

Kaushik Kumar

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

167
papers

773
citations

15
h-index

22
g-index

244
ext. papers

947
ext. citations

0.8
avg, IF

5
L-index

#	Paper	IF	Citations
167	Effect of Heat Input on Distortions and Residual Stresses Induced by Gas Tungsten Arc Welding in SS 316L to INCONEL625 Multipass Dissimilar Welded Joints. <i>Advances in Materials Science and Engineering</i> , 2021 , 2021, 1-9	1.5	0
166	Thermal and Residual Stress Distributions in Inconel 625 Butt-Welded Plates: Simulation and Experimental Validation. <i>Advances in Materials Science and Engineering</i> , 2021 , 2021, 1-12	1.5	1
165	An Overview of Machine Learning Implementation in Various Industrial Scenarios 2021 , 2-20		
164	Intelligent Control Design Schemes of a Two-Link Robotic Manipulator 2021 , 65-86		
163	Time-temperature-cure process window of epoxy-vinyl ester resin for applications in liquid composite moulding processes. <i>Materials Today: Proceedings</i> , 2021 , 39, 1407-1411	1.4	5
162	Estimation of tribological properties of orthotic calipers fabricated using bamboo reinforced epoxy composite. <i>Materials Today: Proceedings</i> , 2021 , 46, 243-245	1.4	
161	Experimental investigation and comparative analysis of mechanical properties of cross layer rice straw fibers filled reinforced epoxy biodegradable composite. <i>Materials Today: Proceedings</i> , 2021 , 46, 340-344	1.4	2
160	Fabrication and strength analysis of rice straw fibers reinforced epoxy biodegradable composite. <i>Materials Today: Proceedings</i> , 2021 , 46, 331-335	1.4	4
159	Programming for Machining in Electrical Discharge Machine. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2021 , 55-75	0.4	
158	Characterization of Coatings Through Indentation Technique. <i>Materials Forming, Machining and Tribology</i> , 2021 , 139-150	0.5	
157	2D heat conduction on a flat plate with Ti6Al4V alloy under steady state conduction: A numerical analysis. <i>Materials Today: Proceedings</i> , 2021 , 46, 896-902	1.4	2
156	Numerical and thermal modelling of machining implants: A case with Ti6Al4V alloy with unsteady heat diffusion. <i>Materials Today: Proceedings</i> , 2021 , 46, 7695-7700	1.4	0
155	Application of Evolutionary Optimization Techniques Towards Non-Traditional Machining for Performance Enhancement. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2021 , 181-194	0.4	
154	Current tools and methodology for a sustainable product life cycle and design 2021 , 3-17		
153	Modeling and Simulation of Film Cooling Effectiveness on a Flat Plate. <i>Materials Today: Proceedings</i> , 2020 , 22, 3261-3267	1.4	
152	Efficacy of Vehicle Chassis of Polymeric Composite. <i>Materials Today: Proceedings</i> , 2020 , 22, 2638-2646	1.4	5
151	Effect of change of material model in Mooney Rivlin hyper-elastic material. <i>Materials Today: Proceedings</i> , 2020 , 26, 2511-2514	1.4	1

150	Advanced manufacturing techniques for composite structures used in aerospace industries 2020 , 3-12		5
149	CNC Programming for Machining. <i>Materials Forming, Machining and Tribology</i> , 2020 ,	0.5	3
148	A Machining Program Employing a Slip Line Field Modelling Technique Over Other Constitutive Models. <i>International Journal of Manufacturing, Materials, and Mechanical Engineering</i> , 2020 , 10, 18-48	0.5	
147	Generation of Slip Line Fields Incorporating BUE and Shear Zone to Model Machining Using MATLAB. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 409-419	0.4	
146	Integrated Manufacturing System for Complex Geometries 2020 , 321-331		
145	Digital Technology Integration in Different Educational Fields. <i>Advances in Educational Technologies and Instructional Design Book Series</i> , 2020 , 112-131	0.3	
144	Classification of Factors Associated with a Closed-Loop Supply Chain System, Their Modelling Methods and Strategies. <i>Management and Industrial Engineering</i> , 2020 , 19-35	0.2	0
143	Selection of Prototyping Process and Part Orientation for Virtually Manufactured Gears 2020 , 353-369		
142	RETRACTED CHAPTER: Digital Thinking Integrated with Design Thinking. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 69-74	0.4	
141	RETRACTED CHAPTER: Methods and Tools of Design Thinking. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 39-47	0.4	
140	Radial Data Envelopment Analysis Approach to Performance Measurement: Study on Indian Banking System. <i>Management and Industrial Engineering</i> , 2020 , 155-171	0.2	
139	RETRACTED CHAPTER: Introduction to Digital Thinking. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 51-58	0.4	
138	RETRACTED CHAPTER: Digital Thinking in Education. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 59-67	0.4	
137	Introduction to Design Thinking. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 3-15	0.4	2
136	Design Thinking in Engineering Realm. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 , 17-38	0.4	1
135	A brief review on cryogenics in machining process. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	17
134	Bioremediation of oily sludge: A case base analysis to sustainable supply chain. <i>Resources, Environment and Sustainability</i> , 2020 , 2, 100008	3.2	1
133	Perspective on the mechanical response of pineapple leaf filler/toughened epoxy composites under diverse constraints. <i>Polymer Bulletin</i> , 2020 , 77, 4105-4129	2.4	7

