

Saurav Datta

List of Publications by Year in descending order

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159
papers

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citations

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159
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159
docs citations

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times ranked

2295
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#	ARTICLE	IF	CITATIONS
1	Comparative experimental study on application feasibility of MTCVD TiCN-Al ₂ O ₃ -TiOCN multi-layer coated carbide and PVD TiN single layer coated composite ceramic inserts during dry machining of Ti-6Al-4V. Sadhana - Academy Proceedings in Engineering Sciences, 2022, 47, .	1.3	3
2	Machinability of Inconel 825 under nano-Al ₂ O ₃ based nanofluid minimum quantity lubrication. Sadhana - Academy Proceedings in Engineering Sciences, 2022, 47, .	1.3	1
3	Machinability of Inconel 825 superalloy under dry cutting environment with application of uncoated WC-Co tool. Materials Today: Proceedings, 2021, 38, 2145-2150.	1.8	3
4	Wear morphology of microwave post-treated WC-Co tool during machining of Inconel 718 superalloy. Materials Today: Proceedings, 2021, 38, 2133-2139.	1.8	2
5	Influence of cutting speed on dry machinability of AISI 304 stainless steel. Materials Today: Proceedings, 2021, 38, 2174-2180.	1.8	3
6	Study of machinability assessment of nickel based alloy using electro-discharge machining with transformer oil as dielectric. Materials Today: Proceedings, 2021, 38, 2205-2212.	1.8	4
7	Machining Performance of Inconel 718 Under Dry, MQL, and Nanofluid MQL Conditions: Application of Coconut Oil (Base Fluid) and Multi-walled Carbon Nanotubes as Additives. Arabian Journal for Science and Engineering, 2021, 46, 2371-2395.	3.0	22
8	Influence of cutting insert (uncoated and coated carbide) on cutting force, tool-tip temperature, and chip morphology during dry machining of Inconel 825. Materials Today: Proceedings, 2021, 38, 2664-2670.	1.8	15
9	Studies on chip morphology and modes of tool wear during machining of Ti-6Al-4V using uncoated carbide tool: application of multi-walled carbon nanotubes added rice bran oil as nanocutting fluid. Machining Science and Technology, 2021, 25, 237-287.	2.5	11
10	Influence of cutting tool material on machinability of Inconel 718 superalloy. Machining Science and Technology, 2021, 25, 349-397.	2.5	17
11	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. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2021, 91, 123-134.	1.2	4
12	Machining behaviour of Inconel 825 under distilled water based minimum quantity lubrication. Materials Today: Proceedings, 2021, 44, 2386-2388.	1.8	1
13	Parametric Appraisal for EDM of Inconel 825 Superalloy Using Cu and Cu-Ni Electrodes. Lecture Notes in Mechanical Engineering, 2021, , 149-159.	0.4	0
14	Parametric studies on SiC-abrasive jet assisted machining of alumina ceramics. Materials Today: Proceedings, 2021, 44, 1643-1652.	1.8	4
15	Role of Surface Cracking and Recast Layer Deposition on Formation of Hardened Layer During EDM of Inconel 825 with Varied Electrode Material. Lecture Notes in Intelligent Transportation and Infrastructure, 2021, , 83-94.	0.5	0
16	Hot machining of difficult-to-cut materials: A review. Materials Today: Proceedings, 2021, 44, 2710-2715.	1.8	8
17	Machining performance of Ti6Al4V under dry environment, pressurized air supply and water-MQL: analysis of machining-induced vibration signals and captured thermographs. Sadhana - Academy Proceedings in Engineering Sciences, 2021, 46, 1.	1.3	8
18	Experimental studies on dry machining behavior of Ti-6Al-4V using carbide, cermet, and SiAlON tools. Sadhana - Academy Proceedings in Engineering Sciences, 2021, 46, 1.	1.3	2

