Janakarajan Ramkumar

List of Publications by Year in Descending Order

150 papers	2,215 citations	25 h-index	39 g-index
158 ext. papers	2,820 ext. citations	3.5 avg, IF	5.65 L-index

#	Paper	IF	Citations
150	Fly ash-mixed polymeric media for abrasive flow machining process **2022**, 681-713		0
149	A low-profile consolidated metastructure for multispectral signature management. *Journal of Optics (United Kingdom)*, **2022**, 24, 035102	1.7	2
148	Functionalization of fly ash **2022**, 35-55		
147	Polarization-Insensitive Optically Transparent Microwave Metamaterial Absorber Using a Complementary Layer. *IEEE Antennas and Wireless Propagation Letters*, **2022**, 21, 163-167	3.8	7
146	A study on selective laser melting (SLM) of TiC and B4C reinforced IN718 metal matrix composites (MMCs). *Journal of Alloys and Compounds*, **2022**, 901, 163527	5.7	3
145	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	5.7	6
144	Analysis of circuit current in electrochemical micromachining process under the application of different waveforms of pulsed voltage. *Journal of Manufacturing Processes*, **2022**, 75, 110-124	5	1
143	Perforated lightweight microwave metamaterial broadband absorber with discontinuous ground plane. *Applied Physics A: Materials Science and Processing*, **2021**, 127, 1	2.6	0
142	Sustainable Electrochemical Micromachining Using Atomized Electrolyte Flushing. *Journal of the Electrochemical Society*, **2021**, 168, 043504	3.9	2
141	Impact of nanoclay filler reinforcement on CFRP composite performance during abrasive water jet machining. *Materials and Manufacturing Processes*, **2021**, 36, 1264-1273	4.1	3
140	Impact of policy instruments on lead-acid battery recycling: A system dynamics approach. *Resources, Conservation and Recycling*, **2021**, 169, 105528	11.9	10
139	ORR performance evaluation of Al-substituted MnFe2O4/ reduced graphene oxide nanocomposite. *International Journal of Hydrogen Energy*, **2021**, 46, 22434-22445	6.7	3
138	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	1.4	8
137	An analytical modelling of cutting forces in orthogonal elliptical vibration cutting. *Journal of Micromanufacturing*, **2021**, 4, 36-49	1.7	
136	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	8.4	9
135	Effect of pearlitic morphology with varying fineness on the cavitation erosion behavior of eutectoid rail steel. *Ultrasonics Sonochemistry*, **2021**, 71, 105399	8.9	6
134	Microscratching and fretting of electro-co-deposited Cr-based composite coatings with BN, graphene, and diamond reinforcements. *Journal of Materials Science*, **2021**, 56, 6148-6166	4.3	5

133	Wrapping of Curved Surfaces With Conformal Broadband Metamaterial Microwave Absorber. *IEEE Antennas and Wireless Propagation Letters*, **2021**, 1-1	3.8	0
132	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	5	4
131	Investigation on Precision Finishing of Helical Gears Using Newly Developed Silicon Carbide Mixed Styrene Butadiene Media and Abrasive Flow Finishing Process. *Current Nanomaterials*, **2021**, 06,	1.3	2
130	On altering the wetting behaviour and corrosion resistance of a large metallic surface area by wire electrochemical texturing. *Surface and Coatings Technology*, **2021**, 422, 127533	4.4	1
129	Cavitation behavior of various microstructures made from a CMn eutectoid steel. *Wear*, **2021**, 486-487, 204056	3.5	1
128	Wire electrochemical micromachining: An overview. *International Journal of Machine Tools and Manufacture*, **2020**, 155, 103579	9.4	15
127	Delamination analysis and hole quality of hybrid FRP composite using abrasive water jet machining. *Materials Today: Proceedings*, **2020**, 33, 5653-5658	1.4	8
126	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	3.2	7
125	Enhanced tribological performances of zinc oxide/MWCNTs hybrid nanomaterials as the effective lubricant additive in engine oil. *Materials Chemistry and Physics*, **2020**, 253, 123447	4.4	20
124	. *IEEE Transactions on Components, Packaging and Manufacturing Technology*, **2020**, 10, 378-388	1.7	10
123	Micro-texturing on free-form surfaces using flexible-electrode through-mask electrochemical micromachining. *Journal of Materials Processing Technology*, **2020**, 282, 116644	5.3	6
122	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	9.4	14
121	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	4.4	13
120	Optimization of process parameters in nano-finishing of Co-Cr-Mo alloy knee joint. *Materials and Manufacturing Processes*, **2020**, 35, 985-992	4.1	9
119	Numerical Simulation of Heat Transfer and Fluid Flow in Co-axial Laser Cladding of Ti6Al4V Alloys. *Lecture Notes on Multidisciplinary Industrial Engineering*, **2020**, 241-254	0.3	2
118	Investigations into Wire Electrochemical Machining of Stainless Steel 304. *Lecture Notes on Multidisciplinary Industrial Engineering*, **2020**, 41-52	0.3	
117	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	0.3	
116	Numerical Simulation of Melt Hydrodynamics in Laser Micro Processing of Metals. *Procedia CIRP*, **2020**, 95, 944-949	1.8	3