132	Design Thinking to Digital Thinking. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2020 ,	0.4	2
131	Tailoring the performance of bamboo filler reinforced epoxy composite: insights into fracture properties and fracture mechanism. <i>Journal of Polymer Research</i> , 2019 , 26, 1	2.7	15
130	Metallic biomaterials A review 2019 , 83-99		6
129	Casting. <i>Materials Forming, Machining and Tribology</i> , 2019 , 37-52	0.5	1
128	Introduction to Materials. <i>Materials Forming, Machining and Tribology</i> , 2019 , 3-20	0.5	
127	Machining Process. <i>Materials Forming, Machining and Tribology</i> , 2019 , 85-100	0.5	
126	Mechanical Behaviour of Materials. <i>Materials Forming, Machining and Tribology</i> , 2019 , 21-34	0.5	1
125	Forming. <i>Materials Forming, Machining and Tribology</i> , 2019 , 53-63	0.5	1
124	Welding. <i>Materials Forming, Machining and Tribology</i> , 2019 , 65-81	0.5	
123	Requirements of Education and Qualification. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2019 , 27-33	0.4	2
122	Risk Management Implementation. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2019 , 35-42	0.4	
121	Socio-technical Considerations. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2019 , 43-51	0.4	3
120	Sustainable Business Scenarios in 4.0 Era. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2019 , 53-59	0.4	
119	Process Planning in Era 4.0. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2019 , 19-26	0.4	1
118	Industry 4.0. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2019 ,	0.4	14
117	Intelligent Manufacturing. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2019 , 1-17	0.4	
116	An insight into additive manufacturing of fiber reinforced polymer composite. <i>International Journal of Lightweight Materials and Manufacture</i> , 2019 , 2, 267-278	2.2	34
115	Application of Flower Pollination Algorithm for Optimization of ECM Process Parameters 2019 , 17-37		1

114	Fire Performance of Natural Fiber Reinforced Polymeric Composites 2019 , 209-224		1
113	Sustainability in bio-metallic orthopedic implants. <i>Biointerface Research in Applied Chemistry</i> , 2019 , 9, 3825-3829	2.8	2
112	Graphene-based polymeric nano-composites: an introspection into functionalization, processing techniques and biomedical applications. <i>Biointerface Research in Applied Chemistry</i> , 2019 , 9, 3926-3933	2.8	7
111	Integrated Manufacturing System for Complex Geometries. <i>Advances in Mechatronics and Mechanical Engineering</i> , 2019 , 14-23	0.5	1
110	Optimization of Process Parameters for Electro-Chemical Machining of EN19. <i>Advances in Mechatronics and Mechanical Engineering</i> , 2019 , 127-142	0.5	1
109	Fuzzy Logic Approach for Material Selection in Mechanical Engineering Design. <i>Advances in Mechatronics and Mechanical Engineering</i> , 2019 , 99-116	0.5	
108	Recycling and Reuse of Building Materials From Construction and Demolition. <i>Advances in Civil and Industrial Engineering Book Series</i> , 2019 , 60-79	0.5	
107	Application of Renewable Energy System With Fuzzy Logic. <i>Advances in Mechatronics and Mechanical Engineering</i> , 2019 , 284-309	0.5	2
106	Additive Manufacturing. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 2019 , 41-76	0.3	2
105	Earthquake Resistant Design. <i>Advances in Civil and Industrial Engineering Book Series</i> , 2019 , 201-221	0.5	
104	Fuzzy Logic for Machining Applications. <i>Advances in Mechatronics and Mechanical Engineering</i> , 2019 , 341-361		
103	Industries of Future 2019 , 59-71		
102	Micro and Nano Machining An Industrial Perspective. <i>Materials Forming, Machining and Tribology</i> , 2019 , 9-29	0.5	2
101	Significance Of Slip Line Field Model In Accommodating All Machining Complex Behaviour. <i>Materials Today: Proceedings</i> , 2019 , 18, 2353-2360	1.4	
100	CFD Assisted Investigation on Adiabatic Film Cooling Effectiveness over a Flat Plate. <i>Materials Today: Proceedings</i> , 2019 , 18, 3711-3716	1.4	
99	Optimization of Volumetric Composition and Cross-Section of Carbon Reinforced Epoxy based Polymeric Composite Tubes in Spaceframe Chassis. <i>Materials Today: Proceedings</i> , 2019 , 18, 3812-3820	1.4	4
98	Micro and Nano Machining of Engineering Materials. <i>Materials Forming, Machining and Tribology</i> , 2019 ,	0.5	5
97	Laser Micromachining of Engineering Materials A Review. <i>Materials Forming, Machining and Tribology</i> , 2019 , 121-136	0.5	7

