

Amar Patnaik

List of Publications by Year in descending order

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139
papers

3,890
citations

117453

34
h-index

168136

53
g-index

141
all docs

141
docs citations

141
times ranked

2174
citing authors

#	ARTICLE	IF	CITATIONS
1	Solid particle erosion wear characteristics of fiber and particulate filled polymer composites: A review. <i>Wear</i> , 2010, 268, 249-263.	1.5	194
2	Biosynthesis, characterization and antibacterial activity of silver nanoparticles using an endophytic fungal supernatant of <i>Raphanus sativus</i> . <i>Journal of Genetic Engineering and Biotechnology</i> , 2017, 15, 31-39.	1.5	155
3	Mechanical and dry sliding wear characterization of epoxy-TiO ₂ particulate filled functionally graded composites materials using Taguchi design of experiment. <i>Materials & Design</i> , 2011, 32, 615-627.	5.1	134
4	Effect of fiber length on mechanical behavior of coir fiber reinforced epoxy composites. <i>Fibers and Polymers</i> , 2011, 12, 73-78.	1.1	109
5	Taguchi method applied to parametric appraisal of erosion behavior of GF-reinforced polyester composites. <i>Wear</i> , 2008, 265, 214-222.	1.5	94
6	A Comparative Study on Different Ceramic Fillers Affecting Mechanical Properties of Glass-Polyester Composites. <i>Journal of Reinforced Plastics and Composites</i> , 2009, 28, 1305-1318.	1.6	92
7	Processing and Characterization of Jute-Epoxy Composites Reinforced with SiC Derived from Rice Husk. <i>Journal of Reinforced Plastics and Composites</i> , 2010, 29, 2869-2878.	1.6	86
8	Tribo-performance of polyester hybrid composites: Damage assessment and parameter optimization using Taguchi design. <i>Materials & Design</i> , 2009, 30, 57-67.	5.1	81
9	Optimization of tribo-performance of brake friction materials: Effect of nano filler. <i>Wear</i> , 2015, 324-325, 10-16.	1.5	80
10	Implementation of Taguchi Design for Erosion of Fiber-Reinforced Polyester Composite Systems with SiC Filler. <i>Journal of Reinforced Plastics and Composites</i> , 2008, 27, 1093-1111.	1.6	76
11	Bioceramic composites for orthopaedic applications: A comprehensive review of mechanical, biological, and microstructural properties. <i>Ceramics International</i> , 2021, 47, 3013-3030.	2.3	76
12	Influence of wollastonite shape and amount on tribo-performance of non-asbestos organic brake friction composites. <i>Wear</i> , 2017, 386-387, 157-164.	1.5	73
13	Optimization of parameters in solar thermal collector provided with impinging air jets based upon preference selection index method. <i>Renewable Energy</i> , 2016, 99, 118-126.	4.3	69
14	Experimental investigation and optimization of impinging jet solar thermal collector by Taguchi method. <i>Applied Thermal Engineering</i> , 2017, 116, 100-109.	3.0	68
15	A study on processing, characterization and erosion behavior of fish (<i>Labeo-rohita</i>) scale filled epoxy matrix composites. <i>Materials & Design</i> , 2009, 30, 2359-2371.	5.1	67
16	A modeling approach for prediction of erosion behavior of glass fiber-polyester composites. <i>Journal of Polymer Research</i> , 2008, 15, 147-160.	1.2	64
17	Performance assessment of hybrid composite friction materials based on flyash-rock fibre combination. <i>Materials & Design</i> , 2010, 31, 723-731.	5.1	62
18	Waste marble dust-filled glass fiber-reinforced polymer composite Part I: Physical, thermomechanical, and erosive wear properties. <i>Polymer Composites</i> , 2019, 40, 4113-4124.	2.3	57

