

Somnath Chattopadhyaya

List of Publications by Year in descending order

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Version: 2024-02-01

155
papers

2,875
citations

172457

29
h-index

223800

46
g-index

160
all docs

160
docs citations

160
times ranked

1845
citing authors

#	ARTICLE	IF	CITATIONS
1	Joining of carbon fibre reinforced polymer (CFRP) composites and aluminium alloys – A review. Composites Part A: Applied Science and Manufacturing, 2017, 101, 1-29.	7.6	418
2	Investigation on mechanical, tribological and microstructural properties of Al–Mg–Si–Ti/SiC/muscovite-hybrid metal-matrix composites for high strength applications. Journal of Materials Research and Technology, 2021, 12, 1564-1581.	5.8	84
3	Taguchi S/N and TOPSIS Based Optimization of Fused Deposition Modelling and Vapor Finishing Process for Manufacturing of ABS Plastic Parts. Materials, 2020, 13, 5176.	2.9	69
4	Wear Assessment of Conical Pick used in Coal Cutting Operation. Rock Mechanics and Rock Engineering, 2015, 48, 2129-2139.	5.4	66
5	Ultrasonically generated pulsed water jet peening of austenitic stainless-steel surfaces. Journal of Manufacturing Processes, 2018, 32, 455-468.	5.9	66
6	Multi response optimization of process parameters based on Taguchi–Fuzzy model for coal cutting by water jet technology. International Journal of Advanced Manufacturing Technology, 2011, 56, 1019-1025.	3.0	65
7	Residual stress and surface properties of stainless steel welded joints induced by ultrasonic pulsed water jet peening. Measurement: Journal of the International Measurement Confederation, 2018, 127, 453-462.	5.0	59
8	Performance analysis of specially designed single basin passive solar distillers incorporated with novel solar desalting stills: A review. Solar Energy, 2019, 185, 146-164.	6.1	55
9	Optimization of FFF Process Parameters by Naked Mole-Rat Algorithms with Enhanced Exploration and Exploitation Capabilities. Polymers, 2021, 13, 1702.	4.5	52
10	Improvement of surface integrity of Nimonic C 263 super alloy produced by WEDM through various post-processing techniques. International Journal of Advanced Manufacturing Technology, 2017, 93, 433-443.	3.0	51
11	Potential of Using Water Jet Peening as a Surface Treatment Process for Welded Joints. Procedia Engineering, 2016, 149, 472-480.	1.2	50
12	Surface integrity and residual stress analysis of pulsed water jet peened stainless steel surfaces. Measurement: Journal of the International Measurement Confederation, 2019, 143, 81-92.	5.0	50
13	Joint strength evaluation of friction stir welded Al-Cu dissimilar alloys. Measurement: Journal of the International Measurement Confederation, 2019, 146, 892-902.	5.0	47
14	Effect of Size, Content and Shape of Reinforcements on the Behavior of Metal Matrix Composites (MMCs) Under Tension. Journal of Materials Engineering and Performance, 2016, 25, 4444-4459.	2.5	45
15	Digital technologies, healthcare and Covid-19: insights from developing and emerging nations. Health and Technology, 2022, 12, 547-568.	3.6	45
16	A review on developments of deployable membrane-based reflector antennas. Advances in Space Research, 2021, 68, 3749-3764.	2.6	44
17	Energy matrices and efficiency analyses of solar distiller units: A review. Solar Energy, 2018, 173, 53-75.	6.1	41
18	Investigations into reliability, maintainability and availability of tunnel boring machine operating in mixed ground condition using Markov chains. Engineering Failure Analysis, 2019, 105, 477-489.	4.0	41

