

Siba Sankar Mahapatra

List of Publications by Year in descending order

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203
papers

6,086
citations

81743

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95083

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docs citations

203
times ranked

5027
citing authors

#	ARTICLE	IF	CITATIONS
1	Parametric optimization of parameters affecting dimension precision of FDM printed part using hybrid Taguchi-MARCOS-nature inspired heuristic optimization technique. <i>Materials Today: Proceedings</i> , 2022, 50, 893-903.	0.9	28
2	Prediction of welding responses using AI approach: adaptive neuro-fuzzy inference system and genetic programming. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2022, 44, 1.	0.8	6
3	Experimental Investigation on Microwave Sintered Composite Tool for Electro-Discharge Machining of Titanium Alloy. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 5026-5041.	1.2	4
4	A hybrid Grey-TOPSIS based quantum behaved particle swarm optimization for selection of electrode material to machine Ti6Al4V by electro-discharge machining. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2022, 44, 1.	0.8	4
5	Prediction and optimization of performance measures in electrical discharge machining using rapid prototyping tool electrodes. <i>Journal of Intelligent Manufacturing</i> , 2021, 32, 2125-2145.	4.4	4
6	Performance analysis of Cu-W-B ₄ C composite tool during electrical discharge machining of titanium alloy. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 1992-2007.	1.1	6
7	Prediction of quality characteristics of laser drilled holes using artificial intelligence techniques. <i>Engineering With Computers</i> , 2021, 37, 1181-1204.	3.5	20
8	Electro-discharge Machining (EDM) of Superalloy Inconel 718 Using Triangular Cross-Sectioned Copper Tool Electrode: Emphasis on Topography and Metallurgical Characteristics of the EDMed Work Surface. <i>Proceedings of the National Academy of Sciences India Section A - Physical Sciences</i> , 2021, 91, 123-134.	0.8	4
9	A study on machinability aspects and parametric optimization of Inconel 825 using Rao1, Rao2, Rao3 approach. <i>Materials Today: Proceedings</i> , 2021, 47, 2784-2784.	0.9	1
10	Analysis of Dimensional Accuracy of ABS M30 Built Parts Using FDM Process. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2021, , 173-181.	0.3	5
11	Surface Characteristics of EDMed Titanium Alloy and AISI 1040 Steel Workpieces Using Rapid Tool Electrode. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 699-718.	1.7	14
12	Performance analysis of tool electrode prepared through laser sintering process during electrical discharge machining of titanium. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 106, 1017-1041.	1.5	26
13	Role of PVD coating on wear and surface integrity during environment-friendly micro-drilling of Ni-based superalloy. <i>Journal of Cleaner Production</i> , 2020, 272, 122741.	4.6	15
14	Experimental Evaluation for Improving Multiple Quality Characteristics of Drilled Holes: A Case Study on Drilling of Ti6Al4V. <i>Journal of Advanced Manufacturing Systems</i> , 2020, 19, 189-214.	0.4	3
15	Physical and mechanical characterization of dissimilar laser welded joints of AISI 316/Cu/SMA using fiber laser technology. <i>Journal of Laser Applications</i> , 2020, 32, 032018.	0.8	10
16	Quality characterization of dissimilar laser welded joints of Ti6Al4V with AISI 304 by using copper deposition technique. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 106, 4577-4591.	1.5	11
17	Optimization of Quality Characteristics in Laser Drilling of Ti6Al4V Using VIKOR. <i>Lecture Notes in Intelligent Transportation and Infrastructure</i> , 2020, , 59-67.	0.3	2
18	Through hole making by electro-discharge machining on Inconel 625 super alloy using hollow copper tool electrode. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2019, 233, 348-370.	1.4	14