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19	Machining of Inconel 718 Using Coated WC Tool: Effects of Cutting Speed on Chip Morphology and Mechanisms of Tool Wear. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 797-816.	3.0	22
20	Machining behavior of Inconel 718 superalloy: Effects of cutting speed and depth of cut. <i>Materials Today: Proceedings</i> , 2020, 26, 200-208.	1.8	9
21	Experimental studies on AA6063-Cu dissimilar friction stir welding using Inconel 601 tool. <i>Materials Today: Proceedings</i> , 2020, 26, 180-188.	1.8	5
22	Dry Machining Performance of AA7075-T6 Alloy Using Uncoated Carbide and MT-CVD TiCN-Al ₂ O ₃ -Coated Carbide Inserts. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 9777-9791.	3.0	10
23	Dry, MQL, and Nanofluid MQL Machining of Ti-6Al-4V Using Uncoated WC-Co Insert: Application of Jatropha Oil as Base Cutting Fluid and Graphene Nanoplatelets as Additives. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 9599-9618.	3.0	18
24	Machinability of Ti-5Al-2.5Sn for electro-discharge machining: an experimental investigation. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2020, 45, 1.	1.3	3
25	Effects of Cutting Speed on MQL Machining Performance of AISI 304 Stainless Steel Using Uncoated Carbide Insert: Application Potential of Coconut Oil and Rice Bran Oil as Cutting Fluids. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 8877-8893.	3.0	33
26	Machinability of Ti-6Al-4V Superalloy: Performance of Dry Cutting and Nanofluid MQL (MWCNT-Added Rice Bran Oil). <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 5673-5695.	3.0	27
27	Powder-mixed electro-discharge machining performance of Inconel 718: effect of concentration of multi-walled carbon nanotube added to the dielectric media. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2020, 45, 1.	1.3	23
28	Dry machining of Inconel 718 super alloys using uncoated tool: Experimental and numerical analysis. <i>Materiaux Et Techniques</i> , 2020, 108, 402.	0.9	0
29	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.	2.5	14
30	Experimental studies on graphite powder-mixed electro-discharge machining of Inconel 718 super alloys: Comparison with conventional electro-discharge machining. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2019, 233, 384-402.	2.5	31
31	Machinability Appraisalment of Inconel 825 during Electro-Discharge Machining. , 2019, , .		1
32	EDM performance of Inconel 718 superalloy: application of multi-walled carbon nanotube (MWCNT) added dielectric media. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	1.6	44
33	Surface Topographical Characteristics of Electro- Discharge Machined Ti-5Al-2.5Sn. , 2019, , .		1
34	Electro-Discharge Machining Performance of Nimonic 80A: An Experimental Observation. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 10155-10167.	3.0	11
35	Electrical Discharge Machining Performance of Deep Cryogenically Treated Inconel 825 Superalloy: Emphasis on Surface Integrity. <i>Metallography, Microstructure, and Analysis</i> , 2019, 8, 212-225.	1.0	5
36	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.	5.0	35