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19	Thermo-mechanical properties of silicon carbide filled chopped glass fiber reinforced epoxy composites. <i>International Journal of Advanced Structural Engineering</i> , 2013, 5, 1.	1.3	52
20	Thermo-Mechanical Properties and Abrasive Wear Behavior of Silicon Carbide Filled Woven Glass Fiber Composites. <i>Silicon</i> , 2014, 6, 155-168.	1.8	52
21	Investigation on mechanical and thermo-mechanical properties of granite powder filled treated jute fiber reinforced epoxy composite. <i>Polymer Composites</i> , 2017, 38, 736-748.	2.3	52
22	Hybrid entropy -TOPSIS approach for energy performance prioritization in a rectangular channel employing impinging air jets. <i>Energy</i> , 2017, 134, 360-368.	4.5	51
23	Thermo-mechanical correlations to erosion performance of short carbon fibre reinforced vinyl ester resin composites. <i>Materials & Design</i> , 2011, 32, 2260-2268.	5.1	49
24	Material Selection for Automotive Piston Component Using Entropy-VIKOR Method. <i>Silicon</i> , 2020, 12, 155-169.	1.8	49
25	Agriculture waste reinforced corn starch-based biocomposites: effect of rice husk/walnut shell on physicomachanical, biodegradable and thermal properties. <i>Materials Research Express</i> , 2019, 6, 045702.	0.8	47
26	Application of hybrid analytical hierarchy process and complex proportional assessment approach for optimal design of brake friction materials. <i>Polymer Composites</i> , 2019, 40, 1602-1608.	2.3	47
27	Experimental Investigation on Mechanical and Thermal Properties of Marble Dust Particulate-Filled Needle-Punched Nonwoven Jute Fiber/Epoxy Composite. <i>Jom</i> , 2018, 70, 1284-1288.	0.9	46
28	Fabrication of waste bagasse fiber-reinforced epoxy composites: Study of physical, mechanical, and erosion properties. <i>Polymer Composites</i> , 2019, 40, 3777-3786.	2.3	45
29	Effect of fiber loading and orientation on mechanical and erosion wear behaviors of glass-epoxy composites. <i>Polymer Composites</i> , 2011, 32, 665-674.	2.3	44
30	Assessment of braking performance of lapinus-wollastonite fibre reinforced friction composite materials. <i>Journal of King Saud University, Engineering Sciences</i> , 2017, 29, 183-190.	1.2	42
31	Investigation of nickel metal powder on tribological and mechanical properties of Al-7075 alloy composites for gear materials. <i>Powder Metallurgy</i> , 2017, 60, 371-383.	0.9	42
32	Mechanistic interpretations of fracture toughness and correlations to wear behavior of hydroxyapatite and silica/hydroxyapatite filled bis-GMA/TEGDMA micro/hybrid dental restorative composites. <i>Composites Part B: Engineering</i> , 2017, 130, 132-146.	5.9	42
33	Selection of brake friction materials using hybrid analytical hierarchy process and vise Kriterijumska Optimizacija Kompromisno Resenje approach. <i>Polymer Composites</i> , 2018, 39, 1655-1662.	2.3	41
34	Novel dental composite material reinforced with silane functionalized micro-sized gypsum filler particles. <i>Polymer Composites</i> , 2017, 38, 404-415.	2.3	39
35	Study on Erosion Response of Hybrid Composites Using Taguchi Experimental Design. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2009, 131, .	0.8	36
36	Thermo-mechanical and tribological properties of multi-walled carbon nanotubes filled friction composite materials. <i>Polymer Composites</i> , 2017, 38, 1183-1193.	2.3	33

