

Janakarajan Ramkumar

List of Publications by Year in descending order

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156
papers

3,469
citations

147566

31
h-index

197535

49
g-index

158
all docs

158
docs citations

158
times ranked

2318
citing authors

#	ARTICLE	IF	CITATIONS
1	Nano-Cutting Fluid for Enhancement of Metal Cutting Performance. <i>Materials and Manufacturing Processes</i> , 2012, 27, 963-967.	2.7	192
2	Transparent broadband metamaterial absorber based on resistive films. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	121
3	Aluminum Substituted Cobalt Ferrite (Co ²⁺ Al ³⁺ Fe) Nano Adsorbent for Arsenic Adsorption in Aqueous Systems and Detailed Redox Behavior Study with XPS. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 11587-11598.	4.0	97
4	An Optically Transparent Broadband Microwave Absorber Using Interdigital Capacitance. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2019, 18, 113-117.	2.4	96
5	Rotational abrasive flow finishing (R-AFF) process and its effects on finished surface topography. <i>International Journal of Machine Tools and Manufacture</i> , 2010, 50, 637-650.	6.2	87
6	Experimental investigations into rotating workpiece abrasive flow finishing. <i>Wear</i> , 2009, 267, 43-51.	1.5	86
7	Performance evaluation and rheological characterization of newly developed butyl rubber based media for abrasive flow machining process. <i>Journal of Materials Processing Technology</i> , 2009, 209, 2212-2221.	3.1	84
8	Rheological characterization of styrene-butadiene based medium and its finishing performance using rotational abrasive flow finishing process. <i>International Journal of Machine Tools and Manufacture</i> , 2011, 51, 947-957.	6.2	74
9	Experimental investigation and mechanism of material removal in nano finishing of MMCs using abrasive flow finishing (AFF) process. <i>Wear</i> , 2009, 266, 688-698.	1.5	73
10	Numerical simulation of melt hydrodynamics induced hole blockage in Quasi-CW fiber laser micro-drilling of TiAl6V4. <i>Journal of Materials Processing Technology</i> , 2018, 262, 131-148.	3.1	72
11	An enhancement of the machining performance of GFRP by oscillatory assisted drilling. <i>International Journal of Advanced Manufacturing Technology</i> , 2004, 23, 240-244.	1.5	71
12	The effect of process parameters on machining of magnesium nano alumina composites through EDM. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 46, 1035-1042.	1.5	70
13	Micro electric discharge milling process performance: An experimental investigation. <i>International Journal of Machine Tools and Manufacture</i> , 2010, 50, 718-727.	6.2	69
14	Effect of workpiece vibration on drilling of GFRP laminates. <i>Journal of Materials Processing Technology</i> , 2004, 152, 329-332.	3.1	65
15	A new multi-objective Jaya algorithm for optimization of modern machining processes. <i>Advances in Production Engineering and Management</i> , 2016, 11, 271-286.	0.8	63
16	Experimental investigations and modeling of drill bit-guided abrasive flow finishing (DBG-AFF) process. <i>International Journal of Advanced Manufacturing Technology</i> , 2009, 42, 678-688.	1.5	62
17	Micro texturing on metallic surfaces: State of the art. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2018, 232, 941-964.	1.5	60
18	Arsenic remediation onto redox and photo-catalytic/electrocatalytic Mn-Al-Fe impregnated rGO: Sustainable aspects of sludge as supercapacitor. <i>Chemical Engineering Journal</i> , 2020, 390, 124000.	6.6	59