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37	Experimental studies on electro-discharge machining of Inconel 825 super alloy using cryogenically treated tool/workpiece. Measurement: Journal of the International Measurement Confederation, 2019, 145, 611-630.	5.0	21
38	Effects of Cutting Speed on Chip Characteristics and Tool Wear Mechanisms During Dry Machining of Inconel 718 Using Uncoated WC Tool. Arabian Journal for Science and Engineering, 2019, 44, 7423-7440.	3.0	35
39	Study of surface integrity and machining performance during main/rough cut and trim/finish cut mode of WEDM on Ti-6Al-4V: effects of wire material. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	25
40	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. International Journal of Industrial and Systems Engineering, 2019, 32, 497.	0.2	2
41	WEDM Performance of Ti-6Al-4V: Emphasis on Multi-Cut Strategy, Effects of Electrode Wire. Materials Today: Proceedings, 2019, 18, 4102-4110.	1.8	4
42	Selection of appropriate powder-mixed dielectric media (kerosene and used transformer oil) for desired EDM performance on Inconel 718 super alloys. Materials Today: Proceedings, 2019, 18, 4111-4119.	1.8	4
43	Effects of Depth of Cut during Machining of Inconel 718 using Uncoated WC Tool. Materials Today: Proceedings, 2019, 18, 3667-3675.	1.8	4
44	Assessment Of Surface Integrity During Electrical Discharge Machining Of Titanium Grade 5 Alloys (Ti-6Al-4V). Materials Today: Proceedings, 2019, 18, 2477-2485.	1.8	6
45	Electro-discharge Machining Performance of Ti-6Al-4V Alloy: Studies on Parametric Effect and Phenomenon of Electrode Wear. Arabian Journal for Science and Engineering, 2019, 44, 1553-1568.	3.0	23
46	Optimization of Electro-Discharge Machining Responses of Super Alloy Inconel 718: Use of Satisfaction Function Approach Combined with Taguchi Philosophy. Materials Today: Proceedings, 2018, 5, 4376-4383.	1.8	11
47	Electro-Discharge Machining of Inconel 718 Using Square Cross Sectioned Copper Tool Electrode: Studies on Topography and Metallurgical Features of the EDMed Work Surface. Materials Today: Proceedings, 2018, 5, 4847-4854.	1.8	6
48	Surface Integrity and Metallurgical Characteristics of the EDMed Work Surfaces of A2 Tool Steel (SAE 304SS), Inconel 601 and Ti-6Al-4V: a Comparative Analysis. Silicon, 2018, 10, 1557-1572.	3.3	10
49	Sustainable supplier selection in intuitionistic fuzzy environment: a decision-making perspective. Benchmarking, 2018, 25, 545-574.	4.6	59
50	Effects of Tool Electrode on EDM Performance of Ti-6Al-4V. Silicon, 2018, 10, 2263-2277.	3.3	69
51	Electro-Discharge Machining of Inconel 825 Super alloy: Effects of Tool Material and Dielectric Flushing. Silicon, 2018, 10, 2079-2099.	3.3	26
52	Multi-Response Optimization during Electro-Discharge Machining of Super Alloy Inconel 718: Application of PCA-TOPSIS. Materials Today: Proceedings, 2018, 5, 4269-4276.	1.8	9
53	On Electro-Discharge Machining of Inconel 718 Super Alloys: An Experimental Investigation. Materials Today: Proceedings, 2018, 5, 4861-4869.	1.8	20
54	Application of SiC Power Added in Kerosene Dielectric Media for Electro-Discharge Machining of Inconel 718 Super Alloys: Effect of Powder Concentration. Materials Today: Proceedings, 2018, 5, 20297-20305.	1.8	11