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19	An integrated approach for scheduling flexible job-shop using teaching-learning-based optimization method. <i>Journal of Industrial Engineering International</i> , 2019, 15, 181-192.	1.8	21
20	Study of cutting forces and surface integrity in micro drilling of a Ni-based superalloy. <i>Journal of Manufacturing Processes</i> , 2019, 45, 368-378.	2.8	31
21	Machinability analysis of Inconel 601, 625, 718 and 825 during electro-discharge machining: On evaluation of optimal parameters setting. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 137, 382-400.	2.5	35
22	Parametric appraisal of mechanical and metallurgical behavior of butt welded joints using pulsed Nd:YAG laser on thin sheets of AISI 316. <i>Optics and Laser Technology</i> , 2019, 117, 186-199.	2.2	17
23	A study on behaviour of bullwhip effect in (R, S) inventory control system considering DWT-MGGP demand forecasting model. <i>Journal of Modelling in Management</i> , 2019, 14, 385-407.	1.1	7
24	An integrated multi-response optimisation route combining principal component analysis, fuzzy inference system, nonlinear regression and JAYA algorithm: a case experimental study on machining of GFRP (epoxy) composites. <i>International Journal of Industrial and Systems Engineering</i> , 2019, 32, 497.	0.1	2
25	Effect of Feed and Nose radius on various machinability criteria in dry machining of Inconel 825. <i>Materials Today: Proceedings</i> , 2019, 18, 5231-5239.	0.9	2
26	Effect of deep cryogenic treatment on performance measures in wire electrical discharge machining process during taper cutting operation. <i>International Journal of Productivity and Quality Management</i> , 2019, 26, 1.	0.1	1
27	Synthesis and characterization of magnetic bio-adsorbent developed from Aegle marmelos leaves for removal of As(V) from aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2019, 26, 946-958.	2.7	61
28	Drilling of micro-holes on titanium alloy using pulsed Nd:YAG laser: Parametric appraisal and prediction of performance characteristics. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2019, 233, 1872-1889.	1.5	36
29	Two-stage teaching-learning-based optimization method for flexible job-shop scheduling under machine breakdown. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 100, 1419-1432.	1.5	49
30	Prediction of cost and emission from Indian coal-fired power plants with CO ₂ capture and storage using artificial intelligence techniques. <i>Frontiers in Energy</i> , 2019, 13, 149-162.	1.2	7
31	Optimization of Electrical Discharge Machining of Titanium Alloy (Ti6Al4V) by Grey Relational Analysis Based Firefly Algorithm. , 2019, , 29-53.		8
32	Optimization of Surface Roughness Parameters by Different Multi-Response Optimization Techniques During Electro-Discharge Machining of Titanium Alloy. <i>Advances in Mechatronics and Mechanical Engineering</i> , 2019, , 82-108.	1.0	3
33	Study of Various Aspects of Copper Coating on ABS Plastic by Electric Arc Spraying. <i>Materials Today: Proceedings</i> , 2018, 5, 8446-8453.	0.9	12
34	Optimization of Electro-Discharge Machining Responses of Super Alloy Inconel 718: Use of Satisfaction Function Approach Combined with Taguchi Philosophy. <i>Materials Today: Proceedings</i> , 2018, 5, 4376-4383.	0.9	11
35	Electro-Discharge Machining of Inconel 718 Using Square Cross Sectioned Copper Tool Electrode: Studies on Topography and Metallurgical Features of the EDMed Work Surface. <i>Materials Today: Proceedings</i> , 2018, 5, 4847-4854.	0.9	6
36	Optimization of cryo-treated EDM variables using TOPSIS-based TLBO algorithm. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2018, 43, 1.	0.8	36

