

Arshad N Siddiquee

List of Publications by Year in descending order

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182
papers

5,242
citations

147726

31
h-index

175177

52
g-index

190
all docs

190
docs citations

190
times ranked

4181
citing authors

#	ARTICLE	IF	CITATIONS
1	Additive Manufacturing Technologies. , 2015, , .		1,276
2	Surface treatments of plant fibers and their effects on mechanical properties of fiber-reinforced composites: A review. Journal of Reinforced Plastics and Composites, 2019, 38, 15-30.	1.6	164
3	Aluminium based in-situ composite fabrication through friction stir processing: A review. Journal of Alloys and Compounds, 2017, 715, 91-104.	2.8	149
4	Investigations on tunneling and kissing bond defects in FSW joints for dissimilar aluminum alloys. Journal of Alloys and Compounds, 2015, 648, 360-367.	2.8	145
5	Surface Modifications of Titanium Materials for developing Corrosion Behavior in Human Body Environment: A Review. , 2014, 6, 1610-1618.		129
6	A Review of Recent Progress in Solid State Fabrication of Composites and Functionally Graded Systems Via Friction Stir Processing. Critical Reviews in Solid State and Materials Sciences, 2018, 43, 334-366.	6.8	118
7	Review on underwater friction stir welding: A variant of friction stir welding with great potential of improving joint properties. Transactions of Nonferrous Metals Society of China, 2018, 28, 193-219.	1.7	109
8	Grey relational analysis coupled with principal component analysis for optimisation design of the process parameters in in-feed centreless cylindrical grinding. International Journal of Advanced Manufacturing Technology, 2010, 46, 983-992.	1.5	105
9	Issues and strategies in composite fabrication via friction stir processing: A review. Materials and Manufacturing Processes, 2018, 33, 239-261.	2.7	105
10	Mechanical and microstructural behavior of friction stir welded similar and dissimilar sheets of AA2219 and AA7475 aluminium alloys. Journal of Alloys and Compounds, 2017, 695, 2902-2908.	2.8	101
11	Friction stir welding of aluminum to copper—An overview. Transactions of Nonferrous Metals Society of China, 2017, 27, 2113-2136.	1.7	98
12	A Review on Recent Progress in Solid State Friction Based Metal Additive Manufacturing: Friction Stir Additive Techniques. Critical Reviews in Solid State and Materials Sciences, 2019, 44, 345-377.	6.8	90
13	Aluminum alloys in marine construction: characteristics, application, and problems from a fabrication viewpoint. Marine Systems and Ocean Technology, 2020, 15, 70-80.	0.5	79
14	Effect of tool plunge depth on reinforcement particles distribution in surface composite fabrication via friction stir processing. Defence Technology, 2017, 13, 86-91.	2.1	77
15	Experimental investigation on deformation and wear of WC tool during friction stir welding (FSW) of stainless steel. International Journal of Advanced Manufacturing Technology, 2014, 73, 479-486.	1.5	74
16	Cold Metal Transfer (CMT) Based Wire and Arc Additive Manufacture (WAAM) System. Journal of Surface Investigation, 2018, 12, 1278-1284.	0.1	74
17	Multi-response optimization of diesel engine performance parameters using thumba biodiesel-diesel blends by applying the Taguchi method and grey relational analysis. International Journal of Automotive Technology, 2011, 12, 599-610.	0.7	71
18	Feasibility study of use of recycled High Density Polyethylene and multi response optimization of injection moulding parameters using combined grey relational and principal component analyses. Materials & Design, 2010, 31, 2925-2931.	5.1	67