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55	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.	1.8	9
56	Experimental studies on friction-stir welding of AA6061 using Inconel 601 tool. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018, 40, 1.	1.6	10
57	On evaluation of supply chain's ecosilient (g-resilient) performance index. <i>Benchmarking</i> , 2018, 25, 2370-2389.	4.6	14
58	An experimental investigation on electro discharge machining of Inconel 601. <i>International Journal of Industrial and Systems Engineering</i> , 2018, 29, 223.	0.2	7
59	Effect of using SiC powder-added dielectric media during electro-discharge machining of Inconel 718 superalloys. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018, 40, 1.	1.6	43
60	Analysis on surface characteristics of electro-discharge machined Inconel 718. <i>International Journal of Materials and Product Technology</i> , 2018, 56, 135.	0.2	1
61	Parametric appraisal and optimization in machining of CFRP composites by using TLBO (teaching-learning based optimization algorithm). <i>Journal of Intelligent Manufacturing</i> , 2017, 28, 1769-1785.	7.3	42
62	A risk-based decision support framework for selection of appropriate safety measure system for underground coal mines. <i>International Journal of Injury Control and Safety Promotion</i> , 2017, 24, 54-68.	2.0	15
63	Analysis of occupational health hazards and associated risks in fuzzy environment: a case research in an Indian underground coal mine. <i>International Journal of Injury Control and Safety Promotion</i> , 2017, 24, 311-327.	2.0	25
64	Evaluation of performance index in resilient supply chain: a fuzzy-based approach. <i>Benchmarking</i> , 2017, 24, 118-142.	4.6	40
65	Dominance based fuzzy decision support framework for g-resilient (ecosilient) supplier selection: an empirical modelling. <i>International Journal of Sustainable Engineering</i> , 2017, 10, 338-357.	3.5	12
66	Electrical discharge machining of Inconel 825 using cryogenically treated copper electrode: Emphasis on surface integrity and metallurgical characteristics. <i>Journal of Manufacturing Processes</i> , 2017, 26, 188-202.	5.9	40
67	A Novel Satisfaction Function and Distance-Based Approach for Machining Performance Optimization During Electro-Discharge Machining on Super Alloy Inconel 718. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 1999-2020.	3.0	24
68	Optimization of MRR, Surface Roughness, and Maximum Tool-Tip Temperature during Machining of CFRP Composites. <i>Materials Today: Proceedings</i> , 2017, 4, 2761-2770.	1.8	9
69	Fuzzy based risk assessment module for metropolitan construction project: An empirical study. <i>Engineering Applications of Artificial Intelligence</i> , 2017, 65, 449-464.	8.1	74
70	Integrating Principal Component Analysis, Fuzzy Linguistic Reasoning and Taguchi Philosophy for Quality-Productivity Optimization. <i>Materials Today: Proceedings</i> , 2017, 4, 1772-1777.	1.8	2
71	Extension of TODIM for decision making in fuzzy environment: a case empirical research on selection of industrial robot. <i>International Journal of Services and Operations Management</i> , 2017, 26, 238.	0.2	7
72	Machining performance optimisation during EDM of Inconel 718: a case experimental investigation. <i>International Journal of Productivity and Quality Management</i> , 2017, 21, 460.	0.2	6

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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.	3.9	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.	1.6	49
75	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.	1.6	27
76	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.	6.1	55
77	Fuzzy embedded imperialist competitive algorithm (ICA) for multi-response optimization during machining of CFRP (Epoxy) composites. , 2017, , .		5
78	Performance appraisalment and benchmarking of leagility inspired enterprises: a fuzzy-based decision making approach. International Journal of Services and Operations Management, 2017, 26, 498.	0.2	0
79	Multi-objective optimisation during drilling of CFRP composites: a PCA-fuzzy Taguchi integrated approach. International Journal of Industrial and Systems Engineering, 2017, 26, 182.	0.2	2
80	Analysis on topography and metallurgical aspects of EDMed work surface of Inconel 718 obtained using triangular cross sectioned copper tool electrode. , 2017, , .		1
81	Green supplier selection in fuzzy context: a decision-making scenario on application of fuzzy-MULTIMOORA. International Journal of Services and Operations Management, 2017, 28, 98.	0.2	5
82	Supplier/partner selection in agile supply chain. Benchmarking, 2016, 23, 866-892.	4.6	11
83	Extension of PROMETHEE for robot selection decision making. Benchmarking, 2016, 23, 983-1014.	4.6	20
84	A TODIM-Based Decision Support Framework for G-Resilient Supplier Selection in Fuzzy Environment. Asia-Pacific Journal of Operational Research, 2016, 33, 1650033.	1.3	12
85	Evaluation and selection of suppliers considering green perspectives. Benchmarking, 2016, 23, 1579-1604.	4.6	27
86	A fuzzy embedded leagility assessment module in supply chain. Benchmarking, 2016, 23, 1937-1982.	4.6	16
87	Supplier selection in agile supply chain. Benchmarking, 2016, 23, 2027-2060.	4.6	35
88	Application of TODIM (Tomada de Decisi3n Inerativa Multicritero) for industrial robot selection. Benchmarking, 2016, 23, 1818-1833.	4.6	15
89	Evaluation and selection of resilient suppliers in fuzzy environment. Benchmarking, 2016, 23, 651-673.	4.6	64
90	Interpretive structural modelling of critical risk factors in software engineering project. Benchmarking, 2016, 23, 2-24.	4.6	32

