

# Saurav Datta

## List of Publications by Year in descending order

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159  
papers

3,207  
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159  
all docs

159  
docs citations

159  
times ranked

2295  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | 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       |
| 2  | 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        |
| 3  | 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        |
| 4  | Risk assessment in IT outsourcing using fuzzy decision-making approach: An Indian perspective. Expert Systems With Applications, 2014, 41, 4010-4022.   | 7.6  | 78        |
| 5  | Fuzzy based risk assessment module for metropolitan construction project: An empirical study. Engineering Applications of Artificial Intelligence, 2017, 65, 449-464.   | 8.1  | 74        |
| 6  | 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        |
| 7  | 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        |
| 8  | Effects of Tool Electrode on EDM Performance of Ti-6Al-4V. Silicon, 2018, 10, 2263-2277.  | 3.3  | 69        |
| 9  | 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        |
| 10 | Evaluation and selection of resilient suppliers in fuzzy environment. Benchmarking, 2016, 23, 651-673.  | 4.6  | 64        |
| 11 | Sustainable supplier selection in intuitionistic fuzzy environment: a decision-making perspective. Benchmarking, 2018, 25, 545-574.   | 4.6  | 59        |
| 12 | Multi-criteria decision making towards selection of industrial robot. Benchmarking, 2015, 22, 465-487.  | 4.6  | 55        |
| 13 | 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        |
| 14 | 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        |
| 15 | 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        |
| 16 | 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        |
| 17 | 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        |
| 18 | EDM performance of Inconel 718 superalloy: application of multi-walled carbon nanotube (MWCNT) added dielectric media. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.  | 1.6  | 44        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | 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        |
| 20 | 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        |
| 21 | Green supplier evaluation and selection using VIKOR method embedded in fuzzy expert system with interval-valued fuzzy numbers. <i>International Journal of Procurement Management</i> , 2012, 5, 647.   | 0.2 | 41        |
| 22 | Evaluation of performance index in resilient supply chain: a fuzzy-based approach. <i>Benchmarking</i> , 2017, 24, 118-142.   | 4.6 | 40        |
| 23 | 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        |
| 24 | Modeling and optimization of features of bead geometry including percentage dilution in submerged arc welding using mixture of fresh flux and fused slag. <i>International Journal of Advanced Manufacturing Technology</i> , 2008, 36, 1080-1090.  | 3.0 | 37        |
| 25 | Green supplier appraisalment in fuzzy environment. <i>Benchmarking</i> , 2014, 21, 412-429.   | 4.6 | 36        |
| 26 | Supplier selection in agile supply chain. <i>Benchmarking</i> , 2016, 23, 2027-2060.  | 4.6 | 35        |
| 27 | 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        |
| 28 | Effects of Cutting Speed on Chip Characteristics and Tool Wear Mechanisms During Dry Machining of Inconel 718 Using Uncoated WC Tool. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 7423-7440.   | 3.0 | 35        |
| 29 | 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        |
| 30 | Solving multi-criteria optimization problem in submerged arc welding consuming a mixture of fresh flux and fused slag. <i>International Journal of Advanced Manufacturing Technology</i> , 2008, 35, 935-942.   | 3.0 | 32        |
| 31 | Comparing Predictability of Genetic Programming and ANFIS on Drilling Performance Modeling for CFRP Composites. , 2014, 6, 544-550.   |     | 32        |
| 32 | Fuzzy based appraisalment module for 3PL evaluation and selection. <i>Benchmarking</i> , 2015, 22, 354-392.   | 4.6 | 32        |
| 33 | Interpretive structural modelling of critical risk factors in software engineering project. <i>Benchmarking</i> , 2016, 23, 2-24.   | 4.6 | 32        |
| 34 | 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        |
| 35 | Interrelationship of drivers for agile manufacturing: an Indian experience. <i>International Journal of Services and Operations Management</i> , 2012, 11, 35.  | 0.2 | 28        |
| 36 | Interrelationship of capabilities/enablers for lean, agile and leagile manufacturing: an ISM approach. <i>International Journal of Process Management and Benchmarking</i> , 2013, 3, 290.  | 0.2 | 28        |