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37	A preliminary analysis of increase in water use with carbon capture and storage for Indian coal-fired power plants. <i>Environmental Technology and Innovation</i> , 2018, 9, 51-62.	3.0	24
38	Multi-Response Optimization during Electro-Discharge Machining of Super Alloy Inconel 718: Application of PCA-TOPSIS. <i>Materials Today: Proceedings</i> , 2018, 5, 4269-4276.	0.9	9
39	An intelligent approach for prediction of angular error in taper cutting using wire-EDM. <i>Materials Today: Proceedings</i> , 2018, 5, 6121-6127.	0.9	5
40	Application of WPCA based taguchi method for multi-response optimization of abrasive jet machining process. <i>Materials Today: Proceedings</i> , 2018, 5, 5138-5144.	0.9	15
41	Delamination Effect on Flexural Responses of Layered Curved Shallow Shell Panel-Experimental and Numerical Analysis. <i>International Journal of Computational Methods</i> , 2018, 15, 1850027.	0.8	13
42	Improved teaching-learning-based and JAYA optimization algorithms for solving flexible flow shop scheduling problems. <i>Journal of Industrial Engineering International</i> , 2018, 14, 555-570.	1.8	26
43	Optimization of surface roughness by MOORA method in EDM by electrode prepared via selective laser sintering process. <i>Materials Today: Proceedings</i> , 2018, 5, 19019-19026.	0.9	16
44	Optimization of Electro-Discharge Coating Process using Harmony Search. <i>Materials Today: Proceedings</i> , 2018, 5, 12673-12680.	0.9	11
45	Effects of Addition of Copper Powder in the Dielectric Media (EDM Oil) on Electro-Discharge Machining Performance of Inconel 718 Super Alloys. <i>Materials Today: Proceedings</i> , 2018, 5, 17618-17626.	0.9	9
46	Experimental Investigation Of Quality Characteristics In Nd:YAG Laser Drilling Of Stainless Steel (AISI) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	3
47	Parametric Appraisal of WEDM Taper Cutting Process Using Maximum Deviation Method. <i>Materials Today: Proceedings</i> , 2018, 5, 11601-11607.	0.9	1
48	Multi Response Optimization of Nd:YAG Laser Micro Drilling Characteristics of 304 Stainless Steel using Desirability Function Approach. <i>Materials Today: Proceedings</i> , 2018, 5, 18975-18982.	0.9	6
49	Performance Analysis of Rapid Tool in Electrical Discharge Machining During Machining of Titanium Alloy (Ti6Al4V). , 2018, , .		1
50	An experimental study on drilling of titanium alloy using CO2 laser. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2018, 43, 1.	0.8	13
51	Quality Evaluation of Micro Drilled Hole Using Pulsed Nd:YAG Laser: a Case Study on AISI 316. <i>Lasers in Manufacturing and Materials Processing</i> , 2018, 5, 248-269.	1.2	21
52	An experimental investigation on strain controlled fatigue behaviour of FDM build parts. <i>International Journal of Productivity and Quality Management</i> , 2018, 24, 323.	0.1	4
53	Study on effect of tool electrodes on surface finish during electrical discharge machining of Nitinol. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 338, 012033.	0.3	16
54	Electrical Discharge Coating by Copper-Tungsten Composite Electrode Prepared by Powder Metallurgy Route. <i>Advances in Mechatronics and Mechanical Engineering</i> , 2018, , 195-224.	1.0	1

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55	Analysis on surface characteristics of electro-discharge machined Inconel 718. International Journal of Materials and Product Technology, 2018, 56, 135.	0.1	1
56	Parametric appraisal and optimization in machining of CFRP composites by using TLBO (teachingâ€”learning based optimization algorithm). Journal of Intelligent Manufacturing, 2017, 28, 1769-1785.	4.4	42
57	A risk-based decision support framework for selection of appropriate safety measure system for underground coal mines. International Journal of Injury Control and Safety Promotion, 2017, 24, 54-68.	1.0	15
58	Analysis of occupational health hazards and associated risks in fuzzy environment: a case research in an Indian underground coal mine. International Journal of Injury Control and Safety Promotion, 2017, 24, 311-327.	1.0	25
59	Dominance based fuzzy decision support framework for g-resilient (ecosilient) supplier selection: an empirical modelling. International Journal of Sustainable Engineering, 2017, 10, 338-357.	1.9	12
60	Electrical discharge machining of Inconel 825 using cryogenically treated copper electrode: Emphasis on surface integrity and metallurgical characteristics. Journal of Manufacturing Processes, 2017, 26, 188-202.	2.8	40
61	A Novel Satisfaction Function and Distance-Based Approach for Machining Performance Optimization During Electro-Discharge Machining on Super Alloy Inconel 718. Arabian Journal for Science and Engineering, 2017, 42, 1999-2020.	1.7	24
62	Synthesis and characterization of an eco-friendly composite of jute fiber and Fe ₂ O ₃ nanoparticles and its application as an adsorbent for removal of As(V) from water. Journal of Molecular Liquids, 2017, 237, 313-321.	2.3	28
63	Optimization of MRR, Surface Roughness, and Maximum Tool-Tip Temperature during Machining of CFRP Composites. Materials Today: Proceedings, 2017, 4, 2761-2770.	0.9	9
64	Fuzzy based risk assessment module for metropolitan construction project: An empirical study. Engineering Applications of Artificial Intelligence, 2017, 65, 449-464.	4.3	74
65	Integrating Principal Component Analysis, Fuzzy Linguistic Reasoning and Taguchi Philosophy for Quality-Productivity Optimization. Materials Today: Proceedings, 2017, 4, 1772-1777.	0.9	2
66	Effect of External Perimeter on Flexural Strength of FDM Build Parts. Arabian Journal for Science and Engineering, 2017, 42, 4587-4595.	1.7	27
67	Removal of As(III) from Aqueous Solution Using Fe ₃ O ₄ Nanoparticles: Process Modeling and Optimization Using Statistical Design. Water, Air, and Soil Pollution, 2017, 228, 1.	1.1	31
68	Machining performance optimisation during EDM of Inconel 718: a case experimental investigation. International Journal of Productivity and Quality Management, 2017, 21, 460.	0.1	6
69	Environmental friendly electroless copper metallization on FDM build ABS parts. International Journal of Plastics Technology, 2017, 21, 297-312.	2.9	9
70	Cigarette soot activated carbon modified with Fe ₃ O ₄ nanoparticles as an effective adsorbent for As(III) and As(V): Material preparation, characterization and adsorption mechanism study. Journal of Molecular Liquids, 2017, 243, 395-405.	2.3	59
71	Study on Performance of EDM Electrodes Produced Through Rapid Tooling Route. Journal of Advanced Manufacturing Systems, 2017, 16, 357-374.	0.4	9
72	Parametric Appraisal of Compressive Strength of FDM Build Parts. Materials Today: Proceedings, 2017, 4, 9456-9460.	0.9	11