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19	Multi-response optimization of wire electrical discharge machining process parameters for Al ₇₀ Si ₃₀ hybrid composite using Taguchi-based grey relational analysis. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2015, 229, 229-237.	1.5	64
20	Multipass FSP on AA6063-T6 Al: Strategy to fabricate surface composites. Materials and Manufacturing Processes, 2018, 33, 805-811.	2.7	60
21	In-situ wire-feed additive manufacturing of Cu-Al alloy by addition of silicon. Applied Surface Science, 2019, 487, 1366-1375.	3.1	60
22	Material stirring during FSW of Al-Cu: Effect of pin profile. Materials and Manufacturing Processes, 2018, 33, 786-794.	2.7	59
23	The fabrication of NiTi shape memory alloy by selective laser melting: a review. Rapid Prototyping Journal, 2019, 25, 1421-1432.	1.6	55
24	Distribution of reinforcement particles in surface composite fabrication via friction stir processing: Suitable strategy. Materials and Manufacturing Processes, 2018, 33, 262-269.	2.7	53
25	Microstructure, mechanical properties and electrochemical behavior of a novel biomedical titanium alloy subjected to thermo-mechanical processing including aging. Journal of Alloys and Compounds, 2015, 634, 272-280.	2.8	48
26	Investigating Effects of Groove Dimensions on Microstructure and Mechanical Properties of AA6063/SiC Surface Composites Produced by Friction Stir Processing. Transactions of the Indian Institute of Metals, 2017, 70, 809-816.	0.7	48
27	Effect of Shoulder Diameter to Pin Diameter (D/d) Ratio on Tensile Strength of Friction Stir Welded 6063 Aluminium Alloy. Materials Today: Proceedings, 2015, 2, 1450-1457.	0.9	47
28	Selection of E-learning websites using a novel Proximity Indexed Value (PIV) MCDM method. Journal of Computers in Education, 2019, 6, 241-256.	5.0	46
29	Multi Response Optimization of Wire Electrical Discharge Machining Process Parameters Using Taguchi based Grey Relational Analysis. , 2014, 6, 1683-1695.		45
30	Optimization of Deep Drilling Process Parameters of AISI 321 Steel Using Taguchi Method. , 2014, 6, 1217-1225.		44
31	Analysis of defects in clean fabrication process of friction stir welding. Transactions of Nonferrous Metals Society of China, 2017, 27, 1507-1516.	1.7	43
32	Investigation on friction stir welding of hybrid composites fabricated on Al-Zn-Mg-Cu alloy through friction stir processing. Journal of Materials Research and Technology, 2019, 8, 3733-3740.	2.6	40
33	Investigation on the Effects of Silicon Carbide and Cooling Medium during Multi-Pass FSP of Al-Mg/SiC Surface Composites. Silicon, 2019, 11, 2149-2157.	1.8	40
34	Effect of wire tension on different output responses during wire electric discharge machining on AISI 304 stainless steel. Defence Technology, 2019, 15, 541-544.	2.1	38
35	Analysis of process parameters effects on underwater friction stir welding of aluminum alloy 6082-T6. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2019, 233, 1700-1710.	1.5	36
36	Process parameters optimization for enhanced microhardness of AA 6061/ SiC surface composites fabricated via Friction Stir Processing (FSP). Materials Today: Proceedings, 2016, 3, 4151-4156.	0.9	34