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|----|--|-----|-----------|
| 37 | Evaluation and selection of suppliers considering green perspectives. Benchmarking, 2016, 23, 1579-1604.   | 4.6 | 27        |
| 38 | 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        |
| 39 | Machinability of Ti-6Al-4V Superalloy: Performance of Dry Cutting and Nanofluid MQL (MWCNT-Added Rice Bran Oil). Arabian Journal for Science and Engineering, 2020, 45, 5673-5695.   | 3.0 | 27        |
| 40 | Electro-Discharge Machining of Inconel 825 Super alloy: Effects of Tool Material and Dielectric Flushing. Silicon, 2018, 10, 2079-2099.  | 3.3 | 26        |
| 41 | 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        |
| 42 | 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        |
| 43 | Green supply chain performance benchmarking using integrated IVFN-TOPSIS methodology. International Journal of Process Management and Benchmarking, 2013, 3, 511.  | 0.2 | 25        |
| 44 | 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.                      | 2.0 | 25        |
| 45 | 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        |
| 46 | 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.            | 3.0 | 24        |
| 47 | 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        |
| 48 | Leanness estimation procedural hierarchy using interval-valued fuzzy sets (IVFS). Benchmarking, 2014, 21, 150-183.   | 4.6 | 23        |
| 49 | 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        |
| 50 | 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        |
| 51 | Powder-mixed electro-discharge machining performance of Inconel 718: effect of concentration of multi-walled carbon nanotube added to the dielectric media. Sadhana - Academy Proceedings in Engineering Sciences, 2020, 45, 1.              | 1.3 | 23        |
| 52 | Appraisalment and selection of third party logistics service providers in fuzzy environment. Benchmarking, 2013, 20, 537-548.  | 4.6 | 22        |
| 53 | Machining of Inconel 718 Using Coated WC Tool: Effects of Cutting Speed on Chip Morphology and Mechanisms of Tool Wear. Arabian Journal for Science and Engineering, 2020, 45, 797-816.  | 3.0 | 22        |
| 54 | 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        |

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|----|---|-----|-----------|
| 55 | 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        |
| 56 | Taguchi approach followed by fuzzy linguistic reasoning for quality&#x2013;productivity optimization in machining operation. Journal of Manufacturing Technology Management, 2013, 24, 929-951.   | 6.4 | 20        |
| 57 | 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        |
| 58 | Agility evaluation in fuzzy context: influence of decision-makers&#x2013; risk bearing attitude. Benchmarking, 2014, 21, 1084-1119.   | 4.6 | 20        |
| 59 | Extension of PROMETHEE for robot selection decision making. Benchmarking, 2016, 23, 983-1014.   | 4.6 | 20        |
| 60 | On Electro-Discharge Machining of Inconel 718 Super Alloys: An Experimental Investigation. Materials Today: Proceedings, 2018, 5, 4861-4869.  | 1.8 | 20        |
| 61 | 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        |
| 62 | 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        |
| 63 | 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        |
| 64 | Dry, MQL, and Nanofluid MQL Machining of Ti&#x2013;6Al&#x2013;4V Using Uncoated WC&#x2013;Co Insert: Application of Jatropha Oil as Base Cutting Fluid and Graphene Nanoplatelets as Additives. Arabian Journal for Science and Engineering, 2020, 45, 9599-9618. | 3.0 | 18        |
| 65 | Supply chain flexibility assessment and decision-making: a fuzzy intelligent approach. International Journal of Business Excellence, 2015, 8, 675.  | 0.3 | 17        |
| 66 | Influence of cutting tool material on machinability of Inconel 718 superalloy. Machining Science and Technology, 2021, 25, 349-397.   | 2.5 | 17        |
| 67 | 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        |
| 68 | A fuzzy embedded leagility assessment module in supply chain. Benchmarking, 2016, 23, 1937-1982.  | 4.6 | 16        |
| 69 | Optimization in CNC end milling of UNS C34000 medium leaded brass with multiple surface roughnesses characteristics. Sadhana - Academy Proceedings in Engineering Sciences, 2010, 35, 619-629.  | 1.3 | 15        |
| 70 | 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        |
| 71 | Application of TODIM (Tomada de Decisiã³n Iterativa Multicriterio) for industrial robot selection. Benchmarking, 2016, 23, 1818-1833.   | 4.6 | 15        |
| 72 | 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.   | 2.0 | 15        |