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37	Silicon Carbide Ceramic Particulate Reinforced AA2024 Alloy Composite - Part I: Evaluation of Mechanical and Sliding Tribology Performance. <i>Silicon</i> , 2020, 12, 843-865.	1.8	33
38	Erosive Wear Performance Analysis of Jute-Epoxy-SiC Hybrid Composites. <i>Journal of Composite Materials</i> , 2010, 44, 1623-1641.	1.2	32
39	Ductile-to-brittle transition in cenosphere-filled polypropylene composites. <i>Journal of Materials Science</i> , 2011, 46, 1963-1974.	1.7	32
40	Effect of Nanoclay Reinforcement on the Friction Braking Performance of Hybrid Phenolic Friction Composites. <i>Journal of Materials Engineering and Performance</i> , 2013, 22, 796-805.	1.2	32
41	Tribology Analysis of Cobalt Particulate Filled Al 7075 Alloy for Gear Materials: a Comparative Study. <i>Silicon</i> , 2019, 11, 1295-1311.	1.8	32
42	A novel hybrid AHP-SAW approach for optimal selection of natural fiber reinforced non-asbestos organic brake friction composites. <i>Materials Research Express</i> , 2019, 6, 065701.	0.8	32
43	Experimental investigation and numerical simulation of granite powder filled polymer composites for wind turbine blade: A comparative analysis. <i>Polymer Composites</i> , 2017, 38, 1335-1352.	2.3	31
44	Utilization of Waste Marble Dust in Poly(Lactic Acid)-Based Biocomposites: Mechanical, Thermal and Wear Properties. <i>Journal of Polymers and the Environment</i> , 2021, 29, 2952-2963.	2.4	31
45	Natural fiber reinforced non-asbestos brake friction composites: Influence of ramie fiber on physico-mechanical and tribological properties. <i>Materials Research Express</i> , 2019, 6, 115701.	0.8	30
46	A Comparative Study of the Physical, Mechanical and Thermo-mechanical Behavior of GFRP Composite Based on Fabrication Techniques. <i>Fibers and Polymers</i> , 2019, 20, 823-831.	1.1	30
47	Application of waste tire rubber particles in non-asbestos organic brake friction composite materials. <i>Materials Research Express</i> , 2019, 6, 035703.	0.8	30
48	A Short Review on Polymer, Metal and Ceramic Based Implant Materials. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1017, 012038.	0.3	30
49	Parametric study and optimization of multiwalled carbon nanotube filled friction composite materials using taguchi method. <i>Polymer Composites</i> , 2018, 39, E1109.	2.3	29
50	Biomaterials for dental composite applications: A comprehensive review of physical, chemical, mechanical, thermal, tribological, and biological properties. <i>Polymers for Advanced Technologies</i> , 2022, 33, 1762-1781.	1.6	29
51	Experimental investigation on the physical, mechanical and tribological properties of hemp fiber-based non-asbestos organic brake friction composites. <i>Materials Research Express</i> , 2019, 6, 085710.	0.8	28
52	Viscoelastic interpretations of erosion performance of short aramid fibre reinforced vinyl ester resin composites. <i>Journal of Materials Science</i> , 2011, 46, 7489-7500.	1.7	26
53	Comparative investigations on three-body abrasive wear behavior of long and short glass fiber-reinforced epoxy composites. <i>Advanced Composite Materials</i> , 2014, 23, 293-317.	1.0	26
54	Mechanical and Tribological overview of ceramic particulates reinforced aluminium alloy composites. <i>Reviews on Advanced Materials Science</i> , 2019, 58, 280-294.	1.4	26