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19	Enhanced tribological performances of zinc oxide/MWCNTs hybrid nanomaterials as the effective lubricant additive in engine oil. <i>Materials Chemistry and Physics</i> , 2020, 253, 123447.	2.0	49
20	Aluminum substituted nickel ferrite (Ni ϵ Al ϵ Fe): a ternary metal oxide adsorbent for arsenic adsorption in aqueous medium. <i>RSC Advances</i> , 2016, 6, 55608-55617.	1.7	47
21	Redox synergistic Mn-Al-Fe and Cu-Al-Fe ternary metal oxide nano adsorbents for arsenic remediation with environmentally stable As(0) formation. <i>Journal of Hazardous Materials</i> , 2019, 364, 519-530.	6.5	45
22	Topographical effects of laser surface texturing on various time-dependent wetting regimes in Ti6Al4V. <i>Surface and Coatings Technology</i> , 2018, 349, 816-829.	2.2	43
23	Preferential Media for Abrasive Flow Machining. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2009, 131, .	1.3	42
24	Electrochemical micro texturing on flat and curved surfaces: simulation and experiments. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 100, 1269-1286.	1.5	41
25	Comparative study of the influence of graphene nanoplatelets filler on the mechanical and tribological behavior of glass fabric ϵ reinforced epoxy composites. <i>Polymer Composites</i> , 2020, 41, 5403-5417.	2.3	41
26	Erosion Wear Behavior of TiCN?Ni Cermets Containing Secondary Carbides (WC/NbC/TaC). <i>Journal of the American Ceramic Society</i> , 2006, 89, 3827-3831.	1.9	40
27	Numerical simulation of melt pool oscillations and protuberance in pulsed laser micro melting of SS304 for surface texturing applications. <i>Journal of Manufacturing Processes</i> , 2019, 39, 282-294.	2.8	40
28	Wire electrochemical micromachining: An overview. <i>International Journal of Machine Tools and Manufacture</i> , 2020, 155, 103579.	6.2	40
29	Analysis of transient thermo-fluidic behavior of melt pool during spot laser welding of 304 stainless-steel. <i>Journal of Materials Processing Technology</i> , 2018, 256, 109-120.	3.1	37
30	On the effect of relative size of magnetic particles and abrasive particles in MR fluid-based finishing process. <i>Machining Science and Technology</i> , 2018, 22, 493-506.	1.4	35
31	Mechanical Analysis of Nickel Particle-Coated Carbon Fiber-Reinforced Epoxy Composites for Advanced Structural Applications. <i>ACS Applied Nano Materials</i> , 2018, 1, 4332-4339.	2.4	35
32	Single step laser surface texturing for enhancing contact angle and tribological properties. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 100, 1253-1267.	1.5	33
33	A Study on Machinability of B-Modified Ti-6Al-4V Alloys by EDM. <i>Materials and Manufacturing Processes</i> , 2012, 27, 348-354.	2.7	32
34	Experimental investigations into nanofinishing of Ti6Al4V flat disc using magnetorheological finishing process. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 100, 1055-1065.	1.5	32
35	Impact of policy instruments on lead-acid battery recycling: A system dynamics approach. <i>Resources, Conservation and Recycling</i> , 2021, 169, 105528.	5.3	32
36	A study on selective laser melting (SLM) of TiC and B4C reinforced IN718 metal matrix composites (MMCs). <i>Journal of Alloys and Compounds</i> , 2022, 901, 163527.	2.8	32