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91	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.	5.0	83
92	Acoustic Horn Design and Effects of Process Parameters on Properties of Dissimilar Ultrasonic Welding Aluminum to Brass. Materials and Manufacturing Processes, 2016, 31, 283-290.	4.7	23
93	Extension of TODIM combined with grey numbers: an integrated decision making module. Grey Systems Theory and Application, 2015, 5, 367-391.	2.1	10
94	Leanness metric evaluation platform in fuzzy context. Journal of Modelling in Management, 2015, 10, 238-267.	1.9	12
95	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.	0.2	9
96	Fuzzy based appraisalment module for 3PL evaluation and selection. Benchmarking, 2015, 22, 354-392.	4.6	32
97	Green supply chain performance appraisalment and benchmarking using fuzzy grey relation method. International Journal of Business Information Systems, 2015, 20, 157.	0.2	11
98	Multi-criteria decision making towards selection of industrial robot. Benchmarking, 2015, 22, 465-487.	4.6	55
99	Fuzzy evaluation modelling to assess organisational agility. International Journal of Industrial and Systems Engineering, 2015, 21, 50.	0.2	4
100	Evaluation of leanness, agility and leagility for supply chain of automotive industries. International Journal of Agile Systems and Management, 2015, 8, 85.	0.3	15
101	Supply chain flexibility assessment and decision-making: a fuzzy intelligent approach. International Journal of Business Excellence, 2015, 8, 675.	0.3	17
102	Application of fuzzy integrated MULTIMOORA method towards supplier/partner selection in agile supply chain. International Journal of Operational Research, 2015, 22, 466.	0.2	19
103	Multi-response Optimization in Machining of GFRP (Epoxy) Composites: An Integrated Approach. Journal for Manufacturing Science and Production, 2015, 15, 267-292.	0.1	9
104	Optimization of Multi-performance Characteristics During Drilling of GFRP (Epoxy) Composites by Harmony Search Algorithm. Materials Today: Proceedings, 2015, 2, 2332-2336.	1.8	4
105	Application of NSGA II for Optimization of Multi-performance Characteristics During Machining of GFRP (epoxy) Composites. Materials Today: Proceedings, 2015, 2, 2353-2358.	1.8	7
106	Optimization of thrust, torque, entry, and exist delamination factor during drilling of CFRP composites. International Journal of Advanced Manufacturing Technology, 2015, 76, 401-416.	3.0	71
107	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
108	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

