

Somnath Chattopadhyaya

List of Publications by Year in descending order

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155
papers

2,875
citations

172457

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160
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times ranked

1845
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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. <i>Materials</i> , 2022, 15, 670.	2.9	12
4	Effect of alumina oxide nano-powder on the wear behaviour of CrN coating against cylinder liner using response surface methodology: processing and characterizations. <i>Journal of Materials Research and Technology</i> , 2022, 16, 1102-1113.	5.8	13
5	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
6	Behavior of RC Beam–Column Joints Strengthened with Modified Reinforcement Techniques. <i>Sustainability</i> , 2022, 14, 1918.	3.2	10
7	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
8	Digital technologies, healthcare and Covid-19: insights from developing and emerging nations. <i>Health and Technology</i> , 2022, 12, 547-568.	3.6	45
9	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
10	Design and Analysis of a Low-Cost Electronically Controlled Mobile Ventilator, Incorporating Mechanized AMBU Bag, for Patients during COVID-19 Pandemic. <i>Journal of Healthcare Engineering</i> , 2022, 2022, 1-15.	1.9	3
11	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
12	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
13	Development of a Data-Driven Decision-Making System Using Lean and Smart Manufacturing Concept in Industry 4.0: A Case Study. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-20.	1.1	11
14	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
15	Evaluation of spectroscopic analysis, performance and emissions of enriched <i>Jatropha</i> and <i>Madhuca</i> methyl ester for clean environment. <i>Clean Technologies and Environmental Policy</i> , 2022, 24, 2295-2312.	4.1	4
16	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. <i>Sustainability</i> , 2022, 14, 7452.	3.2	17
17	Dissimilar friction stir welding of Al to non-Al metallic materials: An overview. <i>Materials Chemistry and Physics</i> , 2022, 288, 126371.	4.0	20
18	Machinability study of stainless steel in deep micro-holes fabrication through μ ECM using balance electrode. <i>Materials Today: Proceedings</i> , 2021, 43, 1437-1442.	1.8	0

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19	Analysis and Modeling on Defects of Deep Micro-holes Fabrication in Stainless Steel Through $\hat{1}/4$ ECM. Smart Innovation, Systems and Technologies, 2021, , 135-145.	0.6	0
20	Effect of Periodic Water Clusters on AISI 304 Welded Surfaces. Materials, 2021, 14, 210.	2.9	5
21	Effects of balance electrode in deep micro-holes drilling in "nickel plate" through $\hat{\mu}$ ECM process using H2SO4 electrolyte. Materials Today: Proceedings, 2021, 43, 1431-1436.	1.8	2
22	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
23	Influence of low-frequency vibration in Die Sinking EDM: a review. IOP Conference Series: Materials Science and Engineering, 2021, 1104, 012010.	0.6	4
24	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
25	Influence of laser power and welding speed on dendrite structure growth of low power pulsed laser welded super alloy. IOP Conference Series: Materials Science and Engineering, 2021, 1104, 012019.	0.6	1
26	Fabrication of high aspect-ratio tungsten microtools through controlled electrochemical etching. Materials and Manufacturing Processes, 2021, 36, 1236-1247.	4.7	6
27	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
28	Optimization of FFF Process Parameters by Naked Mole-Rat Algorithms with Enhanced Exploration and Exploitation Capabilities. Polymers, 2021, 13, 1702.	4.5	52
29	Investigation on mechanical, tribological and microstructural properties of Al" Mg" Si" T6/SiC/muscovite-hybrid metal-matrix composites for high strength applications. Journal of Materials Research and Technology, 2021, 12, 1564-1581.	5.8	84
30	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
31	Statistical Reliability Assessment for Small Sample of Failure Data of Dumper Diesel Engines Based on Power Law Process and Maximum Likelihood Estimation. Applied Sciences (Switzerland), 2021, 11, 5387.	2.5	8
32	Prediction of Transient Temperature Distributions for Laser Welding of Dissimilar Metals. Applied Sciences (Switzerland), 2021, 11, 5829.	2.5	11
33	Assessing the Applicability of Photocatalytic-Concrete Blocks in Reducing the Concentration of Ambient NO2 of Chandigarh, India, Using Box" Behnken Response Surface Design Technique: A Holistic Sustainable Development Approach. Journal of Chemistry, 2021, 2021, 1-12.	1.9	35
34	Comparative spectroscopic analysis, performance and emissions evaluation of Madhuca longifolia and Jatropha curcas produced biodiesel. Environmental Science and Pollution Research, 2021, 28, 62444-62460.	5.3	8
35	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
36	Surface Topography Analysis of Mg-Based Composites with Different Nanoparticle Contents Disintegrated Using Abrasive Water Jet. Materials, 2021, 14, 5471.	2.9	5