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55	FRICITION BRAKING PERFORMANCE OF NANOFILLED HYBRID FIBER REINFORCED PHENOLIC COMPOSITES: INFLUENCE OF NANOCCLAY AND CARBON NANOTUBES. Nano, 2013, 08, 1350025.	0.5	25
56	Effect of adding nanoalumina and marble dust powder on the physical, mechanical, and thermo-mechanical characterization of dental composite. Polymer Composites, 2018, 39, E321.	2.3	25
57	Physico-mechanical and tribological properties of nanoclay filled friction composite materials using Taguchi design of experiment approach. Polymer Composites, 2018, 39, 1575-1581.	2.3	24
58	Evaluation of some mechanical characterization and optimization of waste marble dust filled glass fiber reinforced polymer composite. Materials Research Express, 2019, 6, 105702.	0.8	24
59	Structural and mechanical properties of needle-punched nonwoven reinforced composites in erosive environment. Journal of Applied Polymer Science, 2012, 123, 1698-1707.	1.3	23
60	Parametric Optimization of Erosive Wear Response of TiAlN-Coated Aluminium Alloy Using Taguchi Method. Journal of Materials Engineering and Performance, 2019, 28, 838-851.	1.2	23
61	Preparation, characterization and erosion response of jute-epoxy composites reinforced with SiC derived from rice husk. International Journal of Plastics Technology, 2011, 15, 69-76.	2.9	22
62	Physico-mechanical, thermal and dynamic mechanical behaviour of natural-synthetic fiber reinforced vinylester based homogenous and functionally graded composites. Materials Research Express, 2019, 6, 025704.	0.8	22
63	Comparison of the Mechanical and Thermo-Mechanical Properties of Unfilled and SiC Filled Short Glass Polyester Composites. Silicon, 2012, 4, 175-188.	1.8	21
64	A Taguchi approach for investigation of solid particle erosion response of needle-punched nonwoven reinforced polymer composites: Part II. Journal of Industrial Textiles, 2014, 43, 458-480.	1.1	21
65	Erosive wear behavior and dynamic mechanical analysis of textile material reinforced polymer composites. Polymer Composites, 2017, 38, 2201-2211.	2.3	21
66	Preliminary Evaluations on Development of Recycled Porcelain Reinforced LM-26/Al-Si10Cu3Mg1 Alloy for Piston Materials. Silicon, 2019, 11, 1557-1573.	1.8	21
67	Application of Hybrid AHP-TOPSIS Technique in Analyzing Material Performance of Silicon Carbide Ceramic Particulate Reinforced AA2024 Alloy Composite. Silicon, 2020, 12, 1075-1084.	1.8	21
68	Mechanical and abrasive wear behavior analysis of glass and basalt fiber-reinforced epoxy composites. Polymer Composites, 2020, 41, 3717-3731.	2.3	21
69	Fabrication and characterization of micro alumina zirconia particulate filled dental restorative composite materials. Polymer Composites, 2022, 43, 1526-1535.	2.3	21
70	A Study on Modified Mechanical and Wear Characteristics of Epoxy-Particulate Filled Homogenous Composites and Their Functionally Graded Materials. Journal of Tribology, 2011, 133, .	1.0	20
71	Physico-mechanical and Surface Wear Assessment of Magnesium Oxide Filled Ceramic Composites for Hip Implant Application. Silicon, 2019, 11, 39-49.	1.8	20
72	Mechanical and visco-elastic analysis of viscose fiber based needle-punched nonwoven fabric mat reinforced polymer composites: Part I. Journal of Industrial Textiles, 2014, 43, 440-457.	1.1	19