96	Mechanical behaviour of graphene and carbon fibre reinforced epoxy based hybrid nanocomposites for orthotic callipers. <i>Journal of Experimental Nanoscience</i> , 2018 , 13, S14-S23	1.9	9
95	Introduction to Machining Processes. <i>Materials Forming, Machining and Tribology</i> , 2018 , 41-47	0.5	0
94	Mechanical Machining. <i>Materials Forming, Machining and Tribology</i> , 2018 , 49-88	0.5	
93	Advanced Machining and Manufacturing Processes. <i>Materials Forming, Machining and Tribology</i> , 2018 ,	0.5	3
92	Design validation & stress analysis of mixed flow pump impeller blades under applied uniformly distributed and uniformly varying loads.. <i>Materials Today: Proceedings</i> , 2018 , 5, 4646-4652	1.4	2
91	Mechanical characterization and quantification of tensile, fracture and viscoelastic characteristics of wood filler reinforced epoxy composite. <i>Wood Science and Technology</i> , 2018 , 52, 677-699	2.5	26
90	Assessment and Response of Treated Cocos nucifera Reinforced Toughened Epoxy Composite Towards Fracture and Viscoelastic Properties. <i>Journal of Polymers and the Environment</i> , 2018 , 26, 2522-2535	4.5	21
89	Suitability of Composite Material for Orthotic Calipers [Tribological Study]. <i>Materials Today: Proceedings</i> , 2018 , 5, 5608-5614	1.4	1
88	Hybrid Electrochemical Process. <i>Materials Forming, Machining and Tribology</i> , 2018 , 153-166	0.5	
87	Electrochemical Processes. <i>Materials Forming, Machining and Tribology</i> , 2018 , 105-122	0.5	
86	Thermal Processes. <i>Materials Forming, Machining and Tribology</i> , 2018 , 123-152	0.5	
85	Biomedical Design of Powered Ankle- Foot Prosthesis [A Review]. <i>Materials Today: Proceedings</i> , 2018 , 5, 3273-3282	1.4	4
84	Design and Optimization of Mixed Flow Pump Impeller Blades [A Review]. <i>Materials Today: Proceedings</i> , 2018 , 5, 4460-4466	1.4	4
83	Mechanical and tribological behaviour of nano scaled silicon carbide reinforced aluminium composites. <i>Journal of Experimental Nanoscience</i> , 2018 , 13, S1-S13	1.9	33
82	Optimization of Machine Process Parameters in EDM for EN 31 Using Evolutionary Optimization Techniques. <i>Technologies</i> , 2018 , 6, 54	2.4	27
81	Chemical Machining. <i>Materials Forming, Machining and Tribology</i> , 2018 , 89-104	0.5	
80	Application of ANN and PSO Swarm Optimization for Optimization in Advanced Manufacturing. <i>Advances in Business Information Systems and Analytics Book Series</i> , 2018 , 386-406	0.4	1
79	Identification of Optimal Process Parameters in Electro-Discharge Machining Using ANN and PSO. <i>Advances in Mechatronics and Mechanical Engineering</i> , 2018 , 72-90	0.5	2

