

Ramesh Kumar Garg

List of Publications by Year in descending order

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63
papers

1,004
citations

516561

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h-index

477173

29
g-index

65
all docs

65
docs citations

65
times ranked

638
citing authors

#	ARTICLE	IF	CITATIONS
1	Selection of Optimal Software Reliability Growth Models Using a Distance Based Approach. IEEE Transactions on Reliability, 2010, 59, 266-276.	3.5	108
2	Optimal selection of robots by using distance based approach method. Robotics and Computer-Integrated Manufacturing, 2010, 26, 500-506.	6.1	91
3	Optimization of FDM 3D printing process parameters for multi-material using artificial neural network. Materials Today: Proceedings, 2020, 21, 1583-1591.	0.9	84
4	MADM-Based Parametric Selection and Ranking of E-Learning Websites Using Fuzzy COPRAS. IEEE Transactions on Education, 2019, 62, 11-18.	2.0	65
5	A study on wear behaviour of Al/6101/graphite composites. Journal of Asian Ceramic Societies, 2017, 5, 42-48.	1.0	62
6	3D printable biomaterials for orthopedic implants: Solution for sustainable and circular economy. Resources Policy, 2020, 68, 101767.	4.2	45
7	Selection and ranking of E-learning websites using weighted distance-based approximation. Journal of Computers in Education, 2016, 3, 193-207.	5.0	43
8	Selection of power plants by evaluation and comparison using graph theoretical methodology. International Journal of Electrical Power and Energy Systems, 2006, 28, 429-435.	3.3	30
9	Ranking and selection of commercial off-the-shelf using fuzzy distance based approach. Decision Science Letters, 2016, , 201-210.	0.5	26
10	Coding, evaluation and selection of thermal power plants – A MADM approach. International Journal of Electrical Power and Energy Systems, 2007, 29, 657-668.	3.3	25
11	Establishing Mathematical Relationships to Study Tensile Behavior of Friction Stir Welded AA5086-H32 Aluminium Alloy Joints. Silicon, 2019, 11, 51-65.	1.8	25
12	Optimal selection of E-learning websites using multiattribute decision-making approaches. Journal of Multi-Criteria Decision Analysis, 2017, 24, 187-196.	1.0	24
13	MCDM-Based Parametric Selection of Cloud Deployment Models for an Academic Organization. IEEE Transactions on Cloud Computing, 2022, 10, 863-871.	3.1	23
14	Reduction in stress concentration around a pair of circular holes with functionally graded material layer. Acta Mechanica, 2018, 229, 1045-1060.	1.1	19
15	Multi-criteria decision making approach for the selection of software effort estimation model. Management Science Letters, 2017, , 285-296.	0.8	17
16	Ranking of software engineering metrics by fuzzy-based matrix methodology. Software Testing Verification and Reliability, 2013, 23, 149-168.	1.7	16
17	E-learning website evaluation and selection using multiattribute decision making matrix methodology. Computer Applications in Engineering Education, 2017, 25, 938-947.	2.2	15
18	Decision Support System for Optimal Selection of Software Reliability Growth Models Using a Hybrid Approach. IEEE Transactions on Reliability, 2022, 71, 149-161.	3.5	15

#	ARTICLE	IF	CITATIONS
19	MCDM based evaluation and ranking of commercial off-the-shelf using fuzzy based matrix method. <i>Decision Science Letters</i> , 2017, , 117-136.	0.5	14
20	Implementing weighted entropy-distance based approach for the selection of software reliability growth models. <i>International Journal of Computer Applications in Technology</i> , 2018, 57, 255.	0.3	14
21	Parametric optimization of friction stir welding process for marine grade aluminum alloy. <i>International Journal of Structural Integrity</i> , 2019, 10, 162-175.	1.8	14
22	3D printable biomaterials for dental restoration: A systematic review. <i>Materials Today: Proceedings</i> , 2022, 63, 566-572.	0.9	14
23	Selection of FSW Tool Parameters for Joining Al-Mg4.2 Alloy: An Experimental Approach. <i>Metallography, Microstructure, and Analysis</i> , 2018, 7, 524-532.	0.5	13
24	Stress concentration reduction using different functionally graded materials layer around the hole in an infinite panel. <i>Strength, Fracture and Complexity</i> , 2019, 12, 31-45.	0.2	13
25	Structural equation modeling of E-supplier selection criteria in mechanical manufacturing industries. <i>Journal of Cleaner Production</i> , 2021, 311, 127597.	4.6	13
26	On the reduction of stress concentration factor in an infinite panel using different radial functionally graded materials. <i>International Journal of Materials and Product Technology</i> , 2018, 57, 109.	0.1	12
27	A study on farmers' satisfaction and happiness after the land sale for urban expansion in India. <i>Land Use Policy</i> , 2021, 109, 105603.	2.5	12
28	Implementation of multi-criteria decision making approach for the team leader selection in IT sector. <i>Journal of Project Management</i> , 2016, , 67-75.	0.8	11
29	Reduction of stress concentration for a rounded rectangular hole by using a functionally graded material layer. <i>Acta Mechanica</i> , 2017, 228, 3695-3707.	1.1	11
30	Effect of tool rotational and transverse speed on mechanical properties of friction stir welded AA5086-H32 aluminium alloy. <i>International Journal of Microstructure and Materials Properties</i> , 2017, 12, 79.	0.1	10
31	Modeling and optimization of friction stir welding parameters in joining 5086 H32 aluminium alloy.. <i>Scientia Iranica</i> , 2018, .	0.3	9
32	Effect of tool rotational and transverse speed on mechanical properties of friction stir welded AA5086-H32 aluminium alloy. <i>International Journal of Microstructure and Materials Properties</i> , 2017, 12, 79.	0.1	9
33	Mechanical and microstructural behaviour of Al-Mg4.2 alloy friction stir butt welds. <i>Materials Research Express</i> , 2019, 6, 056514.	0.8	8
34	Decision support system for maximum availability of series-parallel system using particle swarm optimisation. <i>International Journal of Intelligent Enterprise</i> , 2016, 3, 148.	0.1	7
35	Inventory models and their selection parameters: a critical review. <i>International Journal of Intelligent Enterprise</i> , 2013, 2, 1.	0.1	6
36	Effect of Graphite Content on Mechanical Properties and Friction Coefficient of Reinforced Aluminum Composites. <i>Powder Metallurgy and Metal Ceramics</i> , 2017, 56, 264-272.	0.4	6