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37	A simulation based approach to realize green factory from unit green manufacturing processes. Journal of Cleaner Production, 2018, 182, 67-81.	4.6	31
38	Nano-finishing of cylindrical hard steel tubes using rotational abrasive flow finishing (R-AFF) process. International Journal of Advanced Manufacturing Technology, 2016, 85, 2179-2187.	1.5	29
39	Facile synthesis of Al substituted Cu-ferrite infused reduced graphene oxide (rGO) nanohybrid for improving microwave absorption at gigahertz frequencies. Journal of Alloys and Compounds, 2022, 901, 163659.	2.8	29
40	Enhancing the metallurgical properties of WC insert (K-20) cutting tool through microwave treatment. Materials Letters, 2002, 53, 200-204.	1.3	28
41	Electro-discharge machining performance of TiCN-based cermets. International Journal of Refractory Metals and Hard Materials, 2007, 25, 293-299.	1.7	28
42	Al ³⁺ -doped 3d-transitional metal (Mn/Cu) ferrite impregnated rGO for PEC water-splitting/supercapacitor electrode with oxygen vacancies and surface intercalation aspects. Composites Part B: Engineering, 2020, 202, 108431.	5.9	28
43	Reducing overcut in electrochemical micromachining process by altering the energy of voltage pulse using sinusoidal and triangular waveform. International Journal of Machine Tools and Manufacture, 2020, 151, 103526.	6.2	28
44	Plasma characterization of dry $\frac{1}{4}$ -EDM. International Journal of Advanced Manufacturing Technology, 2011, 56, 187-195.	1.5	24
45	Preliminary investigations into nano-finishing of freeform surface (femoral) using inverse replica fixture. International Journal of Advanced Manufacturing Technology, 2019, 100, 1081-1092.	1.5	24
46	Experimental and theoretical investigations into internal magnetic abrasive finishing of a revolver barrel. International Journal of Advanced Manufacturing Technology, 2019, 100, 1105-1122.	1.5	24
47	Micro-texturing on free-form surfaces using flexible-electrode through-mask electrochemical micromachining. Journal of Materials Processing Technology, 2020, 282, 116644.	3.1	24
48	Experimental Investigations into Nano-finishing of Freeform Surfaces Using Negative Replica of the Knee Joint. Procedia CIRP, 2016, 42, 793-798.	1.0	23
49	Differential finishing of freeform surfaces (knee joint) using R-MRAFF process and negative replica of workpiece as a fixture. Machining Science and Technology, 2018, 22, 671-695.	1.4	23
50	Fabrication of controlled expansion Al-Si composites by pressureless and spark plasma sintering. Advanced Powder Technology, 2018, 29, 3427-3439.	2.0	23
51	Protective trivalent Cr-based electrochemical coatings for gun barrels. Journal of Alloys and Compounds, 2018, 768, 1039-1048.	2.8	22
52	Arsenic surface complexation behavior in aqueous systems onto Al substituted Ni, Co, Mn, and Cu based ferrite nano adsorbents. Journal of Hazardous Materials, 2019, 361, 383-393.	6.5	22
53	The effects of graphene nanoplatelets on the tribological performance of glass fiber-reinforced epoxy composites. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2021, 235, 1514-1525.	1.0	22
54	Condensation of water vapor underneath an inclined hydrophobic textured surface machined by laser and electric discharge. Applied Surface Science, 2019, 484, 999-1009.	3.1	21

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55	Optically Transparent Protective Coating for ITO-Coated PET-Based Microwave Metamaterial Absorbers. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10, 378-388.	1.4	20
56	Polarization-Insensitive Optically Transparent Microwave Metamaterial Absorber Using a Complementary Layer. IEEE Antennas and Wireless Propagation Letters, 2022, 21, 163-167.	2.4	20
57	Wire Electrochemical Threading: A Technique for Fabricating Macro/Micro Thread Profiles. Journal of the Electrochemical Society, 2018, 165, E397-E405.	1.3	19
58	Insights of arsenic (III/V) adsorption and electrosorption mechanism onto multi synergistic (redox-photoelectrochemical-ROS) aluminum substituted copper ferrite impregnated rGO. Chemosphere, 2021, 267, 129246.	4.2	19
59	Fabrication and characterization of ABS nano composite reinforced by nano sized alumina particulates. International Journal of Plastics Technology, 2009, 13, 133-149.	2.9	18
60	Modelling and multi-response optimization of hole sinking electrical discharge micromachining of titanium alloy thin sheet. Journal of Mechanical Science and Technology, 2014, 28, 653-661.	0.7	18
61	Investigations into side gap in wire electrochemical micromachining (wire-ECMM). International Journal of Advanced Manufacturing Technology, 2018, 94, 4469-4478.	1.5	18
62	Medium rheological characterization and performance study during rotational abrasive flow finishing (R-AFF) of Al alloy and Al alloy/SiC MMCs. International Journal of Advanced Manufacturing Technology, 2019, 100, 1149-1163.	1.5	18
63	Modelling of Wire Electrochemical Micromachining (Wire-ECMM) process for anode shape prediction using finite element method. Electrochimica Acta, 2019, 312, 329-341.	2.6	18
64	Fabrication of a non-wettable wearable textile-based metamaterial microwave absorber. Journal Physics D: Applied Physics, 2019, 52, 385304.	1.3	18
65	Excimer laser micromachining of indium tin oxide for fabrication of optically transparent metamaterial absorbers. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	18
66	Synergistic role of carbon nanotube and yttria stabilised zirconia reinforcement on wear and corrosion resistance of Cr-based nano-composite coatings. Surface and Coatings Technology, 2020, 385, 125381.	2.2	18
67	Effect of pearlitic morphology with varying fineness on the cavitation erosion behavior of eutectoid rail steel. Ultrasonics Sonochemistry, 2021, 71, 105399.	3.8	17
68	Studies on drilling of glass/epoxy laminates using coated high-speed steel drills. Materials and Manufacturing Processes, 2002, 17, 213-222.	2.7	16
69	Surface texture evaluation using 3D reconstruction from images by parametric anisotropic BRDF. Measurement: Journal of the International Measurement Confederation, 2018, 125, 612-633.	2.5	16
70	Delamination analysis and hole quality of hybrid FRP composite using abrasive water jet machining. Materials Today: Proceedings, 2020, 33, 5653-5658.	0.9	16
71	Investigations into machining accuracy and quality in wire electrochemical micromachining under sinusoidal and triangular voltage pulse condition. Journal of Manufacturing Processes, 2021, 62, 348-367.	2.8	16
72	Simulation and experimental realization of $\frac{1}{4}$ -channels using a $\frac{1}{4}$ ED-milling process. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2011, 225, 2206-2219.	1.5	15

