Amit Kumar

List of Publications by Year
in descending order

71 papers	1,240 citations	430874 18 h-index	395702 33 g-index
74 all docs	74 docs citations	74 times ranked	567 citing authors

#	Article	IF	Citations
1	A new method for solving fully fuzzy linear programming problems. Applied Mathematical Modelling, 2011, 35, 817-823.	4.2	233
2	A new approach for solving fuzzy transportation problems using generalized trapezoidal fuzzy numbers. Applied Soft Computing Journal, 2012, 12, 1201-1213.	7.2	145
3	A new method for solving fuzzy transportation problems using ranking function. Applied Mathematical Modelling, 2011, 35, 5652-5661.	4.2	107
4	A new method for solving linear multi-objective transportation problems with fuzzy parameters. Applied Mathematical Modelling, 2012, 36, 1421-1430.	4.2	60
5	Mehar's method for solving fully fuzzy linear programming problems with L - R fuzzy parameters. Applied Mathematical Modelling, 2013, 37, 7142-7153.	4.2	48
6	Exact fuzzy optimal solution of fully fuzzy linear programming problems with unrestricted fuzzy variables. Applied Intelligence, 2012, 37, 145-154.	5.3	33
7	Solving fully fuzzy linear system with arbitrary triangular fuzzy numbers $(\{m,alpha ,eta \})$. Soft Computing, 2013, 17, 691-702.	3.6	32
8	Application of Classical Transportation Methods to Find the Fuzzy Optimal Solution of Fuzzy Transportation Problems. Fuzzy Information and Engineering, 2011, 3, 81-99.	1.7	30
9	RM Approach for Ranking of Generalized Trapezoidal Fuzzy Numbers. Fuzzy Information and Engineering, 2010, 2, 37-47.	1.7	28
10	Methods for Solving Fuzzy Assignment Problems and Fuzzy Travelling Salesman Problems with Different Membership Functions. Fuzzy Information and Engineering, 2011, 3, 3-21.	1.7	28
11	A New Method for Solving Fuzzy Linear Programs with Trapezoidal Fuzzy Numbers. Journal of Fuzzy Set Valued Analysis, 2011, 2011, 1-12.	0.2	27
12	RM approach for ranking of L–R type generalized fuzzy numbers. Soft Computing, 2011, 15, 1373-1381.	3.6	26
13	Fuzzy optimal solution of fully fuzzy linear programming problems using ranking function. Journal of Intelligent and Fuzzy Systems, 2014, 26, 337-344.	1.4	26
14	A method for unbalanced transportation problems in fuzzy environment. Sadhana - Academy Proceedings in Engineering Sciences, 2014, 39, 573-581.	1.3	26
15	A New Approach for Solving Fully Fuzzy Linear Systems. Advances in Fuzzy Systems, 2011, 2011, 1-8.	0.9	24
16	Linear programming approach for solving fuzzy critical path problems with fuzzy parameters. Applied Soft Computing Journal, 2014, 21, 309-319.	7.2	22
17	Application of Classical Transportation Methods for Solving Fuzzy Transportation Problems. Journal of Transportation System Engineering and Information Technology, 2011, 11, 68-80.	0.6	19
18	Mehar's method to find exact fuzzy optimal solution of unbalanced fully fuzzy multi-objective transportation problems. Optimization Letters, 2012, 6, 1737-1751.	1.6	19