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|----|--|-----|-----------|
| 73 | Influence of cutting insert (uncoated and coated carbide) on cutting force, tool-tip temperature, and chip morphology during dry machining of Inconel 825. <i>Materials Today: Proceedings</i> , 2021, 38, 2664-2670.  | 1.8 | 15        |
| 74 | Multicriteria decision-making models for the evaluation and appraisal of teachers' performance. <i>International Journal of Productivity and Quality Management</i> , 2010, 6, 213.  | 0.2 | 14        |
| 75 | Supplier evaluation in agile supply chain in fuzzy paradigm. <i>International Journal of Services and Operations Management</i> , 2013, 16, 1.   | 0.2 | 14        |
| 76 | Decision Support Framework for Selection of 3PL Service Providers: Dominance-Based Approach in Combination with Grey Set Theory. <i>International Journal of Information Technology and Decision Making</i> , 2017, 16, 25-57.                                   | 3.9 | 14        |
| 77 | On evaluation of supply chain's ecosilient (g-resilient) performance index. <i>Benchmarking</i> , 2018, 25, 2370-2389.   | 4.6 | 14        |
| 78 | 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        |
| 79 | Leanness metric evaluation platform in fuzzy context. <i>Journal of Modelling in Management</i> , 2015, 10, 238-267.   | 1.9 | 12        |
| 80 | A TODIM-Based Decision Support Framework for G-Resilient Supplier Selection in Fuzzy Environment. <i>Asia-Pacific Journal of Operational Research</i> , 2016, 33, 1650033.   | 1.3 | 12        |
| 81 | 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        |
| 82 | Supply chain performance appraisal, benchmarking and decision-making: empirical study using grey theory and grey-MOORA. <i>International Journal of Process Management and Benchmarking</i> , 2013, 3, 233.  | 0.2 | 11        |
| 83 | Parametric Optimization in Turning of CFRP (Epoxy) Composites: A Case Experimental Research with Exploration of HS Algorithm. <i>Applied Mechanics and Materials</i> , 0, 619, 54-57.  | 0.2 | 11        |
| 84 | Use of IVFNs and MULTIMOORA method for supply chain performance measurement, benchmarking and decision-making: an empirical study. <i>International Journal of Business Excellence</i> , 2014, 7, 237.   | 0.3 | 11        |
| 85 | Green supply chain performance appraisal and benchmarking using fuzzy grey relation method. <i>International Journal of Business Information Systems</i> , 2015, 20, 157.  | 0.2 | 11        |
| 86 | Supplier/partner selection in agile supply chain. <i>Benchmarking</i> , 2016, 23, 866-892.   | 4.6 | 11        |
| 87 | 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.  | 1.8 | 11        |
| 88 | Application of SiC Power Added in Kerosene Dielectric Media for Electro-Discharge Machining of Inconel 718 Super Alloys: Effect of Powder Concentration. <i>Materials Today: Proceedings</i> , 2018, 5, 20297-20305.   | 1.8 | 11        |
| 89 | 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        |
| 90 | 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. <i>Machining Science and Technology</i> , 2021, 25, 237-287. | 2.5 | 11        |