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73	Thermal stability analysis of nano-particulate-filled phenolic-based friction composite materials. <i>Journal of Industrial Textiles</i> , 2016, 45, 1335-1349.	1.1	18
74	Room temperature wear study of Al _{0.4} FeCrNiCo ($x = 0, 0.25, 0.5$) TiO ₂ /Overlock 841-853.	1.2	18
75	Tribological and Microstructure Examination of Environmental Waste (Marble Dust) Filled Silicon Bronze Alloy for Wear Resistant Applications. <i>Silicon</i> , 2017, 9, 249-263.	1.8	17
76	Optimal design of needlepunched nonwoven fiber reinforced epoxy composites using improved preference selection index approach. <i>Journal of Materials Research and Technology</i> , 2020, 9, 7583-7591.	2.6	17
77	Effect of micro-sized marble dust on mechanical and thermo-mechanical properties of needle-punched nonwoven jute fiber reinforced polymer composites. <i>Polymer Composites</i> , 2021, 42, 881-898.	2.3	17
78	Tribological behavior of zinc oxide-hydroxyapatite particulates filled dental restorative composite materials. <i>Polymer Composites</i> , 2022, 43, 3029-3040.	2.3	17
79	Evaluation of fade-recovery performance of hybrid friction composites based on ternary combination of ceramic-fibers, ceramic-whiskers, and aramid-fibers. <i>Journal of Applied Polymer Science</i> , 2012, 124, 3650-3661.	1.3	16
80	Fabrication of Ceramic Hip Implant Composites: Influence of Silicon Nitride on Physical, Mechanical and Wear Properties. <i>Silicon</i> , 2020, 12, 1237-1245.	1.8	15
81	Comparative investigation of physical, mechanical and thermomechanical characterization of dental composite filled with nanohydroxyapatite and mineral trioxide aggregate. <i>E-Polymers</i> , 2017, 17, 311-319.	1.3	13
82	Solid Particle Erosion Behavior of Needlepunched Nonwoven Reinforced Composites. <i>Research Journal of Textile and Apparel</i> , 2010, 14, 12-22.	0.6	12
83	Temperature dependence of friction and wear performance and thermomechanical response of flyash-filled brake composites. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2013, 227, 373-384.	1.0	12
84	Mechanical and thermo-mechanical analysis based numerical simulation of granite powder filled polymer composites for wind turbine blade. <i>Fibers and Polymers</i> , 2016, 17, 1078-1089.	1.1	12
85	Experimental and numerical investigation of mechanical and erosion behavior of barium sulphate filled glass fiber reinforced polymer composites. <i>Polymer Composites</i> , 2021, 42, 753-773.	2.3	12
86	Slurry erosion behaviour of marble powder filled needle punched nonwoven reinforced epoxy composite: an optimization using Taguchi approach. <i>Materials Research Express</i> , 2019, 6, 105318.	0.8	11
87	Investigations on mechanical and sliding wear behaviour of short fibre-reinforced vinyl-ester-based homogenous and their functionally graded composites. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2012, 226, 300-315.	0.7	10
88	Erosive wear behaviour of aluminium alloys: a comparison between slurry and dry erosion. <i>Materials Research Express</i> , 2019, 6, 086503.	0.8	10
89	Preliminary evaluations on development of new materials for hip joint femoral head. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2019, 233, 885-899.	0.7	10
90	Microstructure, Thermal, Thermo-mechanical and Fracture Analyses of Hybrid AA2024-SiC Alloy Composites. <i>Transactions of the Indian Institute of Metals</i> , 2020, 73, 181-190.	0.7	10