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73	Decision Support Framework for Selection of 3PL Service Providers: Dominance-Based Approach in Combination with Grey Set Theory. International Journal of Information Technology and Decision Making, 2017, 16, 25-57.	2.3	14
74	Machining performance optimization for electro-discharge machining of Inconel 601, 625, 718 and 825: an integrated optimization route combining satisfaction function, fuzzy inference system and Taguchi approach. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 3499-3527.	0.8	49
75	An intelligent approach to optimize the EDM process parameters using utility concept and QPSO algorithm. Engineering Science and Technology, an International Journal, 2017, 20, 552-562.	2.0	62
76	An experimental investigation emphasizing surface characteristics of electro-discharge-machined Inconel 601. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 3051-3066.	0.8	27
77	Application of JAYA algorithm for the optimization of machining performance characteristics during the turning of CFRP (epoxy) composites: comparison with TLBO, GA, and ICA. Engineering With Computers, 2017, 33, 457-475.	3.5	55
78	Dynamic Behaviour of Delaminated Composite Plate Under Blast Loading. , 2017, , .		4
79	Optimization of Electrical Discharge Coating Process Using MOORA Based Firefly Algorithm. , 2017, , .		6
80	Experimental and Parametric Evaluation of Quality Characteristics in Nd:YAG Laser Micro-Drilling of Ti6Al4V and AISI 316. , 2017, , .		6
81	Fabrication and study of properties in metallized ABS plastic. Integrated Ferroelectrics, 2017, 185, 16-21.	0.3	3
82	Fuzzy embedded imperialist competitive algorithm (ICA) for multi-response optimization during machining of CFRP (Epoxy) composites. , 2017, , .		5
83	Parametric analysis of wear behaviour on fused deposition modelling build parts. International Journal of Productivity and Quality Management, 2017, 21, 375.	0.1	3
84	Performance appraisal and benchmarking of leagility inspired enterprises: a fuzzy-based decision making approach. International Journal of Services and Operations Management, 2017, 26, 498.	0.1	0
85	Multi-objective optimisation during drilling of CFRP composites: a PCA-fuzzy Taguchi integrated approach. International Journal of Industrial and Systems Engineering, 2017, 26, 182.	0.1	2
86	Analysis on topography and metallurgical aspects of EDMed work surface of Inconel 718 obtained using triangular cross sectioned copper tool electrode. , 2017, , .		1
87	Performance, cost and environmental assessment of gasification-based electricity in India: A preliminary analysis. IOP Conference Series: Earth and Environmental Science, 2017, 76, 012007.	0.2	3
88	An intelligent approach for multi-response optimisation of WEDM parameters. International Journal of Industrial and Systems Engineering, 2017, 25, 197.	0.1	5
89	Machining Performance Optimization for Electro Discharge Machining of Inconel 625: A Case Experimental Study. International Journal of Materials Mechanics and Manufacturing, 2017, 5, 228-230.	0.2	1
90	Multi-Objective Optimization of Submerged Arc Welding Process. Journal of Engineering Research, 2017, 7, 42.	0.2	4

