

# Mukesh Kumar Mehlawat

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

1,553  
citations

304743

22  
h-index

330143

37  
g-index

59  
all docs

59  
docs citations

59  
times ranked

957  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selection of renewable energy sources: a novel VIKOR approach in an intuitionistic fuzzy linguistic environment. <i>Environment, Development and Sustainability</i> , 2023, 25, 3429-3467.	5.0	14
2	Data envelopment analysis based multi-objective optimization model for evaluation and selection of software components under optimal redundancy. <i>Annals of Operations Research</i> , 2022, 312, 193-216.	4.1	5
3	Software component evaluation and selection using TOPSIS and fuzzy interactive approach under multiple applications development. <i>Annals of Operations Research</i> , 2022, 312, 441-471.	4.1	4
4	A fuzzy approach for evaluation and selection of performance testing tools for modular software development. <i>International Journal of Reliability, Quality and Safety Engineering</i> , 2022, 29, .	0.6	0
5	Dynamic portfolio optimization using technical analysisâ€based clustering. <i>International Journal of Intelligent Systems</i> , 2022, 37, 6978-7057.	5.7	5
6	An optimization model for a sustainable and socially beneficial four-stage supply chain. <i>Information Sciences</i> , 2022, 594, 371-399.	6.9	13
7	Socially aware fuzzy vehicle routing problem: A topic modeling based approach for driver well-being. <i>Expert Systems With Applications</i> , 2022, 205, 117655.	7.6	7
8	An integrated AHP-DEA multi-objective optimization model for sustainable transportation in mining industry. <i>Resources Policy</i> , 2021, 74, 101180.	9.6	59
9	A nonlinear programming approach to solve MADM problem with triangular fuzzy preference and non-preference information. <i>Optimization and Engineering</i> , 2021, 22, 1091-1116.	2.4	5
10	Sentiment Analysis for Driver Selection in Fuzzy Capacitated Vehicle Routing Problem With Simultaneous Pick-Up and Drop in Shared Transportation. <i>IEEE Transactions on Fuzzy Systems</i> , 2021, 29, 1198-1211.	9.8	5
11	Multi-period portfolio optimization using coherent fuzzy numbers in a credibilistic environment. <i>Expert Systems With Applications</i> , 2021, 167, 114135.	7.6	24
12	Double-hierarchy hesitant fuzzy linguistic term set-based decision framework for multi-attribute group decision-making. <i>Soft Computing</i> , 2021, 25, 2665-2685.	3.6	23
13	Meanâ€variance portfolio optimization using machine learning-based stock price prediction. <i>Applied Soft Computing Journal</i> , 2021, 100, 106943.	7.2	131
14	Portfolio Selection Using Data Envelopment Analysis Cross-Efficiency Evaluation with Undesirable Fuzzy Inputs and Outputs. <i>International Journal of Fuzzy Systems</i> , 2021, 23, 1478-1509.	4.0	7
15	Multiobjective fuzzy vehicle routing using Twitter data: Reimagining the delivery of essential goods. <i>International Journal of Intelligent Systems</i> , 2021, 36, 3566-3595.	5.7	15
16	Interval-valued probabilistic uncertain linguistic information for decision-making: selection of hydrogen production methodology. <i>Soft Computing</i> , 2021, 25, 9121-9138.	3.6	4
17	An MAGDM approach with qâ€rung orthopair trapezoidal fuzzy information for waste disposal site selection problem. <i>International Journal of Intelligent Systems</i> , 2021, 36, 4524-4559.	5.7	14
18	Portfolio optimization using higher moments in an uncertain random environment. <i>Information Sciences</i> , 2021, 567, 348-374.	6.9	27

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19	Multiobjective portfolio optimization using coherent fuzzy numbers in a credibilistic environment. <i>International Journal of Intelligent Systems</i> , 2021, 36, 1560-1594.	5.7	10
20	A comprehensive model for fuzzy multi-objective portfolio selection based on DEA cross-efficiency model. <i>Soft Computing</i> , 2020, 24, 2515-2526.	3.6	30
21	A Hybrid Intelligent Approach to Integrated Fuzzy Multiple Depot Capacitated Green Vehicle Routing Problem With Split Delivery and Vehicle Selection. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 1155-1166.	9.8	31
22	Intuitionistic fuzzy optimistic and pessimistic multi-period portfolio optimization models. <i>Soft Computing</i> , 2020, 24, 11931-11956.	3.6	19
23	Multiobjective Fuzzy Portfolio Performance Evaluation Using Data Envelopment Analysis Under Credibilistic Framework. <i>IEEE Transactions on Fuzzy Systems</i> , 2020, 28, 2726-2737.	9.8	34
24	A multi-period multi-objective optimization framework for software enhancement and component evaluation, selection and integration. <i>Information Sciences</i> , 2020, 523, 91-110.	6.9	6
25	A Credibilistic Fuzzy DEA Approach for Portfolio Efficiency Evaluation and Rebalancing Toward Benchmark Portfolios Using Positive and Negative Returns. <i>International Journal of Fuzzy Systems</i> , 2020, 22, 824-843.	4.0	20
26	A polynomial goal programming approach for intuitionistic fuzzy portfolio optimization using entropy and higher moments. <i>Applied Soft Computing Journal</i> , 2019, 85, 105781.	7.2	31
27	Sustainable transportation planning for a three-stage fixed charge multi-objective transportation problem. <i>Annals of Operations Research</i> , 2019, , 1.	4.1	29
28	A Generalized TOPSIS Method for Intuitionistic Fuzzy Multiple Attribute Group Decision Making Considering Different Scenarios of Attributes Weight Information. <i>International Journal of Fuzzy Systems</i> , 2019, 21, 369-387.	4.0	32
29	Multi-objective optimization framework for software maintenance, component evaluation and selection involving outsourcing, redundancy and customer to customer relationship. <i>Information Sciences</i> , 2019, 483, 21-52.	6.9	9
30	A novel hybrid heuristic algorithm for a new uncertain mean-variance-skewness portfolio selection model with real constraints. <i>Applied Intelligence</i> , 2018, 48, 2996-3018.	5.3	36
31	Multi-attribute group decision making based on extended TOPSIS method under interval-valued intuitionistic fuzzy environment. <i>Applied Soft Computing Journal</i> , 2018, 69, 554-567.	7.2	88
32	A hybrid FA&acirc;SA algorithm for fuzzy portfolio selection with transaction costs. <i>Annals of Operations Research</i> , 2018, 269, 129-147.	4.1	18
33	Investor-friendly and robust portfolio selection model integrating forecasts for financial tendency and risk-averse. <i>Annals of Operations Research</i> , 2018, 269, 205-221.	4.1	9
34	Intuitionistic fuzzy multi-criteria group decision making with an application to critical path selection. <i>Annals of Operations Research</i> , 2018, 269, 505-520.	4.1	8
35	Data envelopment analysis based fuzzy multi-objective portfolio selection model involving higher moments. <i>Information Sciences</i> , 2018, 460-461, 128-150.	6.9	32
36	Multi-criteria optimization model integrated with AHP for evaluation and selection of COTS components. <i>Optimization</i> , 2017, 66, 1879-1894.	1.7	8