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91	Waste Fly Ash Powder Filled Glass Fiber Reinforced Epoxy Composite: Physical, Mechanical, Thermo-mechanical, and Three-body Abrasive Wear Analysis. <i>Fibers and Polymers</i> , 2021, 22, 1120-1136.	1.1	10
92	Polymer green composites reinforced with natural fibers: A comparative study. <i>Materials Today: Proceedings</i> , 2021, 44, 4767-4769.	0.9	10
93	Thermo-mechanical and sliding wear behaviour of vinyl ester cement by-pass dust particulate-filled homogenous and their functionally graded composites. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2013, 227, 246-258.	1.0	9
94	Microstructure and Wear Behavior of Single layer (CrN) and Multilayered (SiN/CrN) Coatings on Particulate Filled Aluminum Alloy Composites. <i>Silicon</i> , 2016, 8, 417-435.	1.8	9
95	Effect of Molybdenum Content on Structure and Properties of a Co-Cr Biomedical Alloy. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 6340-6353.	1.2	9
96	Thermo-mechanical characterization of nano filled and fiber reinforced brake friction materials. <i>AIP Conference Proceedings</i> , 2013, , .	0.3	8
97	Effect of cobalt on microstructure and properties of Al _{1.5} CuFeNi ₂ Co _x high-entropy alloys. <i>Materials Research Express</i> , 2018, 5, 046514.	0.8	8
98	Effect of Marble Dust as Filler on Erosion Behaviour of Needle-punched-nonwoven Jute/Epoxy Composite. <i>SSRN Electronic Journal</i> , 2018, , .	0.4	8
99	Effect of Cobalt Content on Thermal, Mechanical, and Microstructural Properties of Al _{0.4} FeCrNiCo _x (x=0, 0.25, 0.5, 1.0) High-Entropy Alloys. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 4111-4119.		8
100	Effect of Si ₃ N ₄ Ceramic Particulates on Mechanical, Thermal, Thermo-Mechanical and Sliding Wear Performance of AA2024 Alloy Composites. <i>Silicon</i> , 2020, , 1.	1.8	8
101	Experimental and numerical investigation of thermal conductivity of marble dust filled needle punched nonwoven jute-epoxy hybrid composite. <i>Materials Today: Proceedings</i> , 2021, 38, 248-252.	0.9	8
102	Mechanical, Thermal and Thermomechanical Properties of Sponge Iron Slag filled Needle-Punched Nonwoven Jute Epoxy Hybrid Composites. <i>Fibers and Polymers</i> , 2021, 22, 1082-1098.	1.1	8
103	Erosive Wear Behaviour of Carbon Fiber/Silicon Nitride Polymer Composite for Automotive Application. <i>Energy, Environment, and Sustainability</i> , 2019, , 117-129.	0.6	8
104	Investigations on friction-fade and friction-recovery performance of phenolic composites based on fly ash-graphite combinations for braking applications. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2012, 226, 439-450.	1.0	7
105	Optimization of sliding and mechanical performance Ti/Ni metal powder particulate reinforced Al 6061 alloy composite using preference selection index method. <i>Materials Today: Proceedings</i> , 2021, 44, 4784-4788.	0.9	7
106	Mechanical physical and wear properties of some oxide ceramics for hip joint application: A short review. <i>Materials Today: Proceedings</i> , 2021, 44, 4913-4918.	0.9	7
107	Thermo-Mechanical and Fracture Characterization of Uncoated, Single and Multilayer (SiN/CrN) Coating on Granite Powder Filled Metal Alloy Composites. <i>Silicon</i> , 2016, 8, 133-143.	1.8	6
108	Mechanical characterizations and development of erosive wear model for Al ₂ O ₃ -filled short glass fiber-reinforced polymer composites. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2018, 232, 893-908.	0.7	6

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109	Effect of cobalt content on wear behaviour of Al _{0.4} FeCrNiCox (x = 0, 0.25, 0.5, 1.0 mol) high entropy alloys tested under demineralised water with and without 3.5% NaCl solution. Materials Research Express, 2019, 6, 0865b3.	0.8	6
110	Thermo-mechanical characterization of nonwoven fabric reinforced polymer composites. Materials Today: Proceedings, 2021, 44, 4770-4774.	0.9	6
111	Optimization of waste fly ash powder filled glass fiber reinforced epoxy composite by hybrid AHP-TOPSIS approach. Materials Today: Proceedings, 2021, 44, 4789-4794.	0.9	6
112	Characterization and Optimization of Slurry Erosion Behavior of SS 316 at Room Temperature. Transactions of the Indian Institute of Metals, 2021, 74, 839-849.	0.7	6
113	Parametric investigation and optimization for CO ₂ laser cladding of AlFeCoCrNiCu powder on AISI 316. High Temperature Materials and Processes, 2021, 40, 265-280.	0.6	6
114	Review on erosion wear characteristic of natural fiber reinforced polymer composite. Materials Today: Proceedings, 2021, 44, 4795-4800.	0.9	6
115	Thermal and Sliding Wear Properties of Wood Waste-Filled Poly(Lactic Acid) Biocomposites. Polymers, 2022, 14, 2230.	2.0	6
116	Laser assisted rapid manufacturing technique for the manufacturing of functionally graded materials. , 2012, , .		5
117	Experimental and finite element analysis of mechanical and fracture behaviour of Al ₂ O ₃ particulate-filled A356 alloy composites: Part II. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2015, 229, 64-76.	0.7	5
118	Optimum selection of nano- and micro-sized filler for the best combination of physical, mechanical, and wear properties of dental composites. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2018, 232, 416-428.	0.7	5
119	Development of hybrid fiber reinforced functionally graded polymer composites for mechanical and wear analysis. AIP Conference Proceedings, 2019, , .	0.3	5
120	Static and dynamic mechanical behavior of microcapsule-reinforced dental composite. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2019, 233, 1184-1190.	0.7	5
121	Tribo-behaviour of biomaterials for hip arthroplasty. Materials Today: Proceedings, 2021, 44, 4809-4815.	0.9	5
122	Wear Performance Forecasting of Chopped Fiber-Reinforced Polymer Composites: A New Approach Using Dimensional Analysis. Tribology Transactions, 2017, 60, 873-880.	1.1	4
123	Dry Sliding Wear Behavior of Al _{0.4} FeCrNiCox (x = 0, 0.25, 0.5, 1.0 mol) High-Entropy Alloys. Metallography, Microstructure, and Analysis, 2019, 8, 545-557.	0.5	4
124	Parametric Optimization of Erosion Behavior of Marble Dust Filled Aramid/Epoxy Hybrid Composite. SSRN Electronic Journal, 0, , .	0.4	4
125	Mechanical and Erosion Characteristics of Natural Fiber Reinforced Polymer Composite: Effect of Filler Size. Energy, Environment, and Sustainability, 2019, , 101-116.	0.6	4
126	Investigation of annealing on CR-2 grade steel using Taguchi and Taguchi based gray relational analysis. Advances in Materials and Processing Technologies, 2022, 8, 2231-2246.	0.8	4