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19	Fatigue life of machined components. <i>Advances in Manufacturing</i> , 2017, 5, 59-76.	6.1	39
20	Characterization of Wear Mechanisms in Distorted Conical Picks After Coal Cutting. <i>Rock Mechanics and Rock Engineering</i> , 2016, 49, 225-242.	5.4	38
21	Determination of layer thickness in direct metal deposition using dimensional analysis. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 67, 2681-2687.	3.0	37
22	Microhole drilling through electrochemical processes: A review. <i>Materials and Manufacturing Processes</i> , 2018, 33, 1379-1405.	4.7	37
23	Wear characteristics and defects analysis of friction stir welded joint of aluminium alloy 6061-T6. <i>Eksploatacja I Niezawodnosc</i> , 2016, 18, 128-135.	2.0	37
24	An Innovative Agile Model of Smart Leanâ€“Green Approach for Sustainability Enhancement in Industry 4.0. <i>Journal of Open Innovation: Technology, Market, and Complexity</i> , 2021, 7, 215.	5.2	37
25	A Sustainable Methodology Using Lean and Smart Manufacturing for the Cleaner Production of Shop Floor Management in Industry 4.0. <i>Mathematics</i> , 2022, 10, 347.	2.2	37
26	Surface alloying of miniature components by micro-electrical discharge process. <i>Materials and Manufacturing Processes</i> , 2018, 33, 1051-1061.	4.7	35
27	Assessing the Applicability of Photocatalytic-Concrete Blocks in Reducing the Concentration of Ambient NO ₂ of Chandigarh, India, Using Boxâ€“Behnken Response Surface Design Technique: A Holistic Sustainable Development Approach. <i>Journal of Chemistry</i> , 2021, 2021, 1-12.	1.9	35
28	Investigation of sandstone erosion by continuous and pulsed water jets. <i>Journal of Manufacturing Processes</i> , 2019, 42, 121-130.	5.9	34
29	Effect of ball-milling process parameters on mechanical properties of Al/Al ₂ O ₃ /collagen powder composite using statistical approach. <i>Journal of Materials Research and Technology</i> , 2021, 15, 2918-2932.	5.8	34
30	Comparative Analysis of Erosive Wear Behaviour of Epoxy, Polyester and Vinyl Esters Based Thermosetting Polymer Composites for Human Prosthetic Applications Using Taguchi Design. <i>Polymers</i> , 2021, 13, 3607.	4.5	34
31	Surface integrity analysis of abrasive water jet-cut surfaces of friction stir welded joints. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 88, 1687-1701.	3.0	33
32	Characterization of Friction Surfaced Coatings of AISI 316 Tool over High-Speed-Steel Substrate. <i>Transactions of Fadena</i> , 2017, 41, 61-76.	0.6	29
33	Experimental and Numerical Assessment of Temperature Field and Analysis of Microstructure and Mechanical Properties of Low Power Laser Annealed Welded Joints. <i>Materials</i> , 2018, 11, 1514.	2.9	29
34	Performance Analysis of Two Different Conical Picks Used in Linear Cutting Operation of Coal. <i>Arabian Journal for Science and Engineering</i> , 2016, 41, 249-265.	1.1	28
35	Contribution of machining to the fatigue behaviour of metal matrix composites (MMCs) of varying reinforcement size. <i>International Journal of Fatigue</i> , 2017, 102, 9-17.	5.7	27
36	Reliability analysis and failure rate evaluation for critical subsystems of the dragline. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2018, 40, 1.	1.6	27