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37	Effect of ball-milling process parameters on mechanical properties of Al/Al ₂ O ₃ /collagen powder composite using statistical approach. Journal of Materials Research and Technology, 2021, 15, 2918-2932.	5.8	34
38	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
39	A review on developments of deployable membrane-based reflector antennas. Advances in Space Research, 2021, 68, 3749-3764.	2.6	44
40	Standoff Distance in Ultrasonic Pulsating Water Jet. Materials, 2021, 14, 88.	2.9	7
41	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
42	Comparative Analysis of Erosive Wear Behaviour of Epoxy, Polyester and Vinyl Esters Based Thermosetting Polymer Composites for Human Prosthetic Applications Using Taguchi Design. Polymers, 2021, 13, 3607.	4.5	34
43	An Innovative Agile Model of Smart Lean – Green Approach for Sustainability Enhancement in Industry 4.0. Journal of Open Innovation: Technology, Market, and Complexity, 2021, 7, 215.	5.2	37
44	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
45	An Analysis on the Advanced Research in Additive Manufacturing. Lecture Notes in Mechanical Engineering, 2021, , 229-277.	0.4	1
46	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
47	Influence of frequency change during sandstone erosion by pulsed waterjet. Materials and Manufacturing Processes, 2020, 35, 187-194.	4.7	11
48	Development of mathematical model for friction stir welded joint using – R™ Programming. Materials Today: Proceedings, 2020, 27, 2142-2146.	1.8	3
49	Friction stir welding of commercially pure copper and 1050 aluminum alloys. Materials Today: Proceedings, 2020, 25, 664-667.	1.8	9
50	Micro-friction stir welding (µFSW) – A review. Materials Today: Proceedings, 2020, 27, 2469-2473.	1.8	12
51	Investigations into FSW joints of dissimilar aluminum alloys. Materials Today: Proceedings, 2020, 27, 2455-2462.	1.8	17
52	Effect of different parameters on surface roughness and material removal rate in abrasive water jet cutting of Nimonic C263. Materials Today: Proceedings, 2020, 27, 2239-2242.	1.8	9
53	Characterization of AuNPs based ink for inkjet printing of low cost paper based sensors. Materials Letters, 2020, 264, 127332.	2.6	14
54	A review on continuous and pulsed water jet machining. Materials Today: Proceedings, 2020, 27, 2596-2604.	1.8	7

