016, 43, 347-356.	4.1	123
4	Flexural Vibration of Skew Plates Using Boundary Characteristic Orthogonal Polynomials in Two Variables. Journal of Sound and Vibration, 1994, 173, 157-178.	2.1	83
5	Chebyshev Neural Network based model for solving Lane-Emden type equations. Applied Mathematics and Computation, 2014, 247, 100-114.	1.4	83
6	Effects of different shear deformation theories on free vibration of functionally graded beams. International Journal of Mechanical Sciences, 2014, 82, 149-160.	3.6	78
7	Numerical solution of nonlinear singular initial value problems of Emden-Fowler type using Chebyshev Neural Network method. Neurocomputing, 2015, 149, 975-982.	3.5	76
8	Transverse vibration of simply supported elliptical and circular plates using boundary characteristic orthogonal polynomials in two variables. Journal of Sound and Vibration, 1992, 152, 149-155.	2.1	75
9	Solving time-fractional Navier-Stokes equations using homotopy perturbation Elzaki transform. SN Applied Sciences, 2019, 1, 1.	1.5	74
10	On the use of orthogonal polynomials in the rayleigh-ritz method for the study of transverse vibration of elliptic plates. Computers and Structures, 1992, 43, 439-443.	2.4	63
11	Transverse vibration of completely-free elliptic and circular plates using orthogonal polynomials in the Rayleigh-Ritz method. International Journal of Mechanical Sciences, 1991, 33, 741-751.	3.6	62
12	Single Layer Chebyshev Neural Network Model for Solving Elliptic Partial Differential Equations. Neural Processing Letters, 2017, 45, 825-840.	2.0	61
13	Recent Developments and Applications in Quantum Neural Network: A Review. Archives of Computational Methods in Engineering, 2019, 26, 793-807.	6.0	61
14	FREE VIBRATION OF FUNCTIONALLY GRADED THIN RECTANGULAR PLATES RESTING ON WINKLER ELASTIC FOUNDATION WITH GENERAL BOUNDARY CONDITIONS USING RAYLEIGH-RITZ METHOD. International Journal of Applied Mechanics, 2014, 06, 1450043.	1.3	57
15	Concepts of Soft Computing. , 2019, , .		55
16	Use of Characteristic Orthogonal Polynomials in Two Dimensions for Transverse Vibration of Elliptic and Circular Plates With Variable Thickness. Journal of Sound and Vibration, 1994, 173, 289-299.	2.1	54
17	Artificial Neural Networks for Engineers and Scientists. , 0, , .		52
18	No association between the alpha-2 macroglobulin I1000V polymorphism and Alzheimer's disease. Neuroscience Letters, 1999, 262, 137-139.	1.0	48

#	ARTICLE	IF	CITATIONS
19	Free vibration of rectangular nanoplates using Rayleighâ€“Ritz method. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 56, 357-363.	1.3	47
20	Recent Researches on Nonlocal Elasticity Theory in the Vibration of Carbon Nanotubes Using Beam Models: A Review. <i>Archives of Computational Methods in Engineering</i> , 2017, 24, 481-494.	6.0	47
21	A new iterative method based solution for fractional Blackâ€“Scholes option pricing equations (BSOPE). <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	45
22	Association studies using novel polymorphisms in BACE1 and BACE2. <i>NeuroReport</i> , 2001, 12, 1799-1802.	0.6	43
23	Hygro-Magnetic Vibration of the Single-Walled Carbon Nanotube with Nonlinear Temperature Distribution Based on a Modified Beam Theory and Nonlocal Strain Gradient Model. <i>International Journal of Applied Mechanics</i> , 2020, 12, 2050054.	1.3	42
24	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. <i>Mechanics Based Design of Structures and Machines</i> , 2021, 49, 581-595.	3.4	42
25	Analytical solution of Bagley-Torvik equations using Sumudu transformation method. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	41
26	Application of shifted Chebyshev polynomial-based Rayleighâ€“Ritz method and Navierâ€™s technique for vibration analysis of a functionally graded porous beam embedded in Kerr foundation. <i>Engineering With Computers</i> , 2021, 37, 3569-3589.	3.5	41
27	Natural frequencies for free vibration of nonhomogeneous elliptic and circular plates using two-dimensional orthogonal polynomials. <i>Applied Mathematical Modelling</i> , 1997, 21, 399-417.	2.2	40
28	A new method for solving real and complex fuzzy systems of linear equations. <i>Computational Mathematics and Modeling</i> , 2012, 23, 507-518.	0.2	40
29	Regression-based weight generation algorithm in neural network for solution of initial and boundary value problems. <i>Neural Computing and Applications</i> , 2014, 25, 585-594.	3.2	39