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73	Development of inverse replica fixture for nano-finishing of knee joint using R-MRAFF process. Journal of Micromanufacturing, 2019, 2, 35-41.	0.6	15
74	Multi-spark numerical simulation of the micro-EDM process: an extension of a single-spark numerical study. International Journal of Advanced Manufacturing Technology, 2020, 108, 2701-2715.	1.5	15
75	Rheological characterisation and performance evaluation of a new medium developed for abrasive flow finishing. International Journal of Precision Technology, 2010, 1, 302.	0.2	14
76	Excimer Laser Micromachining Using Binary Mask Projection for Large Area Patterning With Single Micrometer Features. Journal of Micro and Nano-Manufacturing, 2013, 1, .	0.8	14
77	Micro-texturing on flat and cylindrical surfaces using electric discharge micromachining. Journal of Micromanufacturing, 2021, 4, 127-137.	0.6	14
78	Quantifying Green Manufacturability of a Unit Production Process Using Simulation. Procedia CIRP, 2015, 29, 257-262.	1.0	13
79	Application of Artificial Neural Networks in Abrasive Water Jet Milling. Procedia CIRP, 2015, 37, 225-229.	1.0	13
80	Experimental investigations to enhance the machining performance of tungsten carbide tool insert using microwave treatment process. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	0.8	13
81	Nanofinishing of freeform/sculptured surfaces: state-of-the-art. Manufacturing Review, 2018, 5, 6.	0.9	13
82	Investigations into insertion force of electrochemically micro-textured hypodermic needles. International Journal of Advanced Manufacturing Technology, 2019, 100, 1311-1326.	1.5	13
83	Optimization of process parameters in nano-finishing of Co-Cr-Mo alloy knee joint. Materials and Manufacturing Processes, 2020, 35, 985-992.	2.7	13
84	Impact of nanoclay filler reinforcement on CFRP composite performance during abrasive water jet machining. Materials and Manufacturing Processes, 2021, 36, 1264-1273.	2.7	13
85	Influence of laser surface texturing on the wettability and antibacterial properties of metallic, ceramic, and polymeric surfaces. Journal of Materials Research, 2021, 36, 3985-3999.	1.2	13
86	Catalyst and its diameter dependent growth kinetics of CVD grown GaN nanowires. Materials Research Bulletin, 2012, 47, 952-956.	2.7	12
87	Comparative Assessment of the Laser Induced Plasma Micromachining and the Micro-EDM Processes. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2014, 136, .	1.3	12
88	Performance assessment of microwave treated WC insert while turning AISI 1040 steel. Journal of Mechanical Science and Technology, 2018, 32, 2551-2558.	0.7	12
89	Experimental investigation of abrasive waterjet hole cutting on hybrid carbon/glass composite. Materials Today: Proceedings, 2020, 21, 1551-1558.	0.9	12
90	The measurement of attogram mass accumulation on nanostructures during e-beam scanning, using carbon nanopillars in resonant mode. Nanotechnology, 2009, 20, 345501.	1.3	11