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55	Tribological Properties of Chromium Nitride on the Cylinder Liner under the Influence of High Temperature. <i>Materials</i> , 2020, 13, 4497.	2.9	6
56	Effects of acoustically generated pulsed hydro jet during rock surface disintegration. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0
57	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. <i>Materials</i> , 2020, 13, 5269.	2.9	4
58	Taguchi S/N and TOPSIS Based Optimization of Fused Deposition Modelling and Vapor Finishing Process for Manufacturing of ABS Plastic Parts. <i>Materials</i> , 2020, 13, 5176.	2.9	69
59	Regression modeling and comparative analysis on CNC wet-turning of AISI-1055 & AISI-4340 steels. <i>Materials Today: Proceedings</i> , 2020, 24, 841-850.	1.8	3
60	Effect of SiC micro and nanopowder in the electrical discharge machining process. <i>Materials Today: Proceedings</i> , 2020, 28, 2400-2404.	1.8	4
61	Experimental investigation on the effects of aqueous solution in electric discharge machining. <i>Materials Today: Proceedings</i> , 2020, 27, 2975-2980.	1.8	2
62	A Novel Method of Laser Coating Process on Worn-Out Cutter Rings of Tunnel Boring Machine for Eco-Friendly Reuse. <i>Symmetry</i> , 2020, 12, 471.	2.2	12
63	Green-Machining Characteristics Study and Comparison in Meso-Scale End-Milling of AISI-1055 and AISI-4340 Steels. <i>Lecture Notes on Multidisciplinary Industrial Engineering</i> , 2020, , 61-70.	0.6	0
64	Optimization of gas metal arc welding parameters to weld AZ31B alloy using response surface methodology. <i>Materials Research Express</i> , 2019, 6, 106569.	1.6	6
65	Investigations into reliability, maintainability and availability of tunnel boring machine operating in mixed ground condition using Markov chains. <i>Engineering Failure Analysis</i> , 2019, 105, 477-489.	4.0	41
66	Joint strength evaluation of friction stir welded Al-Cu dissimilar alloys. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 146, 892-902.	5.0	47
67	Investigation of sandstone erosion by continuous and pulsed water jets. <i>Journal of Manufacturing Processes</i> , 2019, 42, 121-130.	5.9	34
68	Surface integrity and residual stress analysis of pulsed water jet peened stainless steel surfaces. <i>Measurement: Journal of the International Measurement Confederation</i> , 2019, 143, 81-92.	5.0	50
69	A review on magnetically supported gas metal arc welding process for magnesium alloys. <i>Materials Research Express</i> , 2019, 6, 082002.	1.6	6
70	Performance analysis of specially designed single basin passive solar distillers incorporated with novel solar desalting stills: A review. <i>Solar Energy</i> , 2019, 185, 146-164.	6.1	55
71	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. <i>Materials Research Express</i> , 2019, 6, 076572.	1.6	3
72	Wear of chromium nitride coating under high loads and speeds. <i>International Journal of Surface Science and Engineering</i> , 2019, 13, 263.	0.4	4

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73	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
74	Experimental investigation of CrN coating deposited by PVD Process. IOP Conference Series: Materials Science and Engineering, 2019, 691, 012042.	0.6	2
75	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
76	Additive Printing of Gold Nanoparticles on Paper Substrate Through Office Ink-Jet Printer. Lecture Notes in Mechanical Engineering, 2019, , 220-228.	0.4	0
77	Effect of Frequency Change During Pulsed Waterjet Interaction with Stainless Steel. Lecture Notes in Mechanical Engineering, 2019, , 85-96.	0.4	4
78	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	2
79	Wear of chromium nitride coating under high loads and speeds. International Journal of Surface Science and Engineering, 2019, 13, 263.	0.4	1
80	Reliability analysis and failure rate evaluation for critical subsystems of the dragline. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	27
81	Processing of duplex stainless steel by WEDM. Materials and Manufacturing Processes, 2018, 33, 1559-1567.	4.7	25
82	Wear Characterization into WC-Co by FESEM. Materials Today: Proceedings, 2018, 5, 3533-3540.	1.8	5
83	Ultrasonically generated pulsed water jet peening of austenitic stainless-steel surfaces. Journal of Manufacturing Processes, 2018, 32, 455-468.	5.9	66
84	Surface Roughness of Graphite and Aluminium Alloy After Hydro-abrasive Machining. Lecture Notes in Mechanical Engineering, 2018, , 805-813.	0.4	8
85	Surface Treatment of AISI 304 Using Pulsating Water Jet Peening. Lecture Notes in Mechanical Engineering, 2018, , 535-548.	0.4	8
86	Microhole drilling through electrochemical processes: A review. Materials and Manufacturing Processes, 2018, 33, 1379-1405.	4.7	37
87	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
88	Surface alloying of miniature components by micro-electrical discharge process. Materials and Manufacturing Processes, 2018, 33, 1051-1061.	4.7	35
89	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
90	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