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109	Fuzzy-TOPSIS for Appropriate Site Selection for Establishing a Thermal Power Plant. Applied Mechanics and Materials, 2014, 619, 385-389.	0.2	2
110	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.	0.2	6
111	Leanness estimation procedural hierarchy using interval-valued fuzzy sets (IVFS). Benchmarking, 2014, 21, 150-183.	4.6	23
112	Agility evaluation in fuzzy context: influence of decision-makers' risk bearing attitude. Benchmarking, 2014, 21, 1084-1119.	4.6	20
113	Risk assessment in IT outsourcing using fuzzy decision-making approach: An Indian perspective. Expert Systems With Applications, 2014, 41, 4010-4022.	7.6	78
114	Comparing Predictability of Genetic Programming and ANFIS on Drilling Performance Modeling for GFRP Composites. , 2014, 6, 544-550.		32
115	Green supplier appraisalment in fuzzy environment. Benchmarking, 2014, 21, 412-429.	4.6	36
116	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.	0.3	11
117	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
118	Alignment of dimensions towards modelling organisational supply chain agility. International Journal of Services and Operations Management, 2014, 17, 88.	0.2	10
119	Agility appraisal for integrated supply chain using generalized trapezoidal fuzzy numbers set. International Journal of Advanced Manufacturing Technology, 2013, 68, 1491-1503.	3.0	23
120	Selection of internet assessment vendor using TOPSIS method in fuzzy environment. International Journal of Business Performance and Supply Chain Modelling, 2013, 5, 1.	0.3	19
121	Optimization of bead geometry of submerged arc weld using fuzzy based desirability function approach. Journal of Intelligent Manufacturing, 2013, 24, 35-44.	7.3	64
122	Interrelationship of capabilities/enablers for lean, agile and leagile manufacturing: an ISM approach. International Journal of Process Management and Benchmarking, 2013, 3, 290.	0.2	28
123	Implementing agility appraisalment module in fuzzy context: an Indian perspective. International Journal of Logistics Systems and Management, 2013, 14, 353.	0.2	4
124	Appraisalment and selection of third party logistics service providers in fuzzy environment. Benchmarking, 2013, 20, 537-548.	4.6	22
125	Principal component analysis and fuzzy embedded Taguchi approach for multi-response optimisation in machining of CFRP polyester composites: a case study. International Journal of Industrial and Systems Engineering, 2013, 14, 175.	0.2	8
126	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.	0.2	25

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127	Supplier evaluation in agile supply chain in fuzzy paradigm. International Journal of Services and Operations Management, 2013, 16, 1.	0.2	14
128	Green supply chain performance benchmarking using integrated IVFN-TOPSIS methodology. International Journal of Process Management and Benchmarking, 2013, 3, 511.	0.2	25
129	Agility appraisalment and identification of agile barriers in a supply chain. International Journal of Services and Operations Management, 2013, 16, 478.	0.2	8
130	Taguchi approach followed by fuzzy linguistic reasoning for quality–productivity optimization in machining operation. Journal of Manufacturing Technology Management, 2013, 24, 929-951.	6.4	20
131	Supply chain performance appraisalment, benchmarking and decision-making: empirical study using grey theory and grey-MOORA. International Journal of Process Management and Benchmarking, 2013, 3, 233.	0.2	11
132	Decision making for selecting 3PL service provider using three parameter interval grey numbers. International Journal of Logistics Systems and Management, 2013, 14, 261.	0.2	20
133	Multi-attribute group decision-making (MAGDM) for supplier selection using fuzzy linguistic modelling integrated with VIKOR method. International Journal of Services and Operations Management, 2012, 12, 67.	0.2	18
134	Green supplier evaluation and selection using VIKOR method embedded in fuzzy expert system with interval-valued fuzzy numbers. International Journal of Procurement Management, 2012, 5, 647.	0.2	41
135	Interrelationship of drivers for agile manufacturing: an Indian experience. International Journal of Services and Operations Management, 2012, 11, 35.	0.2	28
136	OPTIMIZATION OF PROCESS PARAMETERS IN FUSED DEPOSITION MODELING USING WEIGHTED PRINCIPAL COMPONENT ANALYSIS. Journal of Advanced Manufacturing Systems, 2011, 10, 241-259.	1.0	72
137	Flexible Manufacturing System selection based on grey relation under uncertainty. International Journal of Services and Operations Management, 2011, 8, 516.	0.2	9
138	Selection of industrial robot using interval-valued trapezoidal fuzzy numbers set combined with VIKOR method. International Journal of Technology Intelligence and Planning, 2011, 7, 344.	0.3	7
139	Principal Component Analysis in Grey Based Taguchi Method for Optimization of Multiple Surface Quality Characteristics of 6061-T4 Aluminum in CNC End Milling. , 2011, , .		0
140	The fuzzy inference system approach to a multi-performance characteristic index for surface quality improvement in CNC end milling. International Journal of Experimental Design and Process Optimisation, 2011, 2, 265.	0.2	1
141	Utility Theory for Evaluation of Optimal Process Condition of SAW: A Multi-Response Optimization Approach. , 2011, , .		0
142	Combined quality loss (CQL) concept in WPCA-based Taguchi philosophy for optimization of multiple surface quality characteristics of UNS C34000 brass in cylindrical grinding. International Journal of Advanced Manufacturing Technology, 2010, 51, 135-143.	3.0	44
143	Optimization in CNC end milling of UNS C34000 medimum leaded brass with multiple surface roughnesses characteristics. Sadhana - Academy Proceedings in Engineering Sciences, 2010, 35, 619-629.	1.3	15
144	USE OF DESIRABILITY FUNCTION AND PRINCIPAL COMPONENT ANALYSIS IN GREY-TAGUCHI APPROACH TO SOLVE CORRELATED MULTI-RESPONSE OPTIMIZATION IN SUBMERGED ARC WELDING. Journal of Advanced Manufacturing Systems, 2010, 09, 117-128.	1.0	6