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37	Intuitionistic fuzzy multi-attribute group decision-making with an application to plant location selection based on a new extended VIKOR method. <i>Information Sciences</i> , 2016, 370-371, 184-203.	6.9	108
38	A weighted possibilistic programming approach for sustainable vendor selection and order allocation in fuzzy environment. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 86, 1785-1804.	3.0	29
39	Credibilistic mean-entropy models for multi-period portfolio selection with multi-choice aspiration levels. <i>Information Sciences</i> , 2016, 345, 9-26.	6.9	75
40	A new fuzzy group multi-criteria decision making method with an application to the critical path selection. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 83, 1281-1296.	3.0	21
41	A New Method for Intuitionistic Fuzzy Multiattribute Decision Making. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2016, 46, 1167-1179.	9.3	34
42	COTS products selection using fuzzy chance-constrained multiobjective programming. <i>Applied Intelligence</i> , 2015, 43, 732-751.	5.3	8
43	Multiobjective credibilistic model for COTS products selection of modular software systems under uncertainty. <i>Applied Intelligence</i> , 2015, 42, 353-368.	5.3	6
44	A FUZZY APPROACH TO MULTIOBJECTIVE COTS PRODUCTS SELECTION OF MODULAR SOFTWARE SYSTEMS USING EXPONENTIAL MEMBERSHIP FUNCTIONS. <i>International Journal of Reliability, Quality and Safety Engineering</i> , 2014, 21, 1450005.	0.6	3
45	CREDIBILITY-BASED FUZZY MATHEMATICAL PROGRAMMING MODEL FOR PORTFOLIO SELECTION UNDER UNCERTAINTY. <i>International Journal of Information Technology and Decision Making</i> , 2014, 13, 101-135.	3.9	18
46	A goal programming approach for a multi-objective multi-choice assignment problem. <i>Optimization</i> , 2014, 63, 1549-1563.	1.7	10
47	Fuzzy Chance-Constrained Multiobjective Portfolio Selection Model. <i>IEEE Transactions on Fuzzy Systems</i> , 2014, 22, 653-671.	9.8	44
48	Fuzzy Portfolio Optimization. <i>Studies in Fuzziness and Soft Computing</i> , 2014, , .	0.8	39
49	A multicriteria optimization model of portfolio rebalancing with transaction costs in fuzzy environment. <i>Memetic Computing</i> , 2014, 6, 61-74.	4.0	12
50	Multiobjective expected value model for portfolio selection in fuzzy environment. <i>Optimization Letters</i> , 2013, 7, 1765-1791.	1.6	21
51	Multiobjective credibilistic portfolio selection model with fuzzy chance-constraints. <i>Information Sciences</i> , 2013, 229, 1-17.	6.9	57
52	Expected value multiobjective portfolio rebalancing model with fuzzy parameters. <i>Insurance: Mathematics and Economics</i> , 2013, 52, 190-203.	1.2	45
53	A MULTI-CHOICE GOAL PROGRAMMING APPROACH FOR COTS PRODUCTS SELECTION OF MODULAR SOFTWARE SYSTEMS. <i>International Journal of Reliability, Quality and Safety Engineering</i> , 2013, 20, 1350026.	0.6	6
54	COTS selection using fuzzy interactive approach. <i>Optimization Letters</i> , 2012, 6, 273-289.	1.6	22

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55	Optimization Model of COTS Selection Based on Cohesion and Coupling for Modular Software Systems under Multiple Applications Environment. Lecture Notes in Computer Science, 2012, , 87-102.	1.3	5
56	A MEMBERSHIP FUNCTION APPROACH FOR COST-RELIABILITY TRADE-OFF OF COTS SELECTION IN FUZZY ENVIRONMENT. International Journal of Reliability, Quality and Safety Engineering, 2011, 18, 573-595.	0.6	16
57	Asset portfolio optimization using fuzzy mathematical programming. Information Sciences, 2008, 178, 1734-1755.	6.9	147
58	An integrated fuzzy-grey relational analysis approach to portfolio optimization. Applied Intelligence, 0, , .	5.3	0