78	Composites and Advanced Materials for Industrial Applications. <i>Advances in Chemical and Materials Engineering Book Series, 2018,</i>	0.2	6
77	Industrial Applications of Polymer Composite Materials. <i>Advances in Chemical and Materials Engineering Book Series, 2018,</i> 1-15	0.2	2
76	Selection of Prototyping Process and Part Orientation for Virtually Manufactured Gears. <i>Advances in Chemical and Materials Engineering Book Series, 2018,</i> 364-380	0.2	
75	Lower Body Orthotic Calipers With Composite Braces. <i>Advances in Mechatronics and Mechanical Engineering, 2018,</i> 133-151	0.5	
74	Optimization of Process Parameters in Plasma Arc Cutting Applying Genetic Algorithm and Fuzzy Logic. <i>Advances in Mechatronics and Mechanical Engineering, 2018,</i> 123-139	0.5	1
73	Design of Impeller Blade of Mixed Flow Pump. <i>Advances in Mechatronics and Mechanical Engineering, 2018,</i> 37-66	0.5	
72	Fabrication of Orthotic Calipers With Epoxy-Based Green Composite. <i>Advances in Chemical and Materials Engineering Book Series, 2018,</i> 157-176	0.2	
71	Application of Composites in Orthotic Calipers and its Experimental Validations. <i>Applied Mechanics and Materials, 2018,</i> 877, 44-49	0.3	
70	Design and Analysis of Powered Ankle-Foot Mechanism Using Hydraulic System. <i>Applied Mechanics and Materials, 2018,</i> 877, 384-390	0.3	
69	Design and Development of Hydraulic System for Rail-Road Breakdown Crane. <i>Materials Today: Proceedings, 2018,</i> 5, 20314-20320	1.4	
68	Design and Optimization of Mixed Flow Pump Impeller Blades with Hydrostatic Loading and Varying Semi-Cone Angle. <i>Materials Today: Proceedings, 2018,</i> 5, 11608-11615	1.4	0
67	Material Selection for Turbine Seal Strips using PROMETHEE-GAIA Method. <i>Materials Today: Proceedings, 2018,</i> 5, 17533-17539	1.4	4
66	Static Structural Analysis of a Powered Ankle Foot Prosthesis Mechanism. <i>Materials Today: Proceedings, 2018,</i> 5, 11616-11621	1.4	3
65	Design and Evaluation of Adjustable Calipers Using CAD Tools. <i>Materials Today: Proceedings, 2018,</i> 5, 13658-13663	1.4	
64	1. Fabrication of functionally graded materials: A review 2018, 1-20		
63	Experimental studies on hydrodynamic characteristics using an oblique plunging liquid jet. <i>Physics of Fluids, 2018,</i> 30, 122107	4.4	3
62	Design and optimization of mixed flow pump impeller blades by varying semi-cone angle. <i>IOP Conference Series: Materials Science and Engineering, 2018,</i> 330, 012095	0.4	3
61	Computational Fluid Flow Analysis of Base Valve for Twin Tube Shock Absorbers. <i>Materials Today: Proceedings, 2017,</i> 4, 2308-2313	1.4	1

