

Diptiranjana Behera

List of Publications by Year in descending order

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30
papers

380
citations

1040018

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888047

17
g-index

50
all docs

50
docs citations

50
times ranked

178
citing authors

#	ARTICLE	IF	CITATIONS
1	A new method for solving real and complex fuzzy systems of linear equations. Computational Mathematics and Modeling, 2012, 23, 507-518.	0.5	40
2	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.	1.3	32
3	Dynamic responses of fractionally damped mechanical system using homotopy perturbation method. AEJ - Alexandria Engineering Journal, 2013, 52, 557-562.	6.4	29
4	Solving fuzzy complex system of linear equations. Information Sciences, 2014, 277, 154-162.	6.9	28
5	Fuzzy finite element analysis of imprecisely defined structures with fuzzy nodal force. Engineering Applications of Artificial Intelligence, 2013, 26, 2458-2466.	8.1	27
6	Fuzzy system of linear equations with crisp coefficients. Journal of Intelligent and Fuzzy Systems, 2013, 25, 201-207.	1.4	22
7	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.	4.2	15
8	Numerical solution of fractionally damped beam by homotopy perturbation method. Open Physics, 2013, 11, .	1.7	10
9	FUZZY CENTRE BASED SOLUTION OF FUZZY COMPLEX LINEAR SYSTEM OF EQUATIONS. International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, 2013, 21, 629-642.	1.9	9
10	New methods for solving imprecisely defined linear programming problem under trapezoidal fuzzy uncertainty. Journal of Information and Optimization Sciences, 2021, 42, 603-629.	0.3	9
11	Fuzzy Finite Element based Solution of Uncertain Static Problems of Structural Mechanics. International Journal of Computer Applications, 2013, 69, 6-11.	0.2	9
12	Parameter Identification of Multistorey Frame Structure from Uncertain Dynamic Data. Strojniski Vestnik/Journal of Mechanical Engineering, 2015, 60, 331-338.	1.1	7
13	A new approach for solving fully fuzzy linear programming problem. International Journal of Mathematics in Operational Research, 2019, 15, 296.	0.2	7
14	Numerical solution of the imprecisely defined inverse heat conduction problem. Chinese Physics B, 2015, 24, 050203.	1.4	5
15	Non-probabilistic uncertain static responses of imprecisely defined structures with fuzzy parameters. Journal of Intelligent and Fuzzy Systems, 2016, 30, 3177-3189.	1.4	5
16	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.	3.3	5
17	Uncertain Static and Dynamic Analysis of Imprecisely Defined Structural Systems. , 2017, , 1-30.		5
18	Analytical approach for travelling wave solution of non-linear fifth-order time-fractional Kortewegâ€De Vries equation. Pramana - Journal of Physics, 2022, 96, 1.	1.5	5

#	ARTICLE	IF	CITATIONS
19	Analysis of imprecisely defined fuzzy space-fractional telegraph equations. Pramana - Journal of Physics, 2020, 94, 1.	1.8	3
20	Imprecisely defined fractional-order Fokker-Planck equation subjected to fuzzy uncertainty. Pramana - Journal of Physics, 2021, 95, 1.	1.8	2
21	Alternative methods for linear programming problem under triangular fuzzy uncertainty. Journal of Statistics and Management Systems, 0, , 1-19.	0.6	2
22	Uncertain vibration equation of large membranes. European Physical Journal Plus, 2014, 129, 1.	2.6	1
23	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, .	1.1	1
24	Uncertain dynamic responses of fuzzy fractionally damped spring-mass system. Journal of Intelligent and Fuzzy Systems, 2015, 29, 327-336.	1.4	1
25	A note on a new method for solving an arbitrary fully fuzzy linear system. Soft Computing, 2017, 21, 7117-7118.	3.6	1
26	Solving imprecisely defined vibration equation of large membranes. Engineering Computations, 2017, 34, 2528-2546.	1.4	1
27	Uncertain dynamic responses of imprecisely defined arbitrary order fractionally damped beam subject to various loads. Engineering Computations, 2018, 35, 818-842.	1.4	1
28	Analytical new soliton wave solutions of the nonlinear conformable time-fractional coupled Whitham-Broer-Kaup equations. Modern Physics Letters B, 0, , 2150492.	1.9	1
29	A new approach for solving fully fuzzy linear programming problem. International Journal of Mathematics in Operational Research, 2019, 15, 296.	0.2	1
30	Uncertain Static and Dynamic Analysis of Imprecisely Defined Structural Systems. Advances in Computational Intelligence and Robotics Book Series, 2014, , 357-382.	0.4	0