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|-----|---|-----|-----------|
| 91  | Alignment of dimensions towards modelling organisational supply chain agility. <i>International Journal of Services and Operations Management</i> , 2014, 17, 88.   | 0.2 | 10        |
| 92  | Extension of TODIM combined with grey numbers: an integrated decision making module. <i>Grey Systems Theory and Application</i> , 2015, 5, 367-391.   | 2.1 | 10        |
| 93  | 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. <i>Silicon</i> , 2018, 10, 1557-1572.   | 3.3 | 10        |
| 94  | 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        |
| 95  | Dry Machining Performance of AA7075-T6 Alloy Using Uncoated Carbide and MT-CVD TiCN-Al <sub>2</sub> O <sub>3</sub> -Coated Carbide Inserts. <i>Arabian Journal for Science and Engineering</i> , 2020, 45, 9777-9791.                         | 3.0 | 10        |
| 96  | Desirability Function Approach for Solving Multi-Objective Optimization Problem in Submerged Arc Welding. <i>Journal for Manufacturing Science and Production</i> , 2006, 7, 127-138.   | 0.1 | 9         |
| 97  | Flexible Manufacturing System selection based on grey relation under uncertainty. <i>International Journal of Services and Operations Management</i> , 2011, 8, 516.  | 0.2 | 9         |
| 98  | Agility appraisal framework for integrated supply chain using generalised interval-valued fuzzy set. <i>International Journal of Business Information Systems</i> , 2014, 16, 89.   | 0.2 | 9         |
| 99  | GDMP for CNC machine tool selection with a compromise ranking method using generalised fuzzy circumstances. <i>International Journal of Computer Aided Engineering and Technology</i> , 2015, 7, 92.  | 0.2 | 9         |
| 100 | Multi-response Optimization in Machining of GFRP (Epoxy) Composites: An Integrated Approach. <i>Journal for Manufacturing Science and Production</i> , 2015, 15, 267-292.   | 0.1 | 9         |
| 101 | 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         |
| 102 | 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.   | 1.8 | 9         |
| 103 | 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         |
| 104 | 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         |
| 105 | Bead Geometry Optimization of Submerged Arc Weld: Exploration of Weighted Principal Component Analysis (WPCA). <i>Applied Mechanics and Materials</i> , 0, 110-116, 790-798.  | 0.2 | 8         |
| 106 | Principal component analysis and fuzzy embedded Taguchi approach for multi-response optimisation in machining of GFRP polyester composites: a case study. <i>International Journal of Industrial and Systems Engineering</i> , 2013, 14, 175. | 0.2 | 8         |
| 107 | Agility appraisal and identification of agile barriers in a supply chain. <i>International Journal of Services and Operations Management</i> , 2013, 16, 478.   | 0.2 | 8         |
| 108 | Hot machining of difficult-to-cut materials: A review. <i>Materials Today: Proceedings</i> , 2021, 44, 2710-2715.   | 1.8 | 8         |