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37	Wear behavior of chromium nitride coating in dry condition at lower sliding velocity and load. International Journal of Advanced Manufacturing Technology, 2018, 96, 1665-1675.	3.0	26
38	Monitoring of Acoustic Emission During the Disintegration of Rock. Procedia Engineering, 2016, 149, 481-488.	1.2	25
39	Processing of duplex stainless steel by WEDM. Materials and Manufacturing Processes, 2018, 33, 1559-1567.	4.7	25
40	Experimental investigation of pug cutter embedded TIG welding of Ti-6Al-4V titanium alloy. Journal of Mechanical Science and Technology, 2018, 32, 2715-2721.	1.5	25
41	An Agile System to Enhance Productivity through a Modified Value Stream Mapping Approach in Industry 4.0: A Novel Approach. Sustainability, 2021, 13, 11997.	3.2	24
42	Discussion on Wear Phenomenain Cemented Carbide. Procedia Earth and Planetary Science, 2015, 11, 284-293.	0.6	23
43	Heat input effect of friction stir welding on aluminium alloy AA 6061-T6 welded joint. Thermal Science, 2016, 20, 637-641.	1.1	23
44	Critical Damage Analysis of WC-Co Tip of Conical Pick due to Coal Excavation in Mines. Advances in Materials Science and Engineering, 2015, 2015, 1-7.	1.8	22
45	Critical Analysis of Wear Mechanisms in Cemented Carbide. Journal of Materials Engineering and Performance, 2015, 24, 2628-2636.	2.5	22
46	Critical Investigation of Wear Behaviour of WC Drill Bit Buttons. Rock Mechanics and Rock Engineering, 2013, 46, 169-177.	5.4	21
47	Critical Failure Analysis of Superheater Tubes of Coal-Based Boiler. Strojnicki Vestnik/Journal of Mechanical Engineering, 2017, 63, 287-299.	1.1	20
48	Dissimilar friction stir welding of Al to non-Al metallic materials: An overview. Materials Chemistry and Physics, 2022, 288, 126371.	4.0	20
49	Analysis of acoustic emission emerging during hydroabrasive cutting and options for indirect quality control. International Journal of Advanced Manufacturing Technology, 2013, 66, 45-58.	3.0	19
50	Economic evaluation of a hybrid renewable energy system (HRES) using hybrid optimization model for electric renewable (HOMER) software—a case study of rural India. International Journal of Low-Carbon Technologies, 2021, 16, 814-821.	2.6	19
51	Critical Assessment of Temperature Distribution in Submerged Arc Welding Process. Advances in Materials Science and Engineering, 2013, 2013, 1-9.	1.8	18
52	Prediction of Submerged Arc Welding Yield Parameters through Graphical Technique. Procedia Engineering, 2011, 10, 2797-2802.	1.2	17
53	Investigations into FSW joints of dissimilar aluminum alloys. Materials Today: Proceedings, 2020, 27, 2455-2462.	1.8	17
54	Delineation of cutter force and cutter wear in different edge configurations of disc cutters – An analysis using discrete element method. Engineering Failure Analysis, 2021, 129, 105727.	4.0	17

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55	A Sustainable Productive Method for Enhancing Operational Excellence in Shop Floor Management for Industry 4.0 Using Hybrid Integration of Lean and Smart Manufacturing: An Ingenious Case Study. Sustainability, 2022, 14, 7452.	3.2	17
56	Effect of laser power and welding speed on microstructure and mechanical properties of fibre laser-welded Inconel 617 thin sheet. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 4579-4588.	1.6	15
57	Effect of lubrication on the wear behaviour of CrN coating deposited by PVD process. International Journal of Surface Science and Engineering, 2019, 13, 60.	0.4	14
58	Characterization of AuNPs based ink for inkjet printing of low cost paper based sensors. Materials Letters, 2020, 264, 127332.	2.6	14
59	Effect of alumina oxide nano-powder on the wear behaviour of CrN coating against cylinder liner using response surface methodology: processing and characterizations. Journal of Materials Research and Technology, 2022, 16, 1102-1113.	5.8	13
60	Assessment of Heat Affected Zone of Submerged Arc Welding Process through Digital Image Processing. Procedia Engineering, 2011, 10, 2782-2785.	1.2	12
61	Feasibility Study of Friction Surfaced Coatings over Non-ferrous Substrates. Procedia Engineering, 2016, 149, 465-471.	1.2	12
62	Micro-friction stir welding (MFSW) – A review. Materials Today: Proceedings, 2020, 27, 2469-2473.	1.8	12
63	A Novel Method of Laser Coating Process on Worn-Out Cutter Rings of Tunnel Boring Machine for Eco-Friendly Reuse. Symmetry, 2020, 12, 471.	2.2	12
64	Productivity Enhancement by Prediction of Liquid Steel Breakout during Continuous Casting Process in Manufacturing of Steel Slabs in Steel Plant Using Artificial Neural Network with Backpropagation Algorithms. Materials, 2022, 15, 670.	2.9	12
65	Investigation on Different Type of Defects, Temperature Variation and Mechanical Properties of Friction Stir Welded Lap joint of Aluminum Alloy 6101-T6. Materials Today: Proceedings, 2018, 5, 24378-24386.	1.8	11
66	Influence of frequency change during sandstone erosion by pulsed waterjet. Materials and Manufacturing Processes, 2020, 35, 187-194.	4.7	11
67	Prediction of Transient Temperature Distributions for Laser Welding of Dissimilar Metals. Applied Sciences (Switzerland), 2021, 11, 5829.	2.5	11
68	MICROSTRUCTURAL STUDY OF FAILURE PHENOMENA IN WC 94%-Co 6% HARD METAL ALLOY TIPS OF RADIAL PICKS. Advances in Science and Technology Research Journal, 2017, 11, 36-47.	0.8	11
69	Development of a Data-Driven Decision-Making System Using Lean and Smart Manufacturing Concept in Industry 4.0: A Case Study. Mathematical Problems in Engineering, 2022, 2022, 1-20.	1.1	11
70	Optimization and characterization of friction surfaced coatings of ferrous alloys. Materialpruefung/Materials Testing, 2018, 60, 707-718.	2.2	10
71	Behavior of RC Beam – Column Joints Strengthened with Modified Reinforcement Techniques. Sustainability, 2022, 14, 1918.	3.2	10
72	Friction stir welding of commercially pure copper and 1050 aluminum alloys. Materials Today: Proceedings, 2020, 25, 664-667.	1.8	9