60	Material Analysis for Blade of a Mixed Flow Pump Impeller Designed Through Mean Stream Line Method. <i>Materials Today: Proceedings</i> , 2017 , 4, 1580-1589	1.4	2
59	Effect of Process Parameters on MRR and Surface Roughness in ECM of EN 31 Tool Steel Using WPCA. <i>International Journal of Materials Forming and Machining Processes</i> , 2017 , 4, 45-63	0.1	2
58	3D CAD Modelling and Computational Fluid Analysis of Piston Valve of Twin Tube Shock Absorbers. <i>Materials Today: Proceedings</i> , 2017 , 4, 7420-7425	1.4	2
57	Comparison of Stresses in Blade of a Mixed Flow Pump Impeller Designed Using Mean Stream Line Method and Free Vortex Method. <i>Materials Today: Proceedings</i> , 2017 , 4, 9333-9340	1.4	2
56	Mechanisms and materials of orthotic calipers for polio infected patients [A review] 2017 ,		1
55	Establishment and Effect of Constraint on Different Mechanical Properties of Bamboo Filler Reinforced Epoxy Composite. <i>International Polymer Processing</i> , 2017 , 32, 308-315	1	20
54	Optimization of Process Parameters Using Taguchi Coupled Genetic Algorithm. <i>Advances in Mechatronics and Mechanical Engineering</i> , 2017 , 67-93	0.5	1
53	Process Optimization in Non-Conventional Processes. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 2017 , 82-119	0.3	
52	Strategic Planning of Cold Supply Chain Towards Good Manufacturing Practices. <i>Advances in Business Information Systems and Analytics Book Series</i> , 2017 , 200-215	0.4	
51	Strategic Best-in-Class Performance for Voice to Customer. <i>Advances in Business Information Systems and Analytics Book Series</i> , 2017 , 284-296	0.4	
50	Optimization of Process Parameters Using Soft Computing Techniques. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2017 , 177-220	0.4	
49	Strategic process optimisation for tribological behaviour of silica gel reinforced aluminium composite material by neuro-grey modelling. <i>International Journal of Process Management and Benchmarking</i> , 2016 , 6, 544	0.3	
48	Design and Analysis of Base Valve of Twin Tube Dampers. <i>Applied Mechanics and Materials</i> , 2016 , 852, 504-510	0.3	1
47	Designing of a Balanced Opposed Piston Engine. <i>Applied Mechanics and Materials</i> , 2016 , 852, 719-723	0.3	
46	Vibration Analysis of Mixed Flow Pump Impeller Blade Designed Using Mean Stream Line Method. <i>Applied Mechanics and Materials</i> , 2016 , 852, 476-482	0.3	1
45	Design of Blade of Mixed Flow Pump Impeller Using Mean Stream Line Method. <i>Procedia Technology</i> , 2016 , 23, 464-471		0
44	Mechanical and Tribological Behavior of ABS/TiO ₂ Polymer Composites and Optimization of Tribological Properties Using Grey Relational Analysis. <i>Journal of the Institution of Engineers (India): Series C</i> , 2016 , 97, 41-53	0.9	13
43	Optimization of Inventory for Optimal Replenishment Policies and Lead-Time with Time Varying Demand. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 2016 , 201-221	0.3	

42	Sustainable Operation Planning and Optimization in Manufacturing. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 2016 , 518-544	0.3	
41	Strategic Designing and Optimization of Mixed Flow Impeller Blades for Maritime Applications. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 2016 , 470-508	0.3	
40	Sustainable Non Traditional Manufacturing Processes. <i>Advances in Logistics, Operations, and Management Science Book Series</i> , 2016 , 227-271	0.3	
39	Plasma etch patterning of EUV lithography: balancing roughness and selectivity trade off 2016 ,		3
38	Material Selection for Blades of Mixed Flow Pump Impeller Using ANSYS. <i>Materials Today: Proceedings</i> , 2015 , 2, 2022-2029	1.4	6
37	Optimization and Prediction of Material Removing Rate in Die Sinking Electro Discharge Machining of EN45 Steel Tool. <i>Materials Today: Proceedings</i> , 2015 , 2, 2346-2352	1.4	9
36	Multi-objective Optimization of Electro-chemical Machining by Non-dominated Sorting Genetic Algorithm. <i>Materials Today: Proceedings</i> , 2015 , 2, 2569-2575	1.4	14
35	Optimization of Mechanical Properties of Silica Gel Reinforced Aluminium MMC by using Taguchi Method. <i>Materials Today: Proceedings</i> , 2015 , 2, 2359-2366	1.4	13
34	Analysis of Mechanical Properties of Wood Dust Reinforced Epoxy Composite Using Response Surface Methodology. <i>Advanced Materials Research</i> , 2015 , 1119, 258-262	0.5	1
33	Optimization of WEDM Process Parameters for MRR and Surface Roughness using Taguchi-Based Grey Relational Analysis. <i>International Journal of Materials Forming and Machining Processes</i> , 2015 , 2, 1-25	0.1	2
32	Trench and hole patterning with EUV resists using dual frequency capacitively coupled plasma (CCP) 2015 ,		3
31	Strength Optimization for Kaolin Reinforced Epoxy Composite Using Taguchi Method. <i>Materials Today: Proceedings</i> , 2015 , 2, 2380-2388	1.4	6
30	Optimization of Overcut in Electrochemical Machining for EN 19 Tool Steel Using Taguchi Approach. <i>Materials Today: Proceedings</i> , 2015 , 2, 2337-2345	1.4	4
29	Challenges and mitigation strategies for resist trim etch in resist-mandrel based SAQP integration scheme 2015 ,		3
28	Optimisation of Mechanical Properties of Wood Dust-reinforced Epoxy Composite Using Grey Relational Analysis. <i>Advances in Intelligent Systems and Computing</i> , 2015 , 13-24	0.4	2
27	Application of Artificial Bee Colony Algorithm for Optimization of MRR and Surface Roughness in EDM of EN31 Tool Steel 2014 , 6, 741-751		38
26	Optimization of Mechanical Properties of Epoxy based Wood Dust Reinforced Green Composite Using Taguchi Method 2014 , 5, 688-696		31
25	Optimization of MRR and Surface Roughness in PAC of EN 31 Steel Using Weighted Principal Component Analysis. <i>Procedia Technology</i> , 2014 , 14, 211-218		8