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19	Ambika Methods for Solving Matrix Games With Atanassov's Intuitionistic Fuzzy Payoffs. IEEE Transactions on Fuzzy Systems, 2018, 26, 270-283.	9.8	18
20	A New Computational Method for Solving Fully Fuzzy Linear Systems of Triangular Fuzzy Numbers. Fuzzy Information and Engineering, 2012, 4, 63-73.	1.7	16
21	A note on "Fully fuzzy fixed charge multi-item solid transportation problem". Applied Soft Computing Journal, 2016, 41, 418-419.	7.2	15
22	A Note on the Paper "A Simplified Novel Technique for Solving Fully Fuzzy Linear Programming Problems". Journal of Optimization Theory and Applications, 2014, 163, 685-696.	1.5	14
23	Methods for solving unbalanced fuzzy transportation problems. Operational Research, 2012, 12, 287-316.	2.0	13
24	A New Method to Find the Unique Fuzzy Optimal Value of Fuzzy Linear Programming Problems. Journal of Optimization Theory and Applications, 2013, 156, 529-534.	1.5	13
25	A novel method for solving fully fuzzy linear fractional programming problems. Journal of Intelligent and Fuzzy Systems, 2017, 33, 1983-1990.	1.4	12
26	Modified Approach for Optimization of Real Life Transportation Problem in Neutrosophic Environment. Mathematical Problems in Engineering, 2017, 2017, 1-9.	1.1	12
27	Fuzzy Linear Programming Approach for Solving Fuzzy Transportation Problems with Transshipment. Mathematical Modelling and Algorithms, 2011, 10, 163-180.	0.5	11
28	A new method for sensitivity analysis of fuzzy transportation problems. Journal of Intelligent and Fuzzy Systems, 2013, 25, 167-175.	1.4	10
29	JMD method for transforming an unbalanced fully intuitionistic fuzzy transportation problem into a balanced fully intuitionistic fuzzy transportation problem. Soft Computing, 2020, 24, 15639-15654.	3.6	10
30	Method for solving unbalanced fully fuzzy multi-objective solid minimal cost flow problems. Applied Intelligence, 2013, 38, 239-254.	5.3	9
31	A note on "'Applying fuzzy linguistic preference relations to the improvement of consistency of fuzzy AHP". Information Sciences, 2016, 346-347, 1-5.	6.9	9
32	Commentary on "D-Intuitionistic Hesitant Fuzzy Sets and Their Application in Multiple Attribute Decision Making". Cognitive Computation, 2021, 13, 1047-1048.	5.2	9
33	Optimal way of selecting cities and conveyances for supplying coal in uncertain environment. Sadhana - Academy Proceedings in Engineering Sciences, 2014, 39, 165-187.	1.3	8
34	A Note on "Approaches to Interval Intuitionistic Trapezoidal Fuzzy Multiple Attribute Decision Making with Incomplete Weight Information". International Journal of Fuzzy Systems, 2019, 21, 1010-1011.	4.0	8
35	On Fuzzy Multiobjective Multi-Item Solid Transportation Problem. Journal of Optimization, 2015, 2015, 1-13.	6.0	7
36	A Note on "A New Method for Solving Fuzzy Linear Programming Problems Based on the Fuzzy Linear Complementary Problem (FLCP)". International Journal of Fuzzy Systems, 2016, 18, 333-337.	4.0	7

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37	Commentary on "New aggregation operators of single-valued neutrosophic hesitant fuzzy set and their application in multi-attribute decision making" Pattern Analysis and Applications, 2019, 22, 1207-1209.	4.6	7
38	Application of non-normal p-norm trapezoidal fuzzy number in reliability evaluation of electrical substations. Neural Computing and Applications, 2013, 23, 531-539.	5.6	5
39	Risk analysis of combustion system using vague ranking method. Journal of Intelligent and Fuzzy Systems, 2013, 24, 765-773.	1.4	5
40	Commentary on "Utilizing Linguistic Picture Fuzzy Aggregation Operators for Multiple-Attribute Decision-Making Problems" International Journal of Fuzzy Systems, 2021, 23, 1914-1917.	4.0	5
41	SOME NEW COMPUTATIONAL METHODS TO SOLVE DUAL FULLY FUZZY LINEAR SYSTEM OF ARBITRARY TRIANGULAR FUZZY NUMBERS. New Mathematics and Natural Computation, 2013, 09, 13-26.	0.7	4
42	Linear programming approach to find the solution of fully fuzzy linear systems with arbitrary fuzzy coefficients. Journal of Intelligent and Fuzzy Systems, 2013, 25, 747-753.	1.4	4
43	A note on "A methodology for matrix games with payoffs of triangular intuitionistic fuzzy number" Journal of Intelligent and Fuzzy Systems, 2014, 27, 1689-1691.	1.4	4
44	Modified difference-index based ranking bilinear programming approach to solving bimatrix games with payoffs of trapezoidal intuitionistic fuzzy numbers. Journal of Intelligent and Fuzzy Systems, 2015, 29, 1607-1618.	1.4	4
45	Sustainable energy planning decision using the intuitionistic fuzzy analytic hierarchy process: choosing energy technology in Malaysia: necessary modifications. International Journal of Sustainable Energy, 2018, 37, 436-437.	2.4	4
46	A note on "Transportation problem under interval-valued intuitionistic fuzzy environment" Journal of Intelligent and Fuzzy Systems, 2019, 37, 897-900.	1.4	4
47	Mehar approach for solving dual-hesitant fuzzy transportation problem with restrictions. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.	1.3	4
48	Fuzzy Optimal Solution of Fully Fuzzy Project Crashing Problems with New Representation of LR Flat Fuzzy Numbers. Lecture Notes in Computer Science, 2011, , 171-174.	1.3	3
49	An algorithm for solving fuzzy maximal flow problems using generalized triangular fuzzy numbers. International Journal of Hybrid Intelligent Systems, 2011, 8, 15-24.	1.2	3
50	Mehar Methods for Fuzzy Optimal Solution and Sensitivity Analysis of Fuzzy Linear Programming with Symmetric Trapezoidal Fuzzy Numbers. Mathematical Problems in Engineering, 2014, 2014, 1-8.	1.1	3
51	A Note on the Paper "Duality Theory for Optimization Problems with Interval-Valued Objective Functions" Journal of Optimization Theory and Applications, 2016, 169, 344-347.	1.5	3
52	Mehar Approach for Finding Shortest Path in Supply Chain Network. Sustainability, 2021, 13, 4016.	3.2	3
53	Applications of Fuzzy Linear Programming with Generalized LR Flat Fuzzy Parameters. Fuzzy Information and Engineering, 2013, 5, 475-492.	1.7	2
54	Application of the weakest t-norm (Tϖ) based vague lambda-tau methodology for reliability analysis of gas turbine system. Journal of Intelligent and Fuzzy Systems, 2013, 25, 907-918.	1.4	2