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37	Investigation on the Effect of Tool Pin Profiles on Mechanical and Microstructural Properties of Friction Stir Butt and Scarf Welded Aluminium Alloy 6063. <i>Metals</i> , 2018, 8, 74.	1.0	33
38	Wire electrical discharge machining of AA7075/SiC/Al ₂ O ₃ hybrid composite fabricated by inert gas-assisted electromagnetic stir-casting process. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2014, 36, 335-346.	0.8	32
39	RSM based Study of Cutting Temperature During Hard Turning with Multilayer Coated Carbide Insert. , 2014, 6, 1233-1242.		32
40	Friction Stir Welds of Al Alloy-Cu: An Investigation on Effect of Plunge Depth. <i>Archive of Mechanical Engineering</i> , 2016, 63, 619-634.	0.7	32
41	Investigation on material mixing during FSW of AA7475 to AISI304. <i>Materials and Manufacturing Processes</i> , 2019, 34, 192-200.	2.7	32
42	A review of turning of hard steels used in bearing and automotive applications. <i>Production and Manufacturing Research</i> , 2014, 2, 24-49.	0.9	31
43	Influence of tool pin and shoulder geometries on microstructure of friction stir processed AA6063/SiC composites. <i>Mechanics and Industry</i> , 2018, 19, 211.	0.5	31
44	Ranking model of total quality management enablers in healthcare establishments using the best-worst method. <i>TQM Journal</i> , 2019, 31, 790-814.	2.1	31
45	Investigating the Effects of SiC Particle Sizes on Microstructural and Mechanical Properties of AA5059/SiC Surface Composites During Multi-Pass FSP. <i>Silicon</i> , 2019, 11, 797-805.	1.8	29
46	An Investigation of the Micro-Electrical Discharge Machining of Nickel-Titanium Shape Memory Alloy Using Grey Relations Coupled with Principal Component Analysis. <i>Metals</i> , 2017, 7, 486.	1.0	28
47	Investigations on the effect of wire EDM process parameters on surface integrity of HSLA: a multi-performance characteristics optimization. <i>Production and Manufacturing Research</i> , 2014, 2, 501-518.	0.9	27
48	Towards applications, processing and advancements in shape memory alloy and its composites. <i>Journal of Manufacturing Processes</i> , 2020, 59, 205-222.	2.8	27
49	Optimization of surface integrity in dry hard turning using RSM. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2014, 39, 1035-1053.	0.8	26
50	Influence of slab milling process parameters on surface integrity of HSLA: a multi-performance characteristics optimization. <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 61, 859-871.	1.5	25
51	Effect of varying spatial orientations on build time requirements for FDM process: A case study. <i>Defence Technology</i> , 2017, 13, 92-100.	2.1	24
52	Novel Use of Distribution Facilitators and Time-temperature Range for Strengthening in Surface Composites on AA7050-T7451. <i>Metallography, Microstructure, and Analysis</i> , 2018, 7, 561-577.	0.5	24
53	Analysis of Microstructural Changes in Enhancement of Surface Properties in Sheet Forming of Al alloys via Friction Stir Processing. <i>Materials Today: Proceedings</i> , 2017, 4, 452-458.	0.9	23
54	Friction Stir Welding of Thick AA2519 Alloy: Defect Elimination, Mechanical and Micro-Structural Characterization. <i>Metals and Materials International</i> , 2020, 26, 1841-1860.	1.8	23

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55	Analysis of cooling media effects on microstructure and mechanical properties during FSW/UFSW of AA 6082-T6. <i>Materials Research Express</i> , 2018, 5, 046512.	0.8	22
56	Friction Stir Welding of Austenitic Stainless Steel: A Study on Microstructure and Effect of Parameters on Tensile Strength. <i>Materials Today: Proceedings</i> , 2015, 2, 1388-1397.	0.9	21
57	A comprehensive review on wire EDM performance evaluation. <i>Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering</i> , 2022, 236, 1724-1746.	1.4	20
58	Another Approach to Characterize Particle Distribution during Surface Composite Fabrication Using Friction Stir Processing. <i>Metals</i> , 2018, 8, 568.	1.0	19
59	Effect of CaF ₂ , FeMn and NiO additions on impact strength and hardness in submerged arc welding using developed agglomerated fluxes. <i>Journal of Alloys and Compounds</i> , 2016, 667, 158-169.	2.8	18
60	Optimisation of friction stir processing parameters to fabricate AA6063/SiC surface composites using Taguchi technique. <i>International Journal of Materials and Product Technology</i> , 2019, 58, 16.	0.1	18
61	Review on effect of flux composition on its behavior and bead geometry in submerged arc welding (SAW). <i>Journal of Mechanical Engineering Research</i> , 2013, 5, 123-127.	0.4	16
62	Issues and Requirements for Aluminum Alloys Used in Aircraft Components: State of the Art. <i>Russian Journal of Non-Ferrous Metals</i> , 2021, 62, 212-225.	0.2	16
63	Multi-response optimization of friction stir welding process parameters for dissimilar joining of Al6101 to pure copper using standard deviation based TOPSIS method. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 6473-6482.	1.1	15
64	Investigation on Effect of Strain Rate and Heat Generation on Traverse Force in FSW of Dissimilar Aerospace Grade Aluminium Alloys. <i>Materials</i> , 2019, 12, 1641.	1.3	15
65	ISM-MICMAC approach for evaluating the critical success factors of 5S implementation in manufacturing organisations. <i>International Journal of Business Excellence</i> , 2020, 20, 521.	0.2	15
66	A road map for the implementation of integrated JIT-lean practices in Indian manufacturing industries using the best-worst method approach. <i>Journal of Industrial and Production Engineering</i> , 2020, 37, 275-291.	2.1	15
67	T-FSW of Dissimilar Aerospace Grade Aluminium Alloys: Influence of Second Pass on Weld Defects. <i>Metals</i> , 2020, 10, 525.	1.0	15
68	The effect of layout design on productivity: an empirical study. <i>International Journal of Productivity and Quality Management</i> , 2011, 7, 484.	0.1	14
69	Effect Of Different Tool Pin Profiles On The Joint Quality Of Friction Stir Welded AA 6063. <i>Materials Today: Proceedings</i> , 2018, 5, 4175-4182.	0.9	14
70	Microstructures and their distribution within HAZ of X80 pipeline steel welded using hybrid laser-MIG welding. <i>Welding in the World, Le Soudage Dans Le Monde</i> , 2018, 62, 721-727.	1.3	14
71	Proposing a new relation for selecting tool pin length in friction stir welding process. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 129, 112-118.	2.5	14
72	Flow, process forces and strains during Friction Stir Welding: A comprehensive First principle approach. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2021, 235, 912-924.	1.5	14