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91	Comparative studies in electro-physical processes (ECM & EDM) for circular micro-holes drilling. Materials Today: Proceedings, 2018, 5, 27690-27699.	1.8	5
92	Microstructure Evaluation of Different Materials after Friction Surfacing - A Review. Materials Today: Proceedings, 2018, 5, 24094-24103.	1.8	6
93	Experimental and Numerical Assessment of Temperature Field and Analysis of Microstructure and Mechanical Properties of Low Power Laser Annealed Welded Joints. Materials, 2018, 11, 1514.	2.9	29
94	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
95	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
96	Energy matrices and efficiency analyses of solar distiller units: A review. Solar Energy, 2018, 173, 53-75.	6.1	41
97	Experimental and mathematical evaluation of thermal and tensile properties of friction stir welded joint. International Journal of Materials and Product Technology, 2018, 57, 204.	0.2	8
98	Experimental study on the depth of cut of granite in pulsating water-jet. IOP Conference Series: Materials Science and Engineering, 2018, 377, 012116.	0.6	1
99	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
100	Optimization and characterization of friction surfaced coatings of ferrous alloys. Materialpruefung/Materials Testing, 2018, 60, 707-718.	2.2	10
101	Experimental and mathematical evaluation of thermal and tensile properties of friction stir welded joint. International Journal of Materials and Product Technology, 2018, 57, 204.	0.2	2
102	Investigation and Optimization of Micro-End-Milling of C-103 Nb-Alloy via Taguchi Design Method. Advanced Science, Engineering and Medicine, 2018, 10, 362-368.	0.3	1
103	A Review on Electrodischarge Processes for Circular Micro-Holes Drilling. Advanced Science, Engineering and Medicine, 2018, 10, 240-248.	0.3	0
104	Surface integrity analysis of abrasive water jet-cut surfaces of friction stir welded joints. International Journal of Advanced Manufacturing Technology, 2017, 88, 1687-1701.	3.0	33
105	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
106	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
107	Fatigue life of machined components. Advances in Manufacturing, 2017, 5, 59-76.	6.1	39
108	Contribution of machining to the fatigue behaviour of metal matrix composites (MMCs) of varying reinforcement size. International Journal of Fatigue, 2017, 102, 9-17.	5.7	27

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109	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
110	Characterization of Failure Behavior in Distorted WC-Co Tip of Coal Mining Picks. Journal of Failure Analysis and Prevention, 2017, 17, 136-143.	0.9	7
111	Characterization of Friction Surfaced Coatings of AISI 316 Tool over High-Speed-Steel Substrate. Transactions of Fadena, 2017, 41, 61-76.	0.6	29
112	Surface quality finish in laser cutting using Taguchi design. Tehnicki Vjesnik, 2017, 24, .	0.2	2
113	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
114	Critical Failure Analysis of Superheater Tubes of Coal-Based Boiler. Strojniski Vestnik/Journal of Mechanical Engineering, 2017, 63, 287-299.	1.1	20
115	Feasibility Study of Friction Surfaced Coatings over Non-ferrous Substrates. Procedia Engineering, 2016, 149, 465-471.	1.2	12
116	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
117	Monitoring of Acoustic Emission During the Disintegration of Rock. Procedia Engineering, 2016, 149, 481-488.	1.2	25
118	Potential of Using Water Jet Peening as a Surface Treatment Process for Welded Joints. Procedia Engineering, 2016, 149, 472-480.	1.2	50
119	Performance Analysis of Two Different Conical Picks Used in Linear Cutting Operation of Coal. Arabian Journal for Science and Engineering, 2016, 41, 249-265.	1.1	28
120	Characterization of Wear Mechanisms in Distorted Conical Picks After Coal Cutting. Rock Mechanics and Rock Engineering, 2016, 49, 225-242.	5.4	38
121	Wear characteristics and defects analysis of friction stir welded joint of aluminium alloy 6061-T6. Eksploatacja I Niezawodnosc, 2016, 18, 128-135.	2.0	37
122	Heat input effect of friction stir welding on aluminium alloy AA 6061-T6 welded joint. Thermal Science, 2016, 20, 637-641.	1.1	23
123	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
124	Critical Analysis of Wear Mechanisms in Cemented Carbide. Journal of Materials Engineering and Performance, 2015, 24, 2628-2636.	2.5	22
125	Discussion on Wear Phenomenain Cemented Carbide. Procedia Earth and Planetary Science, 2015, 11, 284-293.	0.6	23
126	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