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73	Effect of different parameters on surface roughness and material removal rate in abrasive water jet cutting of Nimonic C263. <i>Materials Today: Proceedings</i> , 2020, 27, 2239-2242.	1.8	9
74	Dissimilar Welding of Nickel Based Superalloy with Stainless Steel: Influence of Post Weld Heat Treatment. <i>Materials and Manufacturing Processes</i> , 2022, 37, 136-142.	4.7	9
75	Utilizing the water hammer effect to enhance the mechanical properties of AISI 304 welded joints. <i>International Journal of Advanced Manufacturing Technology</i> , 2022, 119, 2317-2328.	3.0	9
76	Surface Roughness of Graphite and Aluminium Alloy After Hydro-abrasive Machining. <i>Lecture Notes in Mechanical Engineering</i> , 2018, , 805-813.	0.4	8
77	Surface Treatment of AISI 304 Using Pulsating Water Jet Peening. <i>Lecture Notes in Mechanical Engineering</i> , 2018, , 535-548.	0.4	8
78	Experimental and mathematical evaluation of thermal and tensile properties of friction stir welded joint. <i>International Journal of Materials and Product Technology</i> , 2018, 57, 204.	0.2	8
79	Statistical Reliability Assessment for Small Sample of Failure Data of Dumper Diesel Engines Based on Power Law Process and Maximum Likelihood Estimation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5387.	2.5	8
80	Comparative spectroscopic analysis, performance and emissions evaluation of <i>Madhuca longifolia</i> and <i>Jatropha curcas</i> produced biodiesel. <i>Environmental Science and Pollution Research</i> , 2021, 28, 62444-62460.	5.3	8
81	A Novel Smart Production Management System for the Enhancement of Industrial Sustainability in Industry 4.0. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-24.	1.1	8
82	Influence of copper plate positioning, zero tool offset, and bed conditions in friction stir welding of dissimilar Al-Cu alloys with different thicknesses. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2022, 38, 73-83.	4.5	8
83	Prediction of Weld Bead Parameters, Transient Temperature Distribution & HAZ Width of Submerged Arc Welded Structural Steel Plates. <i>Defect and Diffusion Forum</i> , 2012, 326-328, 405-409.	0.4	7
84	Developing green supply chain system for Indian enterprises. <i>International Journal of Business Excellence</i> , 2013, 6, 270.	0.3	7
85	Characterization of Failure Behavior in Distorted WC-Co Tip of Coal Mining Picks. <i>Journal of Failure Analysis and Prevention</i> , 2017, 17, 136-143.	0.9	7
86	A review on continuous and pulsed water jet machining. <i>Materials Today: Proceedings</i> , 2020, 27, 2596-2604.	1.8	7
87	Standoff Distance in Ultrasonic Pulsating Water Jet. <i>Materials</i> , 2021, 14, 88.	2.9	7
88	Prediction of TBM Disc Cutter Wear and Penetration Rate in Tunneling Through Hard and Abrasive Rock Using Multi-layer Shallow Neural Network and Response Surface Methods. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 3489-3506.	5.4	7
89	Critical Analysis of Confounded Parameters of SAW Process. <i>Procedia Engineering</i> , 2011, 10, 2786-2790.	1.2	6
90	Effect of Heat input on Submerged Arc Welded Plates. <i>Procedia Engineering</i> , 2011, 10, 2791-2796.	1.2	6