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73	Influence of multiple-passes on microstructure and mechanical properties of Al-Mg/SiC surface composites fabricated via underwater friction stir processing. <i>Materials Research Express</i> , 2018, 5, 066511.	0.8	13
74	Microstructural features of friction stir welded dissimilar Aluminium alloys AA2219-AA7475. <i>Materials Research Express</i> , 2018, 5, 056531.	0.8	13
75	Friction stir welding of AA-5754 in water and air: a comparative study. <i>Materials Research Express</i> , 2019, 6, 016545.	0.8	12
76	Foaming of friction stir processed Al/MgCO ₃ precursor via flame heating. <i>Materials Research Express</i> , 2020, 7, 026515.	0.8	12
77	Identification, ranking and prioritisation of vital environmental sustainability indicators in manufacturing sector using pareto analysis cum best-worst method. <i>International Journal of Sustainable Engineering</i> , 2021, 14, 226-244.	1.9	12
78	Effect of process parameters on microstructure and electrical conductivity during FSW of Al-6101 and Pure Copper. <i>Materials Research Express</i> , 2018, 5, 046519.	0.8	11
79	Optimising Parameters for Expanded Polystyrene Based Pod Production Using Taguchi Method. <i>Mathematics</i> , 2019, 7, 847.	1.1	11
80	A new fuzzy multi-criteria decision-making method based on proximity index value. <i>Journal of Industrial and Production Engineering</i> , 2022, 39, 42-58.	2.1	11
81	Microstructure and enhanced tensile properties of AlCo CrFeNi high entropy alloys with high Co content fabricated by laser melting deposition. <i>Journal of Alloys and Compounds</i> , 2022, 917, 165403.	2.8	11
82	Investigation of surface integrity during wet turning of hard alloy steel. <i>International Journal of Machining and Machinability of Materials</i> , 2014, 16, 22.	0.1	10
83	Friction stir welding: A sustainable manufacturing process. <i>Materials Today: Proceedings</i> , 2021, 46, 6558-6563.	0.9	10
84	Precipitation-dependent corrosion analysis of heat treatable aluminum alloys via friction stir welding, a review. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 7600-7626.	1.1	10
85	Friction based solid state welding – A review. <i>Materials Today: Proceedings</i> , 2022, 62, 55-62.	0.9	10
86	An investigation on effects of wire electrical discharge machining parameters on surface roughness of newly developed hybrid metal matrix composite. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2014, 228, 653-662.	1.5	9
87	Influence of thermomechanical processing on biomechanical compatibility and electrochemical behavior of new near beta alloy, Ti-20.6Nb-13.6Zr-0.5V. <i>International Journal of Nanomedicine</i> , 2015, 10 Suppl 1, 223.	3.3	9
88	Optimization of wire electrical discharge machining process parameters on material removal rate for Al7075/SiC/Al ₂ O ₃ hybrid composite. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2015, 229, 802-812.	1.5	9
89	Prioritizing decision criteria of flexible manufacturing systems using fuzzy TOPSIS. <i>Journal of Manufacturing Technology Management</i> , 2017, 28, 913-927.	3.3	9
90	Microstructure evolution of Friction Stir Welded Dissimilar Aerospace Aluminium Alloys. <i>IOP Conference Series: Materials Science and Engineering</i> , 0, 404, 012002.	0.3	9