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91	BLOCK EDG: ISSUES AND APPLICABILITY IN MULTIPLE PASS μ ED-MILLING. <i>Machining Science and Technology</i> , 2014, 18, 120-136.	1.4	11
92	Fabrication of complex circuit on printed circuit board (PCB) using electrochemical micro-machining. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 85, 2073-2081.	1.5	10
93	Experimental and analytical investigations into wire electrochemical micro turning. <i>Journal of Micromanufacturing</i> , 2019, 2, 42-58.	0.6	10
94	Microscratching and fretting of electro-co-deposited Cr-based composite coatings with BN, graphene, and diamond reinforcements. <i>Journal of Materials Science</i> , 2021, 56, 6148-6166.	1.7	10
95	ORR performance evaluation of Al-substituted MnFe ₂ O ₄ / reduced graphene oxide nanocomposite. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 22434-22445.	3.8	10
96	Anti-reflective and hydrophobic surface of self-organized GaN nano-flowers. <i>Applied Surface Science</i> , 2011, 257, 9612-9615.	3.1	9
97	Neural Network Based Modelling and GRA Coupled PCA Optimization of Hole Sinking Electro Discharge Micromachining. <i>International Journal of Manufacturing, Materials, and Mechanical Engineering</i> , 2014, 4, 1-21.	0.3	9
98	Stress Corrosion Cracking Behavior of Interstitial Free Steel Via Slow Strain Rate Technique. <i>Journal of Materials Engineering and Performance</i> , 2016, 25, 2878-2888.	1.2	9
99	Comparative Atmospheric Corrosion Behavior of a Mild Steel and an Interstitial Free Steel. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 4497-4506.	1.2	9
100	Sustainable Electrochemical Micromachining Using Atomized Electrolyte Flushing. <i>Journal of the Electrochemical Society</i> , 2021, 168, 043504.	1.3	9
101	On altering the wetting behaviour and corrosion resistance of a large metallic surface area by wire electrochemical texturing. <i>Surface and Coatings Technology</i> , 2021, 422, 127533.	2.2	9
102	Numerical Simulation of Melt Hydrodynamics in Laser Micro Processing of Metals. <i>Procedia CIRP</i> , 2020, 95, 944-949.	1.0	9
103	EFFECT OF MICROWAVE TREATMENT ON WC INSERTS FOR DRILLING OF GFRP COMPOSITES. <i>Machining Science and Technology</i> , 2005, 9, 263-269.	1.4	8
104	Experimental Investigations to Study the Effects of Microwave Treatment Strategy on Tool Performance in Turning Operation. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 6374-6388.	1.2	8
105	Thin-wall micromachining of TiAl ₄ using micro-wire electrical discharge machining process. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	0.8	8
106	Perforated lightweight microwave metamaterial broadband absorber with discontinuous ground plane. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	7
107	A low-profile consolidated metastructure for multispectral signature management. <i>Journal of Optics (United Kingdom)</i> , 2022, 24, 035102.	1.0	7
108	3-D fabrication using electrical discharge-milling: an overview. <i>Materials and Manufacturing Processes</i> , 2022, 37, 1215-1245.	2.7	7