30	Application of Differential Quadrature method in free vibration analysis of nanobeams based on various nonlocal theories. <i>Computers and Mathematics With Applications</i> , 2015, 69, 1444-1462.	1.4	39
31	Analysis of axially temperature-dependent functionally graded carbon nanotube reinforced composite plates. <i>Engineering With Computers</i> , 2022, 38, 2533-2554.	3.5	39
32	Non-probabilistic approach to investigate uncertain conjugate heat transfer in an imprecisely defined plate. <i>International Journal of Heat and Mass Transfer</i> , 2013, 67, 445-454.	2.5	38
33	Hermite Functional Link Neural Network for Solving the Van der Polâ€™s Duffing Oscillator Equation. <i>Neural Computation</i> , 2016, 28, 1574-1598.	1.3	38
34	Free vibration of functionally graded thin elliptic plates with various edge supports. <i>Structural Engineering and Mechanics</i> , 2015, 53, 337-354.	1.0	38
35	Vibration based damage detection in a uniform strength beam using genetic algorithm. <i>Meccanica</i> , 2009, 44, 697-710.	1.2	36
36	Free vibration of Euler and Timoshenko nanobeams using boundary characteristic orthogonal polynomials. <i>Applied Nanoscience (Switzerland)</i> , 2014, 4, 347-358.	1.6	36

#	ARTICLE	IF	CITATIONS
37	Vibration and buckling characteristics of nonlocal beam placed in a magnetic field embedded in Winkler-Pasternak elastic foundation using a new refined beam theory: an analytical approach. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	35
38	Identification of structural parameters of multistorey shear buildings from modal data. <i>Earthquake Engineering and Structural Dynamics</i> , 2005, 34, 543-554.	2.5	33
39	Comparison of neural network configurations in the long-range forecast of southwest monsoon rainfall over India. <i>Neural Computing and Applications</i> , 2008, 17, 187-192.	3.2	33
40	On New Solutions of Time-Fractional Wave Equations Arising in Shallow Water Wave Propagation. <i>Mathematics</i> , 2019, 7, 722.	1.1	33
41	Recent Research on Vibration of Structures Using Boundary Characteristic Orthogonal Polynomials in the Rayleigh-Ritz Method. <i>The Shock and Vibration Digest</i> , 1999, 31, 187-194.	6.2	33
42	Effect of non-homogeneity on natural frequencies of vibration of elliptic plates. <i>Meccanica</i> , 2007, 42, 585-599.	1.2	32
43	A New Approach to Fuzzy Initial Value Problem by Improved Euler Method. <i>Fuzzy Information and Engineering</i> , 2012, 4, 293-312.	1.0	32
44	New approach to solve fully fuzzy system of linear equations using single and double parametric form of fuzzy numbers. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2015, 40, 35-49.	0.8	32
45	A novel analytical technique for the solution of time-fractional Ivancevic option pricing model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 550, 124380.	1.2	31
46	Dynamic behavior of an electromagnetic nanobeam using the Haar wavelet method and the higher-order Haar wavelet method. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	30
47	On the Solution of an Imprecisely Defined Nonlinear Time-Fractional Dynamical Model of Marriage. <i>Mathematics</i> , 2019, 7, 689.	1.1	30
48	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. <i>Engineering With Computers</i> , 2021, 37, 1251-1264.	3.5	30
49	Dynamic responses of fractionally damped mechanical system using homotopy perturbation method. <i>AEJ - Alexandria Engineering Journal</i> , 2013, 52, 557-562.	3.4	29
50	Generalized power-law exponent based shear deformation theory for free vibration of functionally graded beams. <i>Applied Mathematics and Computation</i> , 2015, 268, 1240-1258.	1.4	29
51	Solving fuzzy complex system of linear equations. <i>Information Sciences</i> , 2014, 277, 154-162.	4.0	28
52	Free Vibration Analysis of Variable Cross-Section Single-Layered Graphene Nano-Ribbons (SLGNRs) Using Differential Quadrature Method. <i>Frontiers in Built Environment</i> , 2018, 4, .	1.2	28
53	SIR epidemic model of childhood diseases through fractional operators with Mittag-Leffler and exponential kernels. <i>Mathematics and Computers in Simulation</i> , 2021, 182, 514-534.	2.4	28
54	Transverse vibration of triangular plates using characteristic orthogonal polynomials in two variables. <i>International Journal of Mechanical Sciences</i> , 1992, 34, 947-955.	3.6	27