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91	Microstructural characterization and in-process traverse force during friction stir welding of austenitic stainless steel. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 1031-1043.	1.1	9
92	Microstructure evolution of additively manufactured CoCrFeNiAl _{0.4} high-entropy alloy under thermo-mechanical processing. Journal of Materials Research and Technology, 2022, 16, 442-450.	2.6	9
93	A simulation-based study on the effect of underwater friction stir welding process parameters using different evolutionary optimization algorithms. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 643-657.	1.1	8
94	Fabrication of Magnesium-NiTi Composites via Friction Stir Processing: Effect of Tool Profile. Metals, 2020, 10, 1425.	1.0	8
95	Application of Grey Relational Analysis Along with Principal Component Analysis for Multi-Response Optimization of Hard Turning. SSRG International Journal of Engineering Trends and Technology, 2016, 38, 238-245.	0.3	8
96	Experimental study on effect of flux composition on element transfer during submerged arc welding. Sadhana - Academy Proceedings in Engineering Sciences, 2018, 43, 1.	0.8	7
97	Investigation on underwater FSP of Al-Mg-Si alloy surface composites. Materials Research Express, 2019, 6, 026520.	0.8	7
98	The Effect of Tool Design on the Friction Stir Welding of Thick Aluminum Alloy AA6082-T651 Extruded Flats. Metallography, Microstructure, and Analysis, 2020, 9, 841-855.	0.5	7
99	Characterization of Ti-Al Intermetallic Synthesized by Mechanical Alloying Process. Metals and Materials International, 2021, 27, 2378.	1.8	7
100	Analysis of tool wear and deformation in friction stir welding of unequal thickness dissimilar Al alloys. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 501-512.	0.7	7
101	Friction stir engineering for fabrication of ultra-refined CuNiMgZn alloys. Materials Letters, 2021, 291, 129596.	1.3	7
102	Towards Mg Based Light Materials of Future: Properties, Applications, Problems, and Their Mitigation. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2022, 144, .	1.3	7
103	Al Alloy Tailor-Welded Blanks Fabrication via Friction Stir Welding: Effect of Shoulder Size. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2022, 144, .	1.3	7
104	Friction Stir Welding of Thick Plates of 4Y3Gd Mg Alloy: An Investigation of Microstructure and Mechanical Properties. Materials, 2021, 14, 6924.	1.3	7
105	A comparative study on friction stir welding of tailor weld blanks. Materials Science and Technology, 2022, 38, 1276-1289.	0.8	7
106	Selection of optimal condition for finishing of centreless-cylindrical ground parts using grey relational and principal component analyses. International Journal of Materials and Product Technology, 2012, 43, 2.	0.1	6
107	Investigation and optimisation of machining parameters for micro-countersinking of AISI 420 stainless steel. International Journal of Machining and Machinability of Materials, 2013, 14, 230.	0.1	6
108	Analysis of chip morphology in dry hard turning of AISI 52100 alloy steel using RSM. International Journal of Machining and Machinability of Materials, 2015, 17, 481.	0.1	6