115	Arsenic remediation onto redox and photo-catalytic/electrocatalytic Mn-Al-Fe impregnated rGO: Sustainable aspects of sludge as supercapacitor. *Chemical Engineering Journal*, **2020**, 390, 124000	14.7	40
114	Experimental investigation of abrasive waterjet hole cutting on hybrid carbon/glass composite. *Materials Today: Proceedings*, **2020**, 21, 1551-1558	1.4	9
113	Al3+-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	10	14
112	Comparative study of the influence of graphene nanoplatelets filler on the mechanical and tribological behavior of glass fabric-reinforced epoxy composites. *Polymer Composites*, **2020**, 41, 5403-5417	2	14
111	Micro Electrical Discharge Machining of Micro-Hole. *Advanced Science, Engineering and Medicine*, **2020**, 12, 1335-1339	0.6	
110	Modelling of Wire Electrochemical Micromachining (Wire-ECMM) process for anode shape prediction using finite element method. *Electrochimica Acta*, **2019**, 312, 329-341	6.7	11
109	Fabrication of a non-wettable wearable textile-based metamaterial microwave absorber. *Journal Physics D: Applied Physics*, **2019**, 52, 385304	3	9
108	Numerical simulation of melt pool oscillations and protuberance in pulsed laser micro melting of SS304 for surface texturing applications. *Journal of Manufacturing Processes*, **2019**, 39, 282-294	5	17
107	Experimental and analytical investigations into wire electrochemical micro turning. *Journal of Micromanufacturing*, **2019**, 2, 42-58	1.7	4
106	Condensation of water vapor underneath an inclined hydrophobic textured surface machined by laser and electric discharge. *Applied Surface Science*, **2019**, 484, 999-1009	6.7	13
105	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	3.2	10
104	Single step laser surface texturing for enhancing contact angle and tribological properties. *International Journal of Advanced Manufacturing Technology*, **2019**, 100, 1253-1267	3.2	20
103	Thin-wall micromachining of Ti–6Al–4V using micro-wire electrical discharge machining process. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, **2019**, 41, 1	2	5
102	Experimental investigation and multi-objective optimization of micro-wire electrical discharge machining of a titanium alloy using Jaya algorithm. *Advances in Production Engineering and Management*, **2019**, 14, 251-263	2.5	3
101	Fabrication of Micro-holes Array Through Multiple Electrodes with Distributed Pulsed Electrochemical Machining. *Lecture Notes on Multidisciplinary Industrial Engineering*, **2019**, 47-60	0.3	
100	Experimental Investigations into Wire Electrical Discharge Machining Process for the Machining of Ti-6Al-4V. *Lecture Notes on Multidisciplinary Industrial Engineering*, **2019**, 329-337	0.3	
99	Numerical Simulation of Micro-EDM Process by Incorporating a Novel Approach of Multi-sparks. *Lecture Notes on Multidisciplinary Industrial Engineering*, **2019**, 211-224	0.3	
98	Numerical modelling of ECMM of micro-dimples considering the effect of 3-phase electrolyte. *Journal of Micromanufacturing*, **2019**, 2, 95-109	1.7	3