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55	Comparison of Artificial Neural Network Architecture in Solving Ordinary Differential Equations. <i>Advances in Artificial Neural Systems</i> , 2013, 2013, 1-12.	1.0	27
56	Fuzzy finite element analysis of imprecisely defined structures with fuzzy nodal force. <i>Engineering Applications of Artificial Intelligence</i> , 2013, 26, 2458-2466.	4.3	27
57	Functional Link Neural Network Learning for Response Prediction of Tall Shear Buildings With Respect to Earthquake Data. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018, 48, 1-10.	5.9	27
58	On the solution of time-fractional dynamical model of Brusselator reaction-diffusion system arising in chemical reactions. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 3903.	1.2	27
59	Dynamical behavior of nanobeam embedded in constant, linear, parabolic, and sinusoidal types of Winkler elastic foundation using first-Order nonlocal strain gradient model. <i>Materials Research Express</i> , 2019, 6, 0850f2.	0.8	26
60	Neural network-based simulation for response identification of two-storey shear building subject to earthquake motion. <i>Neural Computing and Applications</i> , 2010, 19, 367-375.	3.2	25
61	Differential Quadrature and Differential Transformation Methods in Buckling Analysis of Nanobeams. <i>Curved and Layered Structures</i> , 2019, 6, 68-76.	0.5	25
62	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. <i>Journal of Mechanics of Materials and Structures</i> , 2020, 15, 405-434.	0.4	25
63	Implementation of non-probabilistic methods for stability analysis of nonlocal beam with structural uncertainties. <i>Engineering With Computers</i> , 2021, 37, 2957-2969.	3.5	25
64	Euler-based new solution method for fuzzy initial value problems. <i>International Journal of Artificial Intelligence and Soft Computing</i> , 2014, 4, 58.	0.1	24
65	Static analysis of functionally graded thin rectangular plates with various boundary supports. <i>Archives of Civil and Mechanical Engineering</i> , 2015, 15, 721-734.	1.9	24
66	Modelling uncertainties in the diffusion-advection equation for radon transport in soil using interval arithmetic. <i>Journal of Environmental Radioactivity</i> , 2018, 182, 165-171.	0.9	24
67	Buckling Behavior of Nanobeams Placed in Electromagnetic Field Using Shifted Chebyshev Polynomials-Based Rayleigh-Ritz Method. <i>Nanomaterials</i> , 2019, 9, 1326.	1.9	24
68	Boundary characteristic orthogonal polynomials in numerical approximation. <i>Communications in Numerical Methods in Engineering</i> , 1994, 10, 1027-1043.	1.3	23
69	Free vibration of non-uniform nanobeams using Rayleigh-Ritz method. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2015, 67, 38-46.	1.3	23
70	A novel fractional nonlocal model and its application in buckling analysis of Euler-Bernoulli nanobeam. <i>Materials Research Express</i> , 2019, 6, 055016.	0.8	23
71	Vibration characteristics of nanobeam with exponentially varying flexural rigidity resting on linearly varying elastic foundation using differential quadrature method. <i>Materials Research Express</i> , 2019, 6, 085051.	0.8	23
72	Natural convection of non-Newtonian nanofluid flow between two vertical parallel plates. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 29, 1984-2008.	1.6	23

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73	Transverse vibration of circular and elliptic plates with quadratically varying thickness. Applied Mathematical Modelling, 1992, 16, 269-274.	2.2	22
74	Fuzzy system of linear equations with crisp coefficients. Journal of Intelligent and Fuzzy Systems, 2013, 25, 201-207.	0.8	22
75	Free Vibration of Single Walled Carbon Nanotube Resting on Exponentially Varying Elastic Foundation. Curved and Layered Structures, 2018, 5, 260-272.	0.5	22
76	Dynamic Response Analysis of Fractionally-Damped Generalized Bagley-Torvik Equation Subject to External Loads. Russian Journal of Mathematical Physics, 2020, 27, 254-268.	0.4	22
77	Transverse Vibration Of Annular Circular And Elliptic Plates Using The Characteristic Orthogonal Polynomials In Two Dimensions. Journal of Sound and Vibration, 1993, 162, 537-546.	2.1	21
78	Regression based weight generation algorithm in neural network for estimation of frequencies of vibrating plates. Computer Methods in Applied Mechanics and Engineering, 2006, 195, 4194-4202.	3.4	21
79	Free vibration analysis of Euler-Bernoulli nanobeam using differential transform method. International Journal of Computational Materials Science and Engineering, 2018, 07, 1850020.	0.5	21