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109	Influence of thermo-mechanical processing on microstructure, mechanical properties and corrosion behavior of a new metastable β -titanium biomedical alloy. <i>Bulletin of Materials Science</i> , 2015, 38, 247-258.	0.8	6
110	Effect of Flux Composition on the Percentage Elongation and Tensile Strength of Welds in Submerged Arc Welding. <i>Archive of Mechanical Engineering</i> , 2016, 63, 337-354.	0.7	6
111	Improvements in strength and microstructural behaviour of friction stir welded 7475 aluminium alloy using in-process cooling. <i>Materials Research Express</i> , 2018, 5, 076518.	0.8	6
112	Fabrication of promising material β -titanium aluminide™: methods and issues (a status report). <i>Materials Research Express</i> , 2018, 5, 116504.	0.8	6
113	Prioritization of lower back pain risk factors among industrial workers using the best-worst method. <i>International Journal of Occupational Safety and Ergonomics</i> , 2021, 27, 544-551.	1.1	6
114	Effect of tool rotational speed on microstructure and mechanical properties of friction stir processed AA5083/Fe-Al in-situ composite. <i>Materials Today: Proceedings</i> , 2021, 46, 6496-6500.	0.9	6
115	The Effect of Wire Feeding Speed on Solidification Cracking of CMT Welding for Al-Si Alloys. <i>Metals</i> , 2021, 11, 267.	1.0	6
116	Performance Evaluation of a Medium Capacity Diesel Engine on Thumba Biodiesel and Diesel Blends. <i>Journal of Biofuels</i> , 2010, 1, 172.	0.1	6
117	Friction stir welding and friction stir spot welding of polymethyl methacrylate (PMMA) to other materials: A review. <i>Materials Today: Proceedings</i> , 2022, 62, 220-225.	0.9	6
118	Effects of Welding Parameters in Friction Stir Welding of Stainless Steel and Aluminum. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 815-823.	0.3	5
119	Multi-response optimization for Nimonic alloy miniature gear fabrication using wire electrical discharge machining. <i>Advances in Mechanical Engineering</i> , 2020, 12, 168781402096758.	0.8	5
120	Defect formation during dissimilar aluminium friction stir welded T-joints. <i>Mechanics and Industry</i> , 2020, 21, 205.	0.5	5
121	Challenges in joining of unequal thickness materials for aerospace applications: A review. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021, 235, 934-945.	0.7	5
122	The impact of variety of orders and different number of workers on production scheduling performance. <i>Journal of Manufacturing Technology Management</i> , 2013, 24, 1123-1142.	3.3	4
123	Understanding the dissimilar friction stir welding through force and temperature evolution. <i>Materials Today: Proceedings</i> , 2018, 5, 17125-17131.	0.9	4
124	On Novel Copper Based Alloys Development via Friction Stir Alloying. <i>Crystals</i> , 2021, 11, 498.	1.0	4
125	Micro-hardness and Young's modulus of a thermo-mechanically processed biomedical titanium alloy. <i>Biomaterials and Biomechanics in Bioengineering</i> , 2014, 1, 117-130.	0.1	4
126	Surface nanocomposite fabrication on AA6063 aluminium alloy using friction stir processing: an investigation into the effect of the tool-shoulder diameter on the composite microstructure. <i>Materiali in Tehnologije</i> , 2018, 52, 77-82.	0.3	4