97	Topology optimization of mechanical structures in stair-climbing assistive technology. *Nanomaterials and Energy*, **2019**, 8, 167-177	1.1	3
96	Excimer laser micromachining of indium tin oxide for fabrication of optically transparent metamaterial absorbers. *Applied Physics A: Materials Science and Processing*, **2019**, 125, 1	2.6	10
95	An Optically Transparent Broadband Microwave Absorber Using Interdigital Capacitance. *IEEE Antennas and Wireless Propagation Letters*, **2019**, 18, 113-117	3.8	43
94	Redox synergistic Mn-Al-Fe and Cu-Al-Fe ternary metal oxide nano adsorbents for arsenic remediation with environmentally stable As(0) formation. *Journal of Hazardous Materials*, **2019**, 364, 519-530	12.8	30
93	Development of inverse replica fixture for nano-finishing of knee joint using R-MRAFF process. *Journal of Micromanufacturing*, **2019**, 2, 35-41	1.7	12
92	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	12.8	17
91	Experimental investigations into nanofinishing of Ti6Al4V flat disc using magnetorheological finishing process. *International Journal of Advanced Manufacturing Technology*, **2019**, 100, 1055-1065	3.2	18
90	Preliminary investigations into nano-finishing of freeform surface (femoral) using inverse replica fixture. *International Journal of Advanced Manufacturing Technology*, **2019**, 100, 1081-1092	3.2	14
89	Experimental and theoretical investigations into internal magnetic abrasive finishing of a revolver barrel. *International Journal of Advanced Manufacturing Technology*, **2019**, 100, 1105-1122	3.2	13
88	Investigations into insertion force of electrochemically micro-textured hypodermic needles. *International Journal of Advanced Manufacturing Technology*, **2019**, 100, 1311-1326	3.2	9
87	Electrochemical micro texturing on flat and curved surfaces: simulation and experiments. *International Journal of Advanced Manufacturing Technology*, **2019**, 100, 1269-1286	3.2	23
86	Surface texture evaluation using 3D reconstruction from images by parametric anisotropic BRDF. *Measurement: Journal of the International Measurement Confederation*, **2018**, 125, 612-633	4.6	12
85	A simulation based approach to realize green factory from unit green manufacturing processes. *Journal of Cleaner Production*, **2018**, 182, 67-81	10.3	16
84	Analysis of transient thermo-fluidic behavior of melt pool during spot laser welding of 304 stainless-steel. *Journal of Materials Processing Technology*, **2018**, 256, 109-120	5.3	22
83	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	2	15
82	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	2	11
81	Comparison of machining performance of microwave post-heated WC insert with dry, wet and MQL cutting in turning operation. *Journal of Microwave Power and Electromagnetic Energy*, **2018**, 52, 109-127	1.4	4
80	Micro texturing on metallic surfaces: State of the art. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2018**, 232, 941-964	2.4	40