80	Effect of Coriolis constant on Geophysical Korteweg-de Vries equation. Journal of Ocean Engineering and Science, 2019, 4, 113-121.	1.7	21
81	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, 2022, 50, 1565-1579.	3.4	21
82	Q-Homotopy Analysis Aboodh Transform Method based solution of proportional delay time-fractional partial differential equations. Journal of Interdisciplinary Mathematics, 2019, 22, 931-950.	0.4	20
83	Numerical investigation on nanofluid flow between two inclined stretchable walls by Optimal Homotopy Analysis Method. Journal of Computational Science, 2022, 63, 101759.	1.5	20
84	Non probabilistic solution of uncertain neutron diffusion equation for imprecisely defined homogeneous bare reactor. Annals of Nuclear Energy, 2013, 62, 251-259.	0.9	19
85	Free Vibration Analysis of Single Walled Carbon Nanotube with Exponentially Varying Stiffness. Curved and Layered Structures, 2018, 5, 201-212.	0.5	19
86	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.	3.4	19
87	Application of modified extended tanh method in solving fractional order coupled wave equations. Mathematics and Computers in Simulation, 2022, 198, 509-520.	2.4	19
88	On the wave solutions of time-fractional Sawada-Kotera equation arising in shallow water. Mathematical Methods in the Applied Sciences, 2021, 44, 583-592.	1.2	18
89	Dynamic response of imprecisely defined beam subject to various loads using Adomian decomposition method. Applied Soft Computing Journal, 2014, 24, 249-263.	4.1	17
90	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.	3.6	17

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91	Solving transcendental equation using artificial neural network. Applied Soft Computing Journal, 2018, 73, 562-571.	4.1	17
92	Propagation of uncertainty in free vibration of Euler-Bernoulli nanobeam. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	17
93	Single layer Chebyshev neural network model with regression-based weights for solving nonlinear ordinary differential equations. Evolutionary Intelligence, 2020, 13, 687-694.	2.3	17
94	Fuzzy finite element method for solving uncertain heat conduction problems. Coupled Systems Mechanics, 2012, 1, 345-360.	0.4	17
95	Solution to Fuzzy System of Linear Equations with Crisp Coefficients. Fuzzy Information and Engineering, 2013, 5, 205-219.	1.0	16
96	Damage Identification of Multistory Shear Structure from Sparse Modal Information. Journal of Computing in Civil Engineering, 2013, 27, 1-9.	2.5	16
97	Free vibration of nonhomogeneous Timoshenko nanobeams. Meccanica, 2014, 49, 51-67.	1.2	16
98	Coupled transform method for time-space fractional Black-Scholes option pricing model. AEJ - Alexandria Engineering Journal, 2020, 59, 3239-3246.	3.4	16
99	Free vibration analysis of elliptic and circular plates having rectangular orthotropy. Structural Engineering and Mechanics, 1999, 7, 53-67.	1.0	16
100	Regression-based neural network training for the solution of ordinary differential equations. International Journal of Mathematical Modelling and Numerical Optimisation, 2013, 4, 136.	0.1	15
101	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.	2.2	15
102	A New Approach to nth Order Fuzzy Differential Equations. Computational Mathematics and Modeling, 2017, 28, 278-300.	0.2	14
103	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.	1.6	14
104	Numerical simulation of magnetohydrodynamics nanofluid flow in a semi-porous channel with a new approach in the least square method. International Communications in Heat and Mass Transfer, 2021, 121, 105085.	2.9	14
105	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.	2.0	14
106	Application of homotopy perturbation method in inverse analysis of Jeffery-Hamel flow problem. European Journal of Mechanics, B/Fluids, 2021, 86, 107-112.	1.2	13
107	A new modeling and existence-uniqueness analysis for Babesiosis disease of fractional order. Modern Physics Letters B, 2021, 35, .	1.0	13
108	Numerical Solution of n-th Order Fuzzy Linear Differential Equations by Homotopy Perturbation Method. International Journal of Computer Applications, 2013, 64, 5-10.	0.2	13

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109	Effect of scaling effect parameters on the vibration characteristics of nanoplates. JVC/Journal of Vibration and Control, 2016, 22, 2389-2399.	1.5	12