24	Effect and Optimization of Various Machine Process Parameters on the Surface Roughness in EDM for an EN41 Material Using Grey-Taguchi 2014 , 6, 383-390		32
23	Optimization of Surface Roughness and MRR in Electrochemical Machining of EN31 Tool Steel Using Grey-taguchi Approach 2014 , 6, 729-740		27
22	Optimisation of EDM process parameters using grey-Taguchi technique. <i>International Journal of Machining and Machinability of Materials</i> , 2014 , 15, 235	0.7	8
21	Design of a Mixed Flow Pump Impeller and its Validation Using FEM Analysis. <i>Procedia Technology</i> , 2014 , 14, 181-187		7
20	Investigation on Electrochemical Machining of EN31 Steel for Optimization of MRR and Surface Roughness Using Artificial Bee Colony Algorithm. <i>Procedia Engineering</i> , 2014 , 97, 1587-1596		9
19	Design and Optimization of Portable Foot Bridge. <i>Procedia Engineering</i> , 2014 , 97, 1041-1048		6
18	Effect and Optimization of Various Machine Process Parameters on the Surface Roughness in EDM for an EN19 Material Using Response Surface Methodology 2014 , 5, 1702-1709		6
17	Optimization of Material Removal Rate During Turning of SAE 1020 Material in CNC Lathe using Taguchi Technique. <i>Procedia Engineering</i> , 2014 , 97, 29-35		19
16	Design analysis of Mixed Flow Pump Impeller Blades Using ANSYS and Prediction of its Parameters using Artificial Neural Network. <i>Procedia Engineering</i> , 2014 , 97, 2022-2031		10
15	Manufacturability considerations for DSA 2014 ,		11
14	Optimization of Process Parameters in Plasma arc Cutting of EN 31 Steel Based on MRR and Multiple Roughness Characteristics Using Grey Relational Analysis 2014 , 5, 1550-1559		24
13	Study of Friction and Wear Properties of ABS/Kaolin Polymer Composites Using Grey Relational Technique. <i>Procedia Technology</i> , 2014 , 14, 196-203		19
12	Effect and Optimization of Machine Process Parameters on MRR for EN19 & EN41 Materials Using Taguchi. <i>Procedia Technology</i> , 2014 , 14, 204-210		15
11	Design of a Mixed Flow Pump Impeller Blade and its Validation Using Stress Analysis 2014 , 6, 417-424		11
10	Highly selective and precisely controlled aluminum etching by Ar/HBr/CH ₃ F/O ₂ gas chemistry. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 03DD01	1.4	1
9	Optimization of Surface Roughness and MRR in EDM Using WPCA. <i>Procedia Engineering</i> , 2013 , 64, 446-455		25
8	Virtual manufacturing of various types of gears and validation of the technique using rapid prototype. <i>Virtual and Physical Prototyping</i> , 2012 , 7, 153-171	10.1	2
7	Optimization of Material Removal Rate in EDM Using Taguchi Method. <i>Advanced Materials Research</i> , 2012 , 626, 270-274	0.5	9

6	Virtual manufacturing of gears with chip formation. <i>International Journal of Computer Applications in Technology</i> , 2008 , 33, 63	0.7	2
5	Python assisted numerical analysis of heat conduction for an orthotropic material. <i>Advances in Materials and Processing Technologies</i> ,1-15	0.8	0
4	Digital Manufacturing and Assembly Systems in Industry 4.0		2
3	Comparative Study of Mechanical and Tribological Behaviour of Thermoplast-Based Composites. <i>Advances in Chemical and Materials Engineering Book Series</i> ,78-98	0.2	
2	Efficacy of Composites for Fabrication of Orthotic Calipers. <i>Advances in Chemical and Materials Engineering Book Series</i> ,267-286	0.2	0
1	Estimation of Mechanical and Tribological Properties of Epoxy-Based Green Composites. <i>Advances in Chemical and Materials Engineering Book Series</i> ,96-124	0.2	5