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91	Performance appraisal and benchmarking of leagility inspired enterprises: a fuzzy-based decision making approach. International Journal of Services and Operations Management, 2017, 26, 498.	0.1	0
92	Parametric analysis of wear behaviour on fused deposition modelling build parts. International Journal of Productivity and Quality Management, 2017, 21, 375.	0.1	0
93	Extension of TODIM for decision making in fuzzy environment: a case empirical research on selection of industrial robot. International Journal of Services and Operations Management, 2017, 26, 238.	0.1	1
94	G-Resilient Supplier Selection in Fuzzy Environment: Application Potential of Satisfaction Function and Distance Based Approach. Journal of Advanced Management Science, 2017, 5, 302-305.	0.1	0
95	A TODIM-Based Decision Support Framework for G-Resilient Supplier Selection in Fuzzy Environment. Asia-Pacific Journal of Operational Research, 2016, 33, 1650033.	0.9	12
96	Environmental life cycle assessment of Indian coal-fired power plants. International Journal of Coal Science and Technology, 2016, 3, 215-225.	2.7	25
97	A system dynamic approach to study the behaviour of serial supply chain under uncertain environment. International Journal of Services and Operations Management, 2016, 24, 208.	0.1	2
98	A particle swarm approach for multi-objective optimization of electrical discharge machining process. Journal of Intelligent Manufacturing, 2016, 27, 1171-1190.	4.4	73
99	Parametric optimisation of electrical discharge machining process: a numerical approach. International Journal of Industrial and Systems Engineering, 2016, 22, 207.	0.1	5
100	Particle swarm optimization algorithm embedded with maximum deviation theory for solving multi-objective flexible job shop scheduling problem. International Journal of Advanced Manufacturing Technology, 2016, 85, 2353-2366.	1.5	60
101	Simulation and optimization of machining parameters in drilling of titanium alloys. Simulation Modelling Practice and Theory, 2016, 62, 31-48.	2.2	58
102	Interpretive structural modelling of critical risk factors in software engineering project. Benchmarking, 2016, 23, 2-24.	2.9	32
103	A quantum behaved particle swarm optimization for flexible job shop scheduling. Computers and Industrial Engineering, 2016, 93, 36-44.	3.4	111
104	Multi-objective optimization in drilling of CFRP (polyester) composites: Application of a fuzzy embedded harmony search (HS) algorithm. Measurement: Journal of the International Measurement Confederation, 2016, 77, 222-239.	2.5	83
105	Optimization of WEDM process parameters using deep cryo-treated Inconel 718 as work material. Engineering Science and Technology, an International Journal, 2016, 19, 161-170.	2.0	50
106	Extension of TODIM combined with grey numbers: an integrated decision making module. Grey Systems Theory and Application, 2015, 5, 367-391.	1.0	10
107	Leanness metric evaluation platform in fuzzy context. Journal of Modelling in Management, 2015, 10, 238-267.	1.1	12
108	GDMP for CNC machine tool selection with a compromise ranking method using generalised fuzzy circumstances. International Journal of Computer Aided Engineering and Technology, 2015, 7, 92.	0.1	9