110	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.	0.5	12
111	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.	2.5	12
112	Identification of Structural Parameters of Two-storey Shear Buildings by the Iterative Training of Neural Networks. Architectural Science Review, 2007, 50, 380-384.	1.1	11
113	Vibration of Nonhomogeneous Orthotropic Elliptic and Circular Plates With Variable Thickness. Journal of Vibration and Acoustics, Transactions of the ASME, 2007, 129, 256-259.	1.0	11
114	Numerical Solution of Uncertain Beam Equations Using Double Parametric Form of Fuzzy Numbers. Applied Computational Intelligence and Soft Computing, 2013, 2013, 1-8.	1.6	11
115	A Sign Function Approach to Solve Algebraically Interval System of Linear Equations for Nonnegative Solutions. Fundamenta Informaticae, 2017, 152, 13-31.	0.3	11
116	Flexural vibration of functionally graded thin skew plates resting on elastic foundations. International Journal of Dynamics and Control, 2018, 6, 97-121.	1.5	11
117	New Aspects of ZZ Transform to Fractional Operators With Mittag-Leffler Kernel. Frontiers in Physics, 2020, 8, .	1.0	11
118	Stability analysis of nanobeams in hygrothermal environment based on a nonlocal strain gradient Timoshenko beam model under nonlinear thermal field. Journal of Computational Design and Engineering, 2020, 7, 685-699.	1.5	11
119	Numerical solution of fractionally damped beam by homotopy perturbation method. Open Physics, 2013, 11, .	0.8	10
120	Neural Network based Parts of Speech Tagger for Hindi. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 519-524.	0.4	10
121	Vibration and buckling analyses of nanobeams embedded in an elastic medium. Chinese Physics B, 2015, 24, 097305.	0.7	10
122	Numerical solution of uncertain neutron diffusion equation for imprecisely defined homogeneous triangular bare reactor. Sadhana - Academy Proceedings in Engineering Sciences, 2015, 40, 2095-2109.	0.8	10
123	Numerical Solution of Stochastic Point-Kinetics Neutron Equation with Fuzzy Parameters. Nuclear Technology, 2016, 193, 444-456.	0.7	10
124	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, .	0.7	10
125	Buckling analysis of nanobeams with exponentially varying stiffness by differential quadrature method. Chinese Physics B, 2017, 26, 074602.	0.7	10
126	New optical soliton solutions for Triki-Biswas model by new extended direct algebraic method. Modern Physics Letters B, 2020, 34, 2150023.	1.0	10

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127	Stability analysis of Timoshenko nanobeam with material uncertainties using a double-parametric form-based analytical approach and Monte Carlo simulation technique. <i>European Physical Journal Plus</i> , 2020, 135, 1.	1.2	10
128	Analysis of time-fractional fuzzy vibration equation of large membranes using double parametric based Residual power series method. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2021, 101, e202000165.	0.9	10
129	A New Approach To Solve Fuzzy System Of Linear Equations. <i>Journal of Mathematics and Computer Science</i> , 2013, 07, 205-212.	0.5	10
130	RECURRENCE SCHEME FOR THE GENERATION OF TWO-DIMENSIONAL BOUNDARY CHARACTERISTIC ORTHOGONAL POLYNOMIALS TO STUDY VIBRATION OF PLATES. <i>Journal of Sound and Vibration</i> , 1998, 216, 321-327.	2.1	9
131	Modeling vibration frequencies of annular plates by regression based neural network. <i>Applied Soft Computing Journal</i> , 2009, 9, 439-447.	4.1	9
132	FUZZY CENTRE BASED SOLUTION OF FUZZY COMPLEX LINEAR SYSTEM OF EQUATIONS. <i>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</i> , 2013, 21, 629-642.	0.9	9
133	Quantum Neural Network Based Machine Translator for Hindi to English. <i>Scientific World Journal</i> , The, 2014, 2014, 1-8.	0.8	9
134	Non-probabilistic solutions of imprecisely defined fractional-order diffusion equations. <i>Chinese Physics B</i> , 2014, 23, 120202.	0.7	9
135	Functionally Graded Beams. , 2016, , 33-66.		9
136	Filtering algorithm for eigenvalue bounds of fuzzy symmetric matrices. <i>Engineering Computations</i> , 2016, 33, .	0.7	9
137	Static analysis of nanobeams using Rayleigh-Ritz method. <i>Journal of Mechanics of Materials and Structures</i> , 2017, 12, 603-616.	0.4	9
138	Solving shallow water equations with crisp and uncertain initial conditions. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2018, 28, 2801-2815.	1.6	9
139	Fuzzy Numbers. , 2019, , 53-69.		9