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91	Prediction of Transient Temperature Distribution, HAZ Width and Microstructural Analysis of Submerged Arc-Welded Structural Steel Plates. Defect and Diffusion Forum, 0, 316-317, 135-152.	0.4	6
92	Influence of Welding Current on Bead Shape, Mechanical and Structural Property of Tungsten Inert Gas Welded Stainless Steel Plate. Materials Today: Proceedings, 2015, 2, 3342-3349.	1.8	6
93	Microstructure Evaluation of Different Materials after Friction Surfacing - A Review. Materials Today: Proceedings, 2018, 5, 24094-24103.	1.8	6
94	Optimization of gas metal arc welding parameters to weld AZ31B alloy using response surface methodology. Materials Research Express, 2019, 6, 106569.	1.6	6
95	A review on magnetically supported gas metal arc welding process for magnesium alloys. Materials Research Express, 2019, 6, 082002.	1.6	6
96	Tribological Properties of Chromium Nitride on the Cylinder Liner under the Influence of High Temperature. Materials, 2020, 13, 4497.	2.9	6
97	Fabrication of high aspect-ratio tungsten microtools through controlled electrochemical etching. Materials and Manufacturing Processes, 2021, 36, 1236-1247.	4.7	6
98	A Comparative Numerical Analysis on the Effect of Welding Consumables on the Ballistic Resistance of SMAW Joints of Armor Steel. Applied Sciences (Switzerland), 2021, 11, 3629.	2.5	6
99	Wear Characterization into WC-Co by FESEM. Materials Today: Proceedings, 2018, 5, 3533-3540.	1.8	5
100	Comparative studies in electro-physical processes (ECM & EDM) for circular micro-holes drilling. Materials Today: Proceedings, 2018, 5, 27690-27699.	1.8	5
101	Effect of Periodic Water Clusters on AISI 304 Welded Surfaces. Materials, 2021, 14, 210.	2.9	5
102	Meta-Analysis and Forest Plots for Sustainability of Heavy Load Carrier Equipment Used in the Industrial Mining Environment. Sustainability, 2021, 13, 8672.	3.2	5
103	Surface Topography Analysis of Mg-Based Composites with Different Nanoparticle Contents Disintegrated Using Abrasive Water Jet. Materials, 2021, 14, 5471.	2.9	5
104	Prediction of HAZ Width of Submerged Arc Welded Plates. Advanced Materials Research, 2011, 284-286, 2481-2484.	0.3	4
105	Investigation into Coal Fragmentation Analysis by Using Conical Pick. , 2014, 5, 2411-2417.		4
106	A Review Paper on Machining of Metal Matrix Composite and Optimizing Methods used in Electrical Discharge Machining. Materials Today: Proceedings, 2018, 5, 24428-24438.	1.8	4
107	Effect of composition and grain structure on machining performance in EDM-A review. IOP Conference Series: Materials Science and Engineering, 2018, 377, 012070.	0.6	4
108	Wear of chromium nitride coating under high loads and speeds. International Journal of Surface Science and Engineering, 2019, 13, 263.	0.4	4