79	Investigations into side gap in wire electrochemical micromachining (wire-ECMM). *International Journal of Advanced Manufacturing Technology*, **2018**, 94, 4469-4478	3.2	11
78	On the effect of relative size of magnetic particles and abrasive particles in MR fluid-based finishing process. *Machining Science and Technology*, **2018**, 22, 493-506	2	24
77	Protective trivalent Cr-based electrochemical coatings for gun barrels. *Journal of Alloys and Compounds*, **2018**, 768, 1039-1048	5.7	12
76	Mechanical Analysis of Nickel Particle-Coated Carbon Fiber-Reinforced Epoxy Composites for Advanced Structural Applications. *ACS Applied Nano Materials*, **2018**, 1, 4332-4339	5.6	27
75	Comparative Atmospheric Corrosion Behavior of a Mild Steel and an Interstitial Free Steel. *Journal of Materials Engineering and Performance*, **2018**, 27, 4497-4506	1.6	3
74	Wire Electrochemical Threading: A Technique for Fabricating Macro/Micro Thread Profiles. *Journal of the Electrochemical Society*, **2018**, 165, E397-E405	3.9	12
73	Nanofinishing of freeform/sculptured surfaces: state-of-the-art. *Manufacturing Review*, **2018**, 5, 6	1.4	8
72	Experimental Investigations to Study the Effects of Microwave Treatment Strategy on Tool Performance in Turning Operation. *Journal of Materials Engineering and Performance*, **2018**, 27, 6374-6388	1.6	5
71	Fabrication of controlled expansion Al-Si composites by pressureless and spark plasma sintering. *Advanced Powder Technology*, **2018**, 29, 3427-3439	4.6	10
70	Topographical effects of laser surface texturing on various time-dependent wetting regimes in Ti6Al4V. *Surface and Coatings Technology*, **2018**, 349, 816-829	4.4	22
69	Numerical simulation of melt hydrodynamics induced hole blockage in Quasi-CW fiber laser micro-drilling of TiAl6V4. *Journal of Materials Processing Technology*, **2018**, 262, 131-148	5.3	43
68	Performance assessment of microwave treated WC insert while turning AISI 1040 steel. *Journal of Mechanical Science and Technology*, **2018**, 32, 2551-2558	1.6	9
67	Effect of Exposure Face Orientation and Tilt Angle on Immersion Corrosion Behavior of Dual-Phase and Mild Steels. *Journal of Materials Engineering and Performance*, **2017**, 26, 151-160	1.6	
66	Aluminum Substituted Cobalt Ferrite (Co-Al-Fe) Nano Adsorbent for Arsenic Adsorption in Aqueous Systems and Detailed Redox Behavior Study with XPS. *ACS Applied Materials & Interfaces*, **2017**, 9, 11587-11598	9.5	72
65	Transparent broadband metamaterial absorber based on resistive films. *Journal of Applied Physics*, **2017**, 122, 105105	2.5	75
64	Aluminum substituted nickel ferrite ($NiAlFe$): a ternary metal oxide adsorbent for arsenic adsorption in aqueous medium. *RSC Advances*, **2016**, 6, 55608-55617	3.7	33
63	Excimer laser micromachining of oblique microchannels on thin metal films using square laser spot. *Sadhana - Academy Proceedings in Engineering Sciences*, **2016**, 41, 633-641	1	
62	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	3.2	23

61	Fabrication of complex circuit on printed circuit board (PCB) using electrochemical micro-machining. *International Journal of Advanced Manufacturing Technology*, **2016**, 85, 2073-2081	3.2	7
60	A new multi-objective Jaya algorithm for optimization of modern machining processes. *Advances in Production Engineering and Management*, **2016**, 11, 271-286	2.5	38
59	Experimental Investigations into Nano-finishing of Freeform Surfaces Using Negative Replica of the Knee Joint. *Procedia CIRP*, **2016**, 42, 793-798	1.8	18
58	Stress Corrosion Cracking Behavior of Interstitial Free Steel Via Slow Strain Rate Technique. *Journal of Materials Engineering and Performance*, **2016**, 25, 2878-2888	1.6	8
57	Green Index Quantification of a Unit Manufacturing Process through Simulation Experiments. *Procedia CIRP*, **2016**, 41, 1131-1136	1.8	2
56	Application of Artificial Neural Networks in Abrasive Water Jet Milling. *Procedia CIRP*, **2015**, 37, 225-229	1.8	10
55	Microfeature edge quality enhancement in excimer laser micromachining of metal films by coating with a sacrificial polymer layer. *Journal of Micromechanics and Microengineering*, **2015**, 25, 065001	2	2
54	Quantifying Green Manufacturability of a Unit Production Process Using Simulation. *Procedia CIRP*, **2015**, 29, 257-262	1.8	11
53	A simplified damage prediction framework for milling of unidirectional carbon fiber-reinforced plastics. *Advanced Manufacturing: Polymer and Composites Science*, **2015**, 1, 175-184	0.6	3
52	Simulations and experiments on excimer laser micromachining of metal and polymer. *Journal of Micro/ Nanolithography, MEMS, and MOEMS*, **2014**, 13, 013008	0.7	3
51	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	1.6	12
50	BLOCK EDG: ISSUES AND APPLICABILITY IN MULTIPLE PASS □ED-MILLING. *Machining Science and Technology*, **2014**, 18, 120-136	2	9
49	Neural Network Based Modelling and GRA Coupled PCA Optimization of Hole Sinking Electro Discharge Micromachining. *International Journal of Manufacturing, Materials, and Mechanical Engineering*, **2014**, 4, 1-21	0.5	7
48	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,	3.3	10
47	Multi-Objective Optimization of Hole Drilling Electrical Discharge Micromachining Process Using Grey Relational Analysis Coupled with Principal Component Analysis. *Journal of the Institution of Engineers (India): Series C*, **2013**, 94, 317	0.9	2
46	Excimer Laser Micromachining Using Binary Mask Projection for Large Area Patterning With Single Micrometer Features. *Journal of Micro and Nano-Manufacturing*, **2013**, 1,	1.3	12
45	Modelling and optimisation of hole drilling electrical discharge micromachining process of Ti-6Al-4V thin sheet. *International Journal of Precision Technology*, **2013**, 3, 183	0.5	4
44	Catalyst and its diameter dependent growth kinetics of CVD grown GaN nanowires. *Materials Research Bulletin*, **2012**, 47, 952-956	5.1	12