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|-----|--|-----|-----------|
| 109 | Machining performance of Ti6Al4V under dry environment, pressurized air supply and water-MQL: analysis of machining-induced vibration signals and captured thermographs. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2021, 46, 1. | 1.3 | 8         |
| 110 | Selection of industrial robot using interval-valued trapezoidal fuzzy numbers set combined with VIKOR method. <i>International Journal of Technology Intelligence and Planning</i> , 2011, 7, 344.   | 0.3 | 7         |
| 111 | Application of NSGA II for Optimization of Multi-performance Characteristics During Machining of GFRP (epoxy) Composites. <i>Materials Today: Proceedings</i> , 2015, 2, 2353-2358.  | 1.8 | 7         |
| 112 | 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         |
| 113 | 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         |
| 114 | USE OF DESIRABILITY FUNCTION AND PRINCIPAL COMPONENT ANALYSIS IN GREY-TAGUCHI APPROACH TO SOLVE CORRELATED MULTI-RESPONSE OPTIMIZATION IN SUBMERGED ARC WELDING. <i>Journal of Advanced Manufacturing Systems</i> , 2010, 09, 117-128.               | 1.0 | 6         |
| 115 | Optimisation of percent dilution and HAZ width of submerged arc weldment using Taguchi philosophy coupled with fuzzy inference system. <i>International Journal of Productivity and Quality Management</i> , 2014, 13, 430.                          | 0.2 | 6         |
| 116 | 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         |
| 117 | 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.                 | 1.8 | 6         |
| 118 | Assessment Of Surface Integrity During Electrical Discharge Machining Of Titanium Grade 5 Alloys (Ti-6Al-4V). <i>Materials Today: Proceedings</i> , 2019, 18, 2477-2485.   | 1.8 | 6         |
| 119 | Fuzzy embedded imperialist competitive algorithm (ICA) for multi-response optimization during machining of CFRP (Epoxy) composites. , 2017, , .  |     | 5         |
| 120 | Green supplier selection in fuzzy context: a decision-making scenario on application of fuzzy-MULTIMOORA. <i>International Journal of Services and Operations Management</i> , 2017, 28, 98.   | 0.2 | 5         |
| 121 | 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         |
| 122 | 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         |
| 123 | Implementing agility appraisal module in fuzzy context: an Indian perspective. <i>International Journal of Logistics Systems and Management</i> , 2013, 14, 353.   | 0.2 | 4         |
| 124 | Fuzzy evaluation modelling to assess organisational agility. <i>International Journal of Industrial and Systems Engineering</i> , 2015, 21, 50.  | 0.2 | 4         |
| 125 | Optimization of Multi-performance Characteristics During Drilling of GFRP (Epoxy) Composites by Harmony Search Algorithm. <i>Materials Today: Proceedings</i> , 2015, 2, 2332-2336.  | 1.8 | 4         |
| 126 | WEDM Performance of Ti-6Al-4V: Emphasis on Multi-Cut Strategy, Effects of Electrode Wire. <i>Materials Today: Proceedings</i> , 2019, 18, 4102-4110.   | 1.8 | 4         |

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|-----|---|-----|-----------|
| 127 | Selection of appropriate powder-mixed dielectric media (kerosene and used transformer oil) for desired EDM performance on Inconel 718 super alloys. <i>Materials Today: Proceedings</i> , 2019, 18, 4111-4119.  | 1.8 | 4         |
| 128 | Effects of Depth of Cut during Machining of Inconel 718 using Uncoated WC Tool. <i>Materials Today: Proceedings</i> , 2019, 18, 3667-3675.  | 1.8 | 4         |
| 129 | Study of machinability assessment of nickel based alloy using electro-discharge machining with transformer oil as dielectric. <i>Materials Today: Proceedings</i> , 2021, 38, 2205-2212.  | 1.8 | 4         |
| 130 | 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. | 1.2 | 4         |
| 131 | Parametric studies on SiC-abrasive jet assisted machining of alumina ceramics. <i>Materials Today: Proceedings</i> , 2021, 44, 1643-1652.   | 1.8 | 4         |
| 132 | A novel swarm optimization technique for partner selection in virtual enterprise. , 2010, , .   |     | 3         |
| 133 | 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         |
| 134 | Machinability of Inconel 825 superalloy under dry cutting environment with application of uncoated WC-Co tool. <i>Materials Today: Proceedings</i> , 2021, 38, 2145-2150.   | 1.8 | 3         |
| 135 | Influence of cutting speed on dry machinability of AISI 304 stainless steel. <i>Materials Today: Proceedings</i> , 2021, 38, 2174-2180.   | 1.8 | 3         |
| 136 | Comparative experimental study on application feasibility of MTCVD TiCN-Al <sub>2</sub> O <sub>3</sub> -TiOCN multi-layer coated carbide and PVD TiN single layer coated composite ceramic inserts during dry machining of Ti-6Al-4V. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2022, 47, .        | 1.3 | 3         |
| 137 | A Case Study on Quality and Productivity Optimization in Electric Discharge Machining (EDM). <i>Advanced Materials Research</i> , 0, 445, 27-32.  | 0.3 | 2         |
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