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109	Modeling and Spark Erosion Drilling Process Optimization of Inconel 718 Using RSM Technique. Journal of Advanced Manufacturing Systems, 2019, 18, 57-83.	1.0	4
110	Effect of Frequency Change During Pulsed Waterjet Interaction with Stainless Steel. Lecture Notes in Mechanical Engineering, 2019, , 85-96.	0.4	4
111	The Effect of an External Magnetic Field on the Aspect Ratio and Heat Input of Gas-Metal-Arc-Welded AZ31B Alloy Weld Joints Using a Response Surface Methodology. Materials, 2020, 13, 5269.	2.9	4
112	Effect of SiC micro and nanopowder in the electrical discharge machining process. Materials Today: Proceedings, 2020, 28, 2400-2404.	1.8	4
113	Influence of low-frequency vibration in Die Sinking EDM: a review. IOP Conference Series: Materials Science and Engineering, 2021, 1104, 012010.	0.6	4
114	Analysis of Variance of Dissimilar Cu-Al Alloy Friction Stir Welded Joints with Different Offset Conditions. Applied Sciences (Switzerland), 2021, 11, 4604.	2.5	4
115	Evaluation of spectroscopic analysis, performance and emissions of enriched Jatropha and Madhuca methyl ester for clean environment. Clean Technologies and Environmental Policy, 2022, 24, 2295-2312.	4.1	4
116	Prediction of Weld Parameters in Gas Metal Arc Welding Process Using Curve Arc Fitting Techniques and Graphical Methods. Advanced Materials Research, 0, 652-654, 2352-2356.	0.3	3
117	Discussion on Ranking the Sawability of Rocks Using a Combined Multiple Attribute Decision Making Method. Applied Mechanics and Materials, 0, 592-594, 864-868.	0.2	3
118	Effects of types of GTAW including superior GTAW-PC with superimposed HF current on mechanical and metallurgical properties of super duplex stainless steel weld joints. Materials Research Express, 2019, 6, 076572.	1.6	3
119	Development of mathematical model for friction stir welded joint using â€”Râ€™™ Programming. Materials Today: Proceedings, 2020, 27, 2142-2146.	1.8	3
120	Regression modeling and comparative analysis on CNC wet-turning of AISI-1055 & AISI-4340 steels. Materials Today: Proceedings, 2020, 24, 841-850.	1.8	3
121	Design and Analysis of a Low-Cost Electronically Controlled Mobile Ventilator, Incorporating Mechanized AMBU Bag, for Patients during COVID-19 Pandemic. Journal of Healthcare Engineering, 2022, 2022, 1-15.	1.9	3
122	Analytical solution for transient temperature distribution of semi -infinite body subjected to 3-D moving heat source of submerged Arc Welding process. , 2010, , .		2
123	Investigation into Coal Cutting Operation by Using Conical Pick of Cast Iron with LH710 Coated Tip. Applied Mechanics and Materials, 0, 592-594, 426-431.	0.2	2
124	Surface quality finish in laser cutting using Taguchi design. Tehnicki Vjesnik, 2017, 24, .	0.2	2
125	Experimental investigation of CrN coating deposited by PVD Process. IOP Conference Series: Materials Science and Engineering, 2019, 691, 012042.	0.6	2
126	Experimental investigation on the effects of aqueous solution in electric discharge machining. Materials Today: Proceedings, 2020, 27, 2975-2980.	1.8	2