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109	Fuzzy based appraisalment module for 3PL evaluation and selection. Benchmarking, 2015, 22, 354-392.	2.9	32
110	Green supply chain performance appraisalment and benchmarking using fuzzy grey relation method. International Journal of Business Information Systems, 2015, 20, 157.	0.2	11
111	Multi-criteria decision making towards selection of industrial robot. Benchmarking, 2015, 22, 465-487.	2.9	55
112	Fuzzy evaluation modelling to assess organisational agility. International Journal of Industrial and Systems Engineering, 2015, 21, 50.	0.1	4
113	Evaluation of leanness, agility and leagility for supply chain of automotive industries. International Journal of Agile Systems and Management, 2015, 8, 85.	0.6	15
114	Supply chain flexibility assessment and decision-making: a fuzzy intelligent approach. International Journal of Business Excellence, 2015, 8, 675.	0.2	17
115	A thermal-structural model for process performance analysis. International Journal of Productivity and Quality Management, 2015, 16, 347.	0.1	4
116	Application of fuzzy integrated MULTIMOORA method towards supplier/partner selection in agile supply chain. International Journal of Operational Research, 2015, 22, 466.	0.1	19
117	Interrelations of service quality and service loyalty dimensions in medical tourism. Benchmarking, 2015, 22, 18-55.	2.9	50
118	A simulation approach for estimating flank wear and material removal rate in turning of Inconel 718. Simulation Modelling Practice and Theory, 2015, 52, 1-14.	2.2	59
119	An Improved Particle Swarm Optimization Approach for Solving Machine Loading Problem in Flexible Manufacturing System. Journal of Advanced Manufacturing Systems, 2015, 14, 167-187.	0.4	6
120	Parametric Appraisal of WEDM using Harmony Search Algorithm. Materials Today: Proceedings, 2015, 2, 2562-2568.	0.9	7
121	Optimization of Multi-performance Characteristics During Drilling of GFRP (Epoxy) Composites by Harmony Search Algorithm. Materials Today: Proceedings, 2015, 2, 2332-2336.	0.9	4
122	Application of NSGA II for Optimization of Multi-performance Characteristics During Machining of GFRP (epoxy) Composites. Materials Today: Proceedings, 2015, 2, 2353-2358.	0.9	7
123	A Particle Swarm Approach Embedded with Numerical Analysis for Multi-response Optimization in Electrical Discharge Machining. Lecture Notes in Computer Science, 2015, , 74-87.	1.0	0
124	Optimization of thrust, torque, entry, and exist delamination factor during drilling of CFRP composites. International Journal of Advanced Manufacturing Technology, 2015, 76, 401-416.	1.5	71
125	A Quantum Behaved Particle Swarm Approach for Multi-response Optimization of WEDM Process. Lecture Notes in Computer Science, 2015, , 62-73.	1.0	2
126	NSGA-II Approach of Optimization to Study the Effects of Drilling Parameters in AISI-304 Stainless Steel. Procedia Engineering, 2014, 97, 78-84.	1.2	16

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127	Multi-Response Optimization in Drilling of Composites: Introduction of a Similarity Based Approach in Combination with Taguchi's Philosophy. Journal for Manufacturing Science and Production, 2014, 14, 151-170.	0.1	1
128	Fuzzy-TOPSIS for Appropriate Site Selection for Establishing a Thermal Power Plant. Applied Mechanics and Materials, 2014, 619, 385-389.	0.2	2
129	Optimisation of percent dilution and HAZ width of submerged arc weldment using Taguchi philosophy coupled with fuzzy inference system. International Journal of Productivity and Quality Management, 2014, 13, 430.	0.1	6
130	Lean metric appraisalment: exploration of grey numbers set theory. Grey Systems Theory and Application, 2014, 4, 400-425.	1.0	10
131	Leanness estimation procedural hierarchy using interval-valued fuzzy sets (IVFS). Benchmarking, 2014, 21, 150-183.	2.9	23
132	A Hybrid Approach for Process Optimization in Taper Cutting Operation Using Wire Electrical Discharge Machining. Applied Mechanics and Materials, 2014, 619, 83-88.	0.2	4
133	A Utility Concept Approach for Multi-objective optimization of Taper Cutting Operation using WEDM. Procedia Engineering, 2014, 97, 469-478.	1.2	18
134	Agility evaluation in fuzzy context: influence of decision-makers's risk bearing attitude. Benchmarking, 2014, 21, 1084-1119.	2.9	20
135	Risk assessment in IT outsourcing using fuzzy decision-making approach: An Indian perspective. Expert Systems With Applications, 2014, 41, 4010-4022.	4.4	78
136	Performance evaluation of microbial fuel cell by artificial intelligence methods. Expert Systems With Applications, 2014, 41, 1389-1399.	4.4	83
137	Comparing Predictability of Genetic Programming and ANFIS on Drilling Performance Modeling for GFRP Composites. , 2014, 6, 544-550.		32
138	Multi-objective Optimization in Drilling of GFRP Composites: A Degree of Similarity Approach. , 2014, 6, 538-543.		30
139	Green supplier appraisalment in fuzzy environment. Benchmarking, 2014, 21, 412-429.	2.9	36
140	A finite element approach for analyzing the effect of cushion type and thickness on pressure ulcer. International Journal of Industrial Ergonomics, 2014, 44, 499-509.	1.5	26
141	An integrated approach for designing office chair with ergonomic consideration. International Journal of Services and Operations Management, 2014, 17, 194.	0.1	4
142	Use of IVFNs and MULTIMOORA method for supply chain performance measurement, benchmarking and decision-making: an empirical study. International Journal of Business Excellence, 2014, 7, 237.	0.2	11
143	Agility appraisalment framework for integrated supply chain using generalised interval-valued fuzzy set. International Journal of Business Information Systems, 2014, 16, 89.	0.2	9
144	Alignment of dimensions towards modelling organisational supply chain agility. International Journal of Services and Operations Management, 2014, 17, 88.	0.1	10