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109	Pressure distribution analysis of fiber reinforced plastic components made by rubber pressure moulding technique. <i>Journal of Applied Polymer Science</i> , 2007, 105, 3333-3354.	1.3	6
110	Analysis of rubber pressure molding technique to fabricate fiber reinforced plastic components. <i>Polymer Composites</i> , 2007, 28, 637-649.	2.3	6
111	Microfeature edge quality enhancement in excimer laser micromachining of metal films by coating with a sacrificial polymer layer. <i>Journal of Micromechanics and Microengineering</i> , 2015, 25, 065001.	1.5	6
112	A Mathematical Model for Determination of Limiting Blank Holding Force and Cavity Pressure in Hydromechanical Deep Drawing. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2007, 221, 155-162.	1.5	5
113	Modelling and optimisation of hole drilling electrical discharge micromachining process of Ti-6Al-4V thin sheet. <i>International Journal of Precision Technology</i> , 2013, 3, 183.	0.2	5
114	Comparison of machining performance of microwave post-heated WC insert with dry, wet and MQL cutting in turning operation. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2018, 52, 109-127.	0.4	5
115	Experimental investigation and multi-objective optimization of micro-wire electrical discharge machining of a titanium alloy using Jaya algorithm. <i>Advances in Production Engineering and Management</i> , 2019, 14, 251-263.	0.8	5
116	Micro-machining: An overview (Part II). <i>Journal of Micromanufacturing</i> , 2022, 5, 46-73.	0.6	5
117	Electrical discharge micro-texturing using compound tool electrodes for tribological and wettability applications. <i>Surface Engineering</i> , 2022, 38, 448-464.	1.1	5
118	Multi-Objective Optimization of Hole Drilling Electrical Discharge Micromachining Process Using Grey Relational Analysis Coupled with Principal Component Analysis. <i>Journal of the Institution of Engineers (India): Series C</i> , 2013, 94, 317.	0.7	4
119	Design of Broadband Microwave Absorber with 20 dB Absorption Bandwidth. , 2019, , .		4
120	Numerical modelling of ECMM of micro-dimples considering the effect of 3-phase electrolyte. <i>Journal of Micromanufacturing</i> , 2019, 2, 95-109.	0.6	4
121	Analysis of circuit current in electrochemical micromachining process under the application of different waveforms of pulsed voltage. <i>Journal of Manufacturing Processes</i> , 2022, 75, 110-124.	2.8	4
122	TEM studies on recovery and recrystallisation in Equal Channel Angular Extrusion processed Al-3%Mg alloy. <i>Transactions of the Indian Institute of Metals</i> , 2008, 61, 173-176.	0.7	3
123	Microelectric Discharge Plasma: Characterization and Applications. <i>Materials and Manufacturing Processes</i> , 2012, 27, 1208-1212.	2.7	3
124	Simulations and experiments on excimer laser micromachining of metal and polymer. <i>Journal of Micro/ Nanolithography, MEMS, and MOEMS</i> , 2014, 13, 013008.	1.0	3
125	A simplified damage prediction framework for milling of unidirectional carbon fiber-reinforced plastics. <i>Advanced Manufacturing: Polymer and Composites Science</i> , 2015, 1, 175-184.	0.2	3
126	Green Index Quantification of a Unit Manufacturing Process through Simulation Experiments. <i>Procedia CIRP</i> , 2016, 41, 1131-1136.	1.0	3