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127	Effects of balance electrode in deep micro-holes drilling in nickel plate through µECM process using H ₂ SO ₄ electrolyte. <i>Materials Today: Proceedings</i> , 2021, 43, 1431-1436.	1.8	2
128	Experimental and mathematical evaluation of thermal and tensile properties of friction stir welded joint. <i>International Journal of Materials and Product Technology</i> , 2018, 57, 204.	0.2	2
129	Effect of lubrication on the wear behaviour of CrN coating deposited by PVD process. <i>International Journal of Surface Science and Engineering</i> , 2019, 13, 60.	0.4	2
130	Assessment of reliability and maintainability of earth pressure balance tunnel boring machine (EPBTBM) – An approach. <i>Tunnelling and Underground Space Technology</i> , 2022, 121, 104337.	6.2	2
131	A comparative study of NaOH and KOH electrolytes in micro-ECM. <i>Advances in Materials and Processing Technologies</i> , 2022, 8, 4181-4193.	1.4	2
132	Estimation of temperature distribution on submerged arc welded plates through conical heat distribution technique. <i>International Journal of Computational Materials Science and Surface Engineering</i> , 2011, 4, 281.	0.2	1
133	Prediction of Temperature Distribution on Submerged Arc Welded Plates through Gaussian Heat Distribution Technique. <i>Advanced Materials Research</i> , 2011, 284-286, 2477-2480.	0.3	1
134	Assessment of Heat Affected Zone of Submerged Arc Welding Process through Digital Image Processing. <i>Defect and Diffusion Forum</i> , 2012, 326-328, 400-404.	0.4	1
135	Sustainable supply chain: vendor and customer participation. <i>International Journal of Modelling in Operations Management</i> , 2012, 2, 360.	0.0	1
136	Experimental study on the depth of cut of granite in pulsating water-jet. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 377, 012116.	0.6	1
137	Influence of laser power and welding speed on dendrite structure growth of low power pulsed laser welded super alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1104, 012019.	0.6	1
138	Investigation and Optimization of Micro-End-Milling of C-103 Nb-Alloy via Taguchi Design Method. <i>Advanced Science, Engineering and Medicine</i> , 2018, 10, 362-368.	0.3	1
139	Wear of chromium nitride coating under high loads and speeds. <i>International Journal of Surface Science and Engineering</i> , 2019, 13, 263.	0.4	1
140	An Analysis on the Advanced Research in Additive Manufacturing. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 229-277.	0.4	1
141	Analysis of the Influence of the Heat Input and Bead Volume on HAZ Hardness for Submerged Arc Welding Process of Mild Steel Plates. <i>Advanced Materials Research</i> , 2011, 284-286, 2469-2472.	0.3	0
142	Prediction of Heat Distribution Shape and Nozzle Diameter of Plasma Arc Cutter. <i>Advanced Materials Research</i> , 2011, 284-286, 2465-2468.	0.3	0
143	3 rd Degree Mathematical Model Appropriate for Parametric Estimation of SAW Process. <i>Advanced Materials Research</i> , 2011, 284-286, 2473-2476.	0.3	0
144	Idealisation and Formulation in Structural Dynamics Using Modal Analysis. <i>Advanced Materials Research</i> , 0, 418-420, 1022-1025.	0.3	0

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145	Sustainable Supply Chain Management: A Case Study From Indian Automotive Industry. Advanced Materials Research, 2012, 472-475, 3359-3370.	0.3	0
146	Additive Printing of Gold Nanoparticles on Paper Substrate Through Office Ink-Jet Printer. Lecture Notes in Mechanical Engineering, 2019, , 220-228.	0.4	0
147	Effects of acoustically generated pulsed hydro jet during rock surface disintegration. AIP Conference Proceedings, 2020, , .	0.4	0
148	Machinability study of stainless steel in deep micro-holes fabrication through $\hat{\mu}$ ECM using balance electrode. Materials Today: Proceedings, 2021, 43, 1437-1442.	1.8	0
149	Analysis and Modeling on Defects of Deep Micro-holes Fabrication in Stainless Steel Through $\hat{\mu}$ ECM. Smart Innovation, Systems and Technologies, 2021, , 135-145.	0.6	0
150	Analysis of Elastic Deflection of Single Point Cutting Tool and Optimization of Cutting Speed in Turning Operation by Using MADM Method. IOP Conference Series: Materials Science and Engineering, 2021, 1104, 012017.	0.6	0
151	Influence of superimposition of high frequency current to CC-GTAW and PC-GTAW welding producing superior characteristics of weld joints of SDSS. International Journal of Materials and Product Technology, 2021, 63, 262.	0.2	0
152	ANFIS Model for Interaction of Parameters of Sybmerged Arc Welding Process for Mild Steel Plates of Higher Thickness. Indian Welding Journal, 2010, 43, 44.	0.0	0
153	A Review on Electrodischarge Processes for Circular Micro-Holes Drilling. Advanced Science, Engineering and Medicine, 2018, 10, 240-248.	0.3	0
154	Green-Machining Characteristics Study and Comparison in Meso-Scale End-Milling of AISI-1055 and AISI-4340 Steels. Lecture Notes on Multidisciplinary Industrial Engineering, 2020, , 61-70.	0.6	0
155	Effect of Temperature on the Wear Behaviour of CrN Coating Deposited by Physical Vapour Deposition. Lecture Notes on Multidisciplinary Industrial Engineering, 2021, , 513-522.	0.6	0