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145	Agility appraisal for integrated supply chain using generalized trapezoidal fuzzy numbers set. International Journal of Advanced Manufacturing Technology, 2013, 68, 1491-1503.	1.5	23
146	Selection of internet assessment vendor using TOPSIS method in fuzzy environment. International Journal of Business Performance and Supply Chain Modelling, 2013, 5, 1.	0.2	19
147	Optimization of bead geometry of submerged arc weld using fuzzy based desirability function approach. Journal of Intelligent Manufacturing, 2013, 24, 35-44.	4.4	64
148	A hybrid approach for multi-response optimization of non-conventional machining on AISiCp MMC. Measurement: Journal of the International Measurement Confederation, 2013, 46, 3581-3592.	2.5	51
149	Optimization of Correlated Quality Characteristics in WEDM Process using Taguchi Approach Coupled with Principal Component Analysis. Journal for Manufacturing Science and Production, 2013, 13, 199-208.	0.1	4
150	Interrelationship of capabilities/enablers for lean, agile and leagile manufacturing: an ISM approach. International Journal of Process Management and Benchmarking, 2013, 3, 290.	0.1	28
151	Implementing agility appraisal module in fuzzy context: an Indian perspective. International Journal of Logistics Systems and Management, 2013, 14, 353.	0.2	4
152	Benchmarking of rapid prototyping systems using grey relational analysis. International Journal of Services and Operations Management, 2013, 16, 460.	0.1	28
153	Evaluating medical tourism enablers with interpretive structural modeling. Benchmarking, 2013, 20, 716-743.	2.9	47
154	Appraisal and selection of third party logistics service providers in fuzzy environment. Benchmarking, 2013, 20, 537-548.	2.9	22
155	Principal component analysis and fuzzy embedded Taguchi approach for multi-response optimisation in machining of GFRP polyester composites: a case study. International Journal of Industrial and Systems Engineering, 2013, 14, 175.	0.1	8
156	A Study on Dimensional Accuracy of Fused Deposition Modeling (FDM) Processed Parts using Fuzzy Logic. Journal for Manufacturing Science and Production, 2013, 13, 183-197.	0.1	53
157	Decision-making in selecting reverse logistics alternative using interval-valued fuzzy sets combined with VIKOR approach. International Journal of Services and Operations Management, 2013, 14, 175.	0.1	25
158	Supplier evaluation in agile supply chain in fuzzy paradigm. International Journal of Services and Operations Management, 2013, 16, 1.	0.1	14
159	Green supply chain performance benchmarking using integrated IVFN-TOPSIS methodology. International Journal of Process Management and Benchmarking, 2013, 3, 511.	0.1	25
160	Agility appraisal and identification of agile barriers in a supply chain. International Journal of Services and Operations Management, 2013, 16, 478.	0.1	8
161	Taguchi approach followed by fuzzy linguistic reasoning for quality–productivity optimization in machining operation. Journal of Manufacturing Technology Management, 2013, 24, 929-951.	3.3	20
162	Supply chain performance appraisal, benchmarking and decision-making: empirical study using grey theory and grey-MOORA. International Journal of Process Management and Benchmarking, 2013, 3, 233.	0.1	11

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