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127	Wear Assessment of Conical Pick used in Coal Cutting Operation. Rock Mechanics and Rock Engineering, 2015, 48, 2129-2139.	5.4	66
128	Investigation into Coal Fragmentation Analysis by Using Conical Pick. , 2014, 5, 2411-2417.		4
129	Determination of layer thickness in direct metal deposition using dimensional analysis. International Journal of Advanced Manufacturing Technology, 2013, 67, 2681-2687.	3.0	37
130	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
131	Critical Investigation of Wear Behaviour of WC Drill Bit Buttons. Rock Mechanics and Rock Engineering, 2013, 46, 169-177.	5.4	21
132	Developing green supply chain system for Indian enterprises. International Journal of Business Excellence, 2013, 6, 270.	0.3	7
133	Critical Assessment of Temperature Distribution in Submerged Arc Welding Process. Advances in Materials Science and Engineering, 2013, 2013, 1-9.	1.8	18
134	Prediction of Weld Bead Parameters, Transient Temperature Distribution & HAZ Width of Submerged Arc Welded Structural Steel Plates. Defect and Diffusion Forum, 2012, 326-328, 405-409.	0.4	7
135	Assessment of Heat Affected Zone of Submerged Arc Welding Process through Digital Image Processing. Defect and Diffusion Forum, 2012, 326-328, 400-404.	0.4	1
136	Sustainable Supply Chain Management: A Case Study From Indian Automotive Industry. Advanced Materials Research, 2012, 472-475, 3359-3370.	0.3	0
137	Sustainable supply chain: vendor and customer participation. International Journal of Modelling in Operations Management, 2012, 2, 360.	0.0	1
138	Analysis of the Influence of the Heat Input and Bead Volume on HAZ Hardness for Submerged Arc Welding Process of Mild Steel Plates. Advanced Materials Research, 2011, 284-286, 2469-2472.	0.3	0
139	Estimation of temperature distribution on submerged arc welded plates through conical heat distribution technique. International Journal of Computational Materials Science and Surface Engineering, 2011, 4, 281.	0.2	1
140	Multi response optimization of process parameters based on Taguchi's Fuzzy model for coal cutting by water jet technology. International Journal of Advanced Manufacturing Technology, 2011, 56, 1019-1025.	3.0	65
141	Assessment of Heat Affected Zone of Submerged Arc Welding Process through Digital Image Processing. Procedia Engineering, 2011, 10, 2782-2785.	1.2	12
142	Critical Analysis of Confounded Parameters of SAW Process. Procedia Engineering, 2011, 10, 2786-2790.	1.2	6
143	Effect of Heat input on Submerged Arc Welded Plates. Procedia Engineering, 2011, 10, 2791-2796.	1.2	6
144	Prediction of Submerged Arc Welding Yield Parameters through Graphical Technique. Procedia Engineering, 2011, 10, 2797-2802.	1.2	17

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145	Prediction of Temperature Distribution on Submerged Arc Welded Plates through Gaussian Heat Distribution Technique. Advanced Materials Research, 2011, 284-286, 2477-2480.	0.3	1
146	Prediction of Heat Distribution Shape and Nozzle Diameter of Plasma Arc Cutter. Advanced Materials Research, 2011, 284-286, 2465-2468.	0.3	0
147	Prediction of HAZ Width of Submerged Arc Welded Plates. Advanced Materials Research, 2011, 284-286, 2481-2484.	0.3	4
148	3 rd Degree Mathematical Model Appropriate for Parametric Estimation of SAW Process. Advanced Materials Research, 2011, 284-286, 2473-2476.	0.3	0
149	Analytical solution for transient temperature distribution of semi -infinite body subjected to 3-D moving heat source of submerged Arc Welding process. , 2010, , .		2
150	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
151	Idealisation and Formulation in Structural Dynamics Using Modal Analysis. Advanced Materials Research, 0, 418-420, 1022-1025.	0.3	0
152	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
153	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
154	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
155	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