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127	Fabrication of surface composites on different aluminium alloys via friction stir process - A review report. Australian Journal of Mechanical Engineering, 0, , 1-24.	1.5	4
128	Joining of aluminium matrix composites using friction stir welding: A review. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2022, 236, 917-932.	0.7	4
129	Assembly line conversion approach: a simulation evaluation. International Journal of Agile Systems and Management, 2011, 4, 342.	0.6	3
130	Effect of different dielectric fluids on material removal rate, surface roughness, kerf width and microhardness. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	0.8	3
131	Investigation on the in-process traverse force evolution during surface composites fabrication on Al-Zn-Mg-Cu alloy through friction stir processing. Materials Today: Proceedings, 2020, 25, 686-690.	0.9	3
132	Quantifying the factors affecting the 5S implementation in manufacturing organisations using graph theory and matrix method. International Journal of Services and Operations Management, 2020, 37, 90.	0.1	3
133	Thermal shield of the zero-boil-off cryostat for a 1.5T magnetic resonance imaging magnet. Cryogenics, 2021, 116, 103301.	0.9	3
134	Al Alloy Tailor Welded Blank Fabrication by Friction Stir Welding: Effect of Double-Pass. Journal of Materials Engineering and Performance, 0, , 1.	1.2	3
135	Improvement in joint efficiency with high productivity and narrow weld formation in friction stir welding. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0, , 095440892110424.	1.4	3
136	The Effects of In-Process Cooling during Friction Stir Welding of 7475 Aluminium Alloy. Sains Malaysiana, 2021, 50, 2743-2754.	0.3	3
137	Application of Response Surface Methodology for Determining Cutting Forces in Hard Turning Using Castrol Coolant. International Journal of Advanced Materials Manufacturing and Characterization, 2013, 3, 27-35.	0.2	3
138	Optimisation of friction stir processing parameters to fabricate AA6063/SiC surface composites using Taguchi technique. International Journal of Materials and Product Technology, 2019, 58, 16.	0.1	3
139	An Insight into High Entropy Alloys with a Focus on Friction Stir Processing. IOP Conference Series: Materials Science and Engineering, 2022, 1222, 012009.	0.3	3
140	Parametric studies of friction stir welding with tool using a vibrating shoulder. Materials Today: Proceedings, 2022, 62, 70-76.	0.9	3
141	RSM Based Investigations on the Effects of Cutting Parameters on Surface Integrity during Cryogenic Hard Turning of AISI 52100. Journal for Manufacturing Science and Production, 2015, 15, 309-318.	0.1	2
142	Optimization of FSW Process Parameters During Joining of Al to Cu Using Taguchi-Based GA. Lecture Notes in Mechanical Engineering, 2019, , 833-842.	0.3	2
143	Fracture behaviour of friction stir welded dissimilar aluminium alloys. Materials Today: Proceedings, 2021, 46, 6688-6691.	0.9	2
144	Corrosion in Biomedical Grade Titanium Based Materials: A Review. Indian Journal of Applied Research, 2011, 3, 206-210.	0.0	2

#	ARTICLE	IF	CITATIONS
145	Electrochemical Corrosion Behavior of X65 Pipeline Steel Joints Welded by Low Temperature Phase Transformation Electrodes. <i>Journal of Surface Investigation</i> , 2020, 14, 1097-1111.	0.1	2
146	Mobile computing with special reference to readability task under the impact of vibration, colour combination and gender. <i>Journal of Human Ergology</i> , 2008, 37, 57-66.	0.1	2
147	Microstructural investigation on friction stir welded AA6063 pipe. <i>Materials Today: Proceedings</i> , 2022, , .	0.9	2
148	Friction stir welds of aluminium alloy pipes: an investigation of defects and mechanical properties. <i>Advances in Materials and Processing Technologies</i> , 2023, 9, 169-185.	0.8	2
149	Investigations on the Effect of CNC Dry Hard Turning Process Parameters on Surface Integrity: A Multi-performance Characteristics Optimization. <i>Journal for Manufacturing Science and Production</i> , 2014, 14, 23-30.	0.1	1
150	Microstructural characterization and tribological behavior of surface composites fabricated on AA7050-T7451 alloy via friction stir processing. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2021, 235, 351-359.	1.0	1
151	Analysing the barriers to successful implementation of total quality management in Indian manufacturing organisations using best-worst method. <i>International Journal of Business Excellence</i> , 2021, 24, 275.	0.2	1
152	Multiple Response Optimization of Dimensional Accuracy of Nimonic Alloy Miniature Gear Machined on Wire Edm Using Entropy Topsis Andpareto Anova. <i>CMES - Computer Modeling in Engineering and Sciences</i> , 2021, 126, 241-259.	0.8	1
153	Optimization of friction stir processing parameters for enhanced microhardness of AA5083/Al-Fe in-situ composites via Taguchi technique. <i>Material Science, Engineering and Applications</i> , 2021, 1, 55-61.	0.3	1
154	Shape memory alloy based NiTi reinforced functionally graded material for vibration damping. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 0, , 146442072110355.	0.7	1
155	Friction Deposition-Based Additive Manufacturing Techniques. , 2018, , 75-96.		1
156	General Introduction and Need of Friction Based Additive Manufacturing Techniques. , 2018, , 1-9.		1
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