140	Analysis of time-fractional dynamical model of romantic and interpersonal relationships with non-singular kernels: A comparative study. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 2183-2199.	1.2	9
141	Study of Jeffery-Hamel flow problem for nanofluid with fuzzy volume fraction using double parametric based Adomian decomposition method. <i>International Communications in Heat and Mass Transfer</i> , 2021, 126, 105435.	2.9	9
142	Fuzzy Finite Element based Solution of Uncertain Static Problems of Structural Mechanics. <i>International Journal of Computer Applications</i> , 2013, 69, 6-11.	0.2	9
143	A novel numerical approach for the stability of nanobeam exposed to hygro-thermo-magnetic environment embedded in elastic foundation. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2022, 102, e202100380.	0.9	9
144	Thermal vibration of nonhomogeneous Euler nanobeam resting on Winkler foundation. <i>Engineering Analysis With Boundary Elements</i> , 2022, 140, 581-591.	2.0	9

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145	Influence of Aerodynamic Loads on Flight Trajectory of Spinning Spherical Projectile. AIAA Journal, 2001, 39, 122-125.	1.5	8
146	Interval data-based system identification of multistorey shear buildings by artificial neural network modelling. Architectural Science Review, 2015, 58, 244-254.	1.1	8
147	Quantum neural network based machine translator for English to Hindi. Applied Soft Computing Journal, 2016, 38, 1060-1075.	4.1	8
148	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.	0.8	8
149	Functional link neural network approach to solve structural system identification problems. Neural Computing and Applications, 2018, 30, 3327-3338.	3.2	8
150	Solving fully interval linear systems of equations using tolerable solution criteria. Soft Computing, 2018, 22, 4811-4818.	2.1	8
151	Connectionist model for solving static structural problems with fuzzy parameters. Applied Soft Computing Journal, 2019, 78, 221-229.	4.1	8
152	New ranking function for fuzzy linear programming problem and system of linear equations. Journal of Information and Optimization Sciences, 2019, 40, 141-156.	0.2	8
153	Affine Arithmetic Based Solution of Uncertain Static and Dynamic Problems. Synthesis Lectures on Mathematics and Statistics, 2020, 12, 1-170.	0.1	8
154	Parameter Identification of Multistorey Frame Structure from Uncertain Dynamic Data. Strojniski Vestnik/Journal of Mechanical Engineering, 2015, 60, 331-338.	0.6	7
155	Precise detection of speech endpoints dynamically: A wavelet convolution based approach. Communications in Nonlinear Science and Numerical Simulation, 2019, 67, 162-175.	1.7	7
156	Shifted Chebyshev polynomials based solution of partial differential equations. SN Applied Sciences, 2019, 1, 1.	1.5	7
157	Time-Fractional Order Biological Systems with Uncertain Parameters. Synthesis Lectures on Mathematics and Statistics, 2020, 12, 1-160.	0.1	7
158	Fuzzified Data Based Neural Network Modeling for Health Assessment of Multistorey Shear Buildings. Advances in Artificial Neural Systems, 2013, 2013, 1-12.	1.0	6
159	Non-probabilistic Solutions of Uncertain Fractional Order Diffusion Equations. Fundamenta Informaticae, 2014, 133, 19-34.	0.3	6
160	Novel fuzzy linguistic based mathematical model to assess risk of invasive alien plant species. Applied Soft Computing Journal, 2017, 59, 326-339.	4.1	6
161	Nonlinear interval eigenvalue problems for damped spring-mass system. Engineering Computations, 2018, 35, 2272-2286.	0.7	6
162	Solution of interval shallow water wave equations using homotopy perturbation method. Engineering Computations, 2018, 35, 1610-1624.	0.7	6

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163	Neural network approach for solving nonlinear eigenvalue problems of structural dynamics. Neural Computing and Applications, 2020, 32, 10669-10677.	3.2	6
164	Fuzzy Modeling for the Dynamics of Alcohol-Related Health Risks with Changing Behaviors via Cultural Beliefs. Journal of Applied Mathematics, 2020, 2020, 1-9.	0.4	6
165	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.	1.6	6
166	Machine intelligence in dynamical systems: A state-of-art review. Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery, 2022, 12, .	4.6	6
167	Numerical solution of the imprecisely defined inverse heat conduction problem. Chinese Physics B, 2015, 24, 050203.	0.7	5
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