43	A Study on Machinability of B-Modified Ti-6Al-4V Alloys by EDM. *Materials and Manufacturing Processes*, **2012**, 27, 348-354	4.1	25
42	Nano-Cutting Fluid for Enhancement of Metal Cutting Performance. *Materials and Manufacturing Processes*, **2012**, 27, 963-967	4.1	155
41	Microelectric Discharge Plasma: Characterization and Applications. *Materials and Manufacturing Processes*, **2012**, 27, 1208-1212	4.1	1
40	A comparison between Raman scattering from GaN nanowires and polyhedrons. *Nanoscience Methods*, **2012**, 1, 129-136		1
39	Anti-reflective and hydrophobic surface of self-organized GaN nano-flowers. *Applied Surface Science*, **2011**, 257, 9612-9615	6.7	9
38	Rheological characterization of styrene-butadiene based medium and its finishing performance using rotational abrasive flow finishing process. *International Journal of Machine Tools and Manufacture*, **2011**, 51, 947-957	9.4	53
37	Plasma characterization of dry □EDM. *International Journal of Advanced Manufacturing Technology*, **2011**, 56, 187-195	3.2	19
36	Simulation and experimental realization of □channels using a □D-milling process. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2011**, 225, 2206-2219	2.4	14
35	Rheological characterisation and performance evaluation of a new medium developed for abrasive flow finishing. *International Journal of Precision Technology*, **2010**, 1, 302	0.5	10
34	Controlling the nanodot formation on GaAs surface during focused ion beam processing. *Radiation Effects and Defects in Solids*, **2010**, 165, 889-893	0.9	
33	The effect of process parameters on machining of magnesium nano alumina composites through EDM. *International Journal of Advanced Manufacturing Technology*, **2010**, 46, 1035-1042	3.2	47
32	Micro electric discharge milling process performance: An experimental investigation. *International Journal of Machine Tools and Manufacture*, **2010**, 50, 718-727	9.4	61
31	Experimental investigation of mechanical and tribological performance of XNBR rubber modified epoxy under dry sliding condition. *International Journal of Plastics Technology*, **2010**, 14, 93-103	2.7	1
30	Rotational abrasive flow finishing (R-AFF) process and its effects on finished surface topography. *International Journal of Machine Tools and Manufacture*, **2010**, 50, 637-650	9.4	65
29	Preferential Media for Abrasive Flow Machining. *Journal of Manufacturing Science and Engineering, Transactions of the ASME*, **2009**, 131,	3.3	30
28	The measurement of attogram mass accumulation on nanostructures during e-beam scanning, using carbon nanopillars in resonant mode. *Nanotechnology*, **2009**, 20, 345501	3.4	9
27	Fabrication and characterization of ABS nano composite reinforced by nano sized alumina particulates. *International Journal of Plastics Technology*, **2009**, 13, 133-149	2.7	11
26	Experimental investigations and modeling of drill bit-guided abrasive flow finishing (DBG-AFF) process. *International Journal of Advanced Manufacturing Technology*, **2009**, 42, 678-688	3.2	41