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145	A novel swarm optimization technique for partner selection in virtual enterprise. , 2010, , .		3
146	Multicriteria decision-making models for the evaluation and appraisal of teachers' performance. International Journal of Productivity and Quality Management, 2010, 6, 213.	0.2	14
147	Application of PCA-based hybrid Taguchi method for correlated multicriteria optimization of submerged arc weld: a case study. International Journal of Advanced Manufacturing Technology, 2009, 45, 276-286.	3.0	91
148	Application of entropy measurement technique in grey based Taguchi method for solution of correlated multiple response optimization problems: A case study in welding. Journal of Manufacturing Systems, 2009, 28, 55-63.	13.9	47
149	Solving multi-criteria optimization problem in submerged arc welding consuming a mixture of fresh flux and fused slag. International Journal of Advanced Manufacturing Technology, 2008, 35, 935-942.	3.0	32
150	Application of Taguchi philosophy for parametric optimization of bead geometry and HAZ width in submerged arc welding using a mixture of fresh flux and fused flux. International Journal of Advanced Manufacturing Technology, 2008, 36, 689-698.	3.0	53
151	Modeling and optimization of features of bead geometry including percentage dilution in submerged arc welding using mixture of fresh flux and fused slag. International Journal of Advanced Manufacturing Technology, 2008, 36, 1080-1090.	3.0	37
152	Slag recycling in submerged arc welding and its influence on weld quality leading to parametric optimization. International Journal of Advanced Manufacturing Technology, 2008, 39, 229-238.	3.0	25
153	Grey-based taguchi method for optimization of bead geometry in submerged arc bead-on-plate welding. International Journal of Advanced Manufacturing Technology, 2008, 39, 1136-1143.	3.0	202
154	Desirability Function Approach for Solving Multi-Objective Optimization Problem in Submerged Arc Welding. Journal for Manufacturing Science and Production, 2006, 7, 127-138.	0.1	9
155	Bead Geometry Optimization of Submerged Arc Weld: Exploration of Weighted Principal Component Analysis (WPCA). Applied Mechanics and Materials, 0, 110-116, 790-798.	0.2	8
156	Study of Wear Assessment and Optimization of Multiple Properties of Red Mud Filled Polyester Composites. Applied Mechanics and Materials, 0, 110-116, 1213-1220.	0.2	0
157	A Case Study on Quality and Productivity Optimization in Electric Discharge Machining (EDM). Advanced Materials Research, 0, 445, 27-32.	0.3	2
158	Parametric Optimization in Turning of CFRP (Epoxy) Composites: A Case Experimental Research with Exploration of HS Algorithm. Applied Mechanics and Materials, 0, 619, 54-57.	0.2	11
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