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55	A new method for solving single and multi-objective fuzzy minimum cost flow problems with different membership functions. Sadhana - Academy Proceedings in Engineering Sciences, 2014, 39, 189-206.	1.3	2
56	A note on "Ranking generalized exponential trapezoidal fuzzy numbers based on variance" Journal of Intelligent and Fuzzy Systems, 2016, 31, 213-215.	1.4	2
57	A note on "A fuzzy approach to transport optimization problem" Optimization and Engineering, 2016, 17, 987-992.	2.4	2
58	Comment on "Least-squares approach to regression modeling in full interval-valued fuzzy environment" Soft Computing, 2019, 23, 10019-10027.	3.6	2
59	A note on "Novel scaled prioritized intuitionistic fuzzy soft interaction averaging aggregation operators and their application to multi criteria decision making" Engineering Applications of Artificial Intelligence, 2020, 87, 103287.	8.1	2
60	A new approach for analysis the fuzzy reliability using LR type interval valued flat vague set. International Journal of Systems Assurance Engineering and Management, 2012, 3, 360-370.	2.4	1
61	Mehar Method to Find the Fuzzy Optimal Solution of Bounded Fully Fuzzy Linear Programs with Symmetric Trapezoidal Fuzzy Numbers. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2019, 89, 241-248.	1.2	1
62	Mehar method for solving unbalanced generalized interval-valued trapezoidal fuzzy number transportation problems. , 2020, , 311-334.		1
63	Commentary on "On Intuitionistic Fuzzy Copula Aggregation Operators in Multiple-Attribute Decision Making" Cognitive Computation, 2020, 12, 891-895.	5.2	1
64	JMD Approach for Solving Unbalanced Fully Trapezoidal Intuitionistic Fuzzy Transportation Problems. Studies in Fuzziness and Soft Computing, 2021, , 143-203.	0.8	1
65	Mehar's Methods for Fuzzy Assignment Problems with Restrictions. Fuzzy Information and Engineering, 2013, 5, 27-44.	1.7	0
66	Modification in Chen and Tsai's method for solving time–cost trade-off problems of project networks in fuzzy environments. Neural Computing and Applications, 2013, 23, 1045-1050.	5.6	0
67	Commentary on "A reply to a Note on the paper "A simplified novel technique for solving fully fuzzy linear programming problems"" Journal of Intelligent and Fuzzy Systems, 2019, 36, 5685-5691.	1.4	0
68	Appropriate Weighted Averaging Aggregation Operator Under Some Extensions of the Fuzzy Environment. Studies in Fuzziness and Soft Computing, 2021, , 1-86.	0.8	0
69	Mehar approach to solve fuzzy linear fractional minimal cost flow problems. Journal of Intelligent and Fuzzy Systems, 2022, , 1-17.	1.4	0
70	An Application of Possibilistic Moments of Nonlinear Type of Fuzzy Numbers in Supply Chain Management. Mathematical Problems in Engineering, 2021, 2021, 1-18.	1.1	0
71	A note on "Dealer using a new trapezoidal cubic hesitant fuzzy TOPSIS method and application to group decision-making program" Soft Computing, 0, , .	3.6	0