25	Experimental investigation and mechanism of material removal in nano finishing of MMCs using abrasive flow finishing (AFF) process. *Wear*, **2009**, 266, 688-698	3.5	57
24	Experimental investigations into rotating workpiece abrasive flow finishing. *Wear*, **2009**, 267, 43-51	3.5	68
23	Performance evaluation and rheological characterization of newly developed butyl rubber based media for abrasive flow machining process. *Journal of Materials Processing Technology*, **2009**, 209, 2212-2221	5.3	67
22	TEM studies on recovery and recrystallisation in Equal Channel Angular Extrusion processed Al-3%Mg alloy. *Transactions of the Indian Institute of Metals*, **2008**, 61, 173-176	1.2	3
21	Butt Joining of Similar & Dissimilar Pipe Material by Cold Joining Process. *Advanced Composites Letters*, **2007**, 16, 096369350701600	1.2	1
20	Pressure distribution analysis of fiber reinforced plastic components made by rubber pressure moulding technique. *Journal of Applied Polymer Science*, **2007**, 105, 3333-3354	2.9	6
19	Analysis of rubber pressure molding technique to fabricate fiber reinforced plastic components. *Polymer Composites*, **2007**, 28, 637-649	3	5
18	A Mathematical Model for Determination of Limiting Blank Holding Force and Cavity Pressure in Hydromechanical Deep Drawing. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, **2007**, 221, 155-162	2.4	5
17	Electro-discharge machining performance of TiCN-based cermets. *International Journal of Refractory Metals and Hard Materials*, **2007**, 25, 293-299	4.1	25
16	Experimental Characterisation of Thin Sandwich Panel of Polymer Composite. *Advanced Composites Letters*, **2006**, 15, 096369350601500	1.2	0
15	Erosion Wear Behavior of TiCN–Ni Cermets Containing Secondary Carbides (WC/NbC/TaC). *Journal of the American Ceramic Society*, **2006**, 89, 3827-3831	3.8	35
14	EFFECT OF MICROWAVE TREATMENT ON WC INSERTS FOR DRILLING OF GFRP COMPOSITES. *Machining Science and Technology*, **2005**, 9, 263-269	2	7
13	An enhancement of the machining performance of GFRP by oscillatory assisted drilling. *International Journal of Advanced Manufacturing Technology*, **2004**, 23, 240-244	3.2	59
12	Effect of workpiece vibration on drilling of GFRP laminates. *Journal of Materials Processing Technology*, **2004**, 152, 329-332	5.3	58
11	Studies on drilling of glass/epoxy laminates using coated high-speed steel drills. *Materials and Manufacturing Processes*, **2002**, 17, 213-222	4.1	13
10	Enhancing the metallurgical properties of WC insert (K-20) cutting tool through microwave treatment. *Materials Letters*, **2002**, 53, 200-204	3.3	21
9	Effect of Vibratory Tip Amplitude on the Erosion Rate of Various Microstructures of High Carbon Steel. *Journal of Materials Engineering and Performance*,1	1.6	
8	Micro-texturing on flat and cylindrical surfaces using electric discharge micromachining. *Journal of Micromanufacturing*,251659842098040	1.7	5

7	Micro-machining: An overview (Part II). *Journal of Micromanufacturing*,251659842110452	1.7	1
6	Influence of laser surface texturing on the wettability and antibacterial properties of metallic, ceramic, and polymeric surfaces. *Journal of Materials Research*,1	2.5	0
5	Cavitation Resistance of a Cr-Mn Stainless Steel, A Mild Steel, and A High-Carbon Steel Based on Rust Protectivity and Corrosion Behavior. *Journal of Materials Engineering and Performance*,1	1.6	0
4	Laser Surface Texturing in Powder Bed Fusion: Numerical Simulation and Experimental Characterization. *Metals and Materials International*,1	2.4	0
3	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*,095440542210777	2.4	
2	Mapping wheelchair functions and their associated functional elements for stair climbing accessibility: a systematic review. *Disability and Rehabilitation: Assistive Technology*,1-22	1.8	0
1	3-D fabrication using electrical discharge-milling: an overview. *Materials and Manufacturing Processes*,1-31	4.1	1