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127	Topology optimization of mechanical structures in stair-climbing assistive technology. <i>Nanomaterials and Energy</i> , 2019, 8, 167-177.	0.1	3
128	Wrapping of Curved Surfaces With Conformal Broadband Metamaterial Microwave Absorber. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2021, 20, 1938-1942.	2.4	3
129	Investigation on Precision Finishing of Helical Gears Using Newly Developed Silicon Carbide Mixed Styrene Butadiene Media and Abrasive Flow Finishing Process. <i>Current Nanomaterials</i> , 2021, 06, .	0.2	3
130	Mapping wheelchair functions and their associated functional elements for stair climbing accessibility: a systematic review. <i>Disability and Rehabilitation: Assistive Technology</i> , 2024, 19, 200-221.	1.3	3
131	Cavitation Resistance of a Cr-Mn Stainless Steel, A Mild Steel, and A High-Carbon Steel Based on Rust Protectivity and Corrosion Behavior. <i>Journal of Materials Engineering and Performance</i> , 2022, 31, 439-447.	1.2	2
132	Laser Surface Texturing in Powder Bed Fusion: Numerical Simulation and Experimental Characterization. <i>Metals and Materials International</i> , 0, , 1.	1.8	2
133	Cavitation behavior of various microstructures made from a Cr-Mn eutectoid steel. <i>Wear</i> , 2021, 486-487, 204056.	1.5	2
134	Numerical Simulation of Heat Transfer and Fluid Flow in Co-axial Laser Cladding of Ti6Al4V Alloys. <i>Lecture Notes on Multidisciplinary Industrial Engineering</i> , 2020, , 241-254.	0.4	2
135	Experimental Characterisation of Thin Sandwich Panel of Polymer Composite. <i>Advanced Composites Letters</i> , 2006, 15, 096369350601500.	1.3	1
136	Butt Joining of Similar & Dissimilar Pipe Material by Cold Joining Process. <i>Advanced Composites Letters</i> , 2007, 16, 096369350701600.	1.3	1
137	Experimental investigation of mechanical and tribological performance of XNBR rubber modified epoxy under dry sliding condition. <i>International Journal of Plastics Technology</i> , 2010, 14, 93-103.	2.9	1
138	A comparison between Raman scattering from GaN nanowires and polyhedrons. <i>Nanoscience Methods</i> , 2012, 1, 129-136.	1.0	1
139	Effect of Exposure Face Orientation and Tilt Angle on Immersion Corrosion Behavior of Dual-Phase and Mild Steels. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 151-160.	1.2	1
140	Preliminary study of effect of surface texturing on hypodermic needles. , 2016, , .		1
141	Correlation of Three-Dimensional Roughness Parameters With the Crater Dimensions in $\frac{1}{4}$ ED-Milling of Cryogenic-Treated Tool and Workpiece. <i>Journal of Micro and Nano-Manufacturing</i> , 2020, 8, .	0.8	1
142	Fly ash-mixed polymeric media for abrasive flow machining process. , 2022, , 681-713.		1
143	Controlling the nanodot formation on GaAs surface during focused ion beam processing. <i>Radiation Effects and Defects in Solids</i> , 2010, 165, 889-893.	0.4	0
144	A review on work environment quality in shop floor: Impact of aerosols. , 2016, , .		0

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145	Excimer laser micromachining of oblique microchannels on thin metal films using square laser spot. Sadhana - Academy Proceedings in Engineering Sciences, 2016, 41, 633-641.	0.8	0
146	An Optically Transparent Microwave Broadband Absorber using Resistive Sheet. , 2018, , .		0
147	An analytical modelling of cutting forces in orthogonal elliptical vibration cutting. Journal of Micromanufacturing, 2021, 4, 36-49.	0.6	0
148	Parametric Analysis of Laser Beam Percussion Drilling for Thin Titanium Alloy Sheet Using Yb: Yag Fiber Laser. Journal of Advanced Manufacturing Systems, 0, , 1-24.	0.4	0
149	Fabrication of Micro-holes Array Through Multiple Electrodes with Distributed TiO_2 -Pulsed Electrochemical Machining. Lecture Notes on Multidisciplinary Industrial Engineering, 2019, , 47-60.	0.4	0
150	Numerical Simulation of Micro-EDM Process by Incorporating a Novel Approach of Multi-sparks. Lecture Notes on Multidisciplinary Industrial Engineering, 2019, , 211-224.	0.4	0
151	Experimental Investigation on Surface Topography of the Natural Ceramics in Abrasive Water Jet Cutting and Its Optimization Validation by Formulated Model. Lecture Notes on Multidisciplinary Industrial Engineering, 2020, , 347-360.	0.4	0
152	Functionalization of fly ash. , 2022, , 35-55.		0
153	Effect of Vibratory Tip Amplitude on the Erosion Rate of Various Microstructures of High Carbon Steel. Journal of Materials Engineering and Performance, 0, , 1.	1.2	0
154	Large area fabrication of single micron features using two-photon polymerization with sub-nanosecond laser. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 0, , 095440542210777.	1.5	0
155	Multispectral Non-Hierarchical Metastructures for Radiation Management and Limits of Perfect Absorption. , 2021, , .		0
156	Micro Electrical Discharge Machining of Micro-Hole. Advanced Science, Engineering and Medicine, 2020, 12, 1335-1339.	0.3	0