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37	Power quality evaluation in deregulated power system using matrix method. International Journal of Global Energy Issues, 2007, 28, 1.	0.2	5
38	Computational MADM evaluation and ranking of cloud service providers using distance-based approach. International Journal of Information and Decision Sciences, 2018, 10, 222.	0.1	5
39	Development of decision support system for e-supplier selection in Indian mechanical manufacturing industry using distance based approximation. Decision Science Letters, 2019, , 295-308.	0.5	5
40	Smart diagnostics devices through artificial intelligence and mechanobiological approaches. 3 Biotech, 2020, 10, 351.	1.1	5
41	A Statistical Method to Predict the Hardness and Grain Size After Equal Channel Angular Pressing of AA-6063 with Intermediate Annealing. Arabian Journal for Science and Engineering, 2021, 46, 2055-2070.	1.7	5
42	Level Set function-based Functionally Graded Material for the reduction of maximum stresses around a pair of inclined unequal circular holes. Strength, Fracture and Complexity, 2021, , 1-17.	0.2	5
43	Parametric selection of software reliability growth models using multi-criteria decision-making approach. International Journal of Reliability and Safety, 2019, 13, 291.	0.2	4
44	A Ranking Model for the Selection and Ranking of Commercial Off-the-Shelf Components. IEEE Transactions on Engineering Management, 2022, 69, 2196-2204.	2.4	4
45	Classification of Pediatric Pneumonia Prediction Approaches. , 2021, , .		4
46	Urban housing: a study on housing environment, residentsâ€™ satisfaction and happiness. Open House International, 2021, 46, 528-547.	0.6	4
47	Experimental & Mathematical Modeling and Analysis of Piezoelectric Energy Harvesting With Dynamic Periodic Loading. International Journal of Recent Technology and Engineering, 2019, 8, 6346-6350.	0.2	4
48	Availability analysis and evaluation of series parallel system using soft computing technique. International Journal of Reliability and Safety, 2016, 10, 346.	0.2	3
49	Evaluation, Selection and Ranking of Software Reliability Growth Models using Multi criteria Decision making Approach. , 2018, , .		3
50	An empirical study to identify and develop constructive model of e-supply chain risks based on Indian mechanical manufacturing industries. Management Science Letters, 2019, , 217-228.	0.8	3
51	Implementing weighted entropy-distance based approach for the selection of software reliability growth models. International Journal of Computer Applications in Technology, 2018, 57, 255.	0.3	3
52	Intelligent Video Surveillance Based on YOLO: A Comparative Study. , 2021, , .		3
53	Analysis of Software Reliability Models for Reliability Estimation. , 2019, , .		2
54	Evaluation and Selection of R&D Projects using Multi-Criteria Decision Making Method. , 2019, , .		2

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55	Decision Support System for Evaluation and Ranking of Robots Using Hybrid Approach. IEEE Transactions on Engineering Management, 2023, 70, 3283-3296.	2.4	1
56	Availability analysis and evaluation of series parallel system using soft computing technique. International Journal of Reliability and Safety, 2016, 10, 346.	0.2	1
57	Hybrid Multi-Attribute Decision Making Approach: Extension of Distance Based Approach. , 2018, , .		0
58	Online learning: a stakeholders analysis using structural equation modelling. International Journal of Technology Enhanced Learning, 2021, 1, 1.	0.4	0
59	The Demand Forecasting, A Comparative Review of Conventional and Non-Conventional Techniques. International Journal of Mechanical and Production Engineering Research and Development, 2019, 9, 253-262.	0.1	0
60	Quest for dexterous prospects in AI regulated arena: opportunities and challenges in healthcare. International Journal of Healthcare Technology and Management, 2020, 18, 22.	0.1	0
61	Deterministic Decision Support System for the Assessment of Cities Based on Air Quality Indicators. International Journal of Decision Support System Technology, 2022, 14, 1-21.	0.4	0
62	Comparative Analysis of Mechanical Behavior of Femur Bone of Different Age and Sex Using FEA. Lecture Notes in Mechanical Engineering, 2022, , 27-35.	0.3	0
63	Models and Challenges Categorization in Cloud Computing. , 2021, , .		0