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127	Experimental and Numerical Analysis of Mechanical, Thermal and Thermomechanical Properties of Hybrid Glass/Metal Fiber Reinforced Epoxy Composites. <i>Fibers and Polymers</i> , 2022, 23, 1342-1365.	1.1	4
128	Dry sliding wear analysis of aluminium alloy based cylinder liner by using linear reciprocating tribometer. <i>Materials Research Express</i> , 2019, 6, 046503.	0.8	3
129	Numerical simulation of solid particle erosion for glass fiber reinforced epoxy composites. <i>Materials Today: Proceedings</i> , 2021, 38, 285-288.	0.9	3
130	Optimal Design of Ceramic Based Hip Implant Composites Using Hybrid AHP-MOORA Approach. <i>Materials</i> , 2022, 15, 3800.	1.3	3
131	Experimental and numerical investigation on slurry erosion performance of hybrid glass/steel fiber reinforced polymer composites for marine applications. <i>Polymer Composites</i> , 2022, 43, 5592-5610.	2.3	3
132	Computational fluid dynamics modeling of erosion at diverse impact angle for glass fiber reinforced polymer composite. <i>Materials Today: Proceedings</i> , 2021, 38, 237-241.	0.9	2
133	Optimization of solid particle erosion behaviour of waste marble dust filled glass fiber polymer composite using Taguchi approach. <i>Materials Today: Proceedings</i> , 2021, 44, 4908-4912.	0.9	2
134	Experimental and numerical investigation on erosive wear performance of hybrid polymer composites. <i>Materials Today: Proceedings</i> , 2021, 44, 4775-4783.	0.9	2
135	Study the kinetics involved in solid state reduction of mill scale with lean grade coal and optimization of process parameters involved in reduction through rotary kiln furnace. <i>Materials Today: Proceedings</i> , 2021, 44, 5004-5011.	0.9	2
136	Evaluation of thermo-mechanical behavior and stress intensity factor of titania-filled zinc-aluminium alloy composites. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2013, 227, 293-307.	0.7	1
137	Effects of in situ TiC dispersion and test parameters on the dry sliding wear behaviour of aluminium bronze. <i>Materials Research Express</i> , 2019, 6, 086557.	0.8	1
138	Tribo-performance of Granite Powder Filled Glass-epoxy Composites. <i>SSRN Electronic Journal</i> , 2018, , .	0.4	0
139	Synthesis and Characterization of Metallic Iron Reduced from Low-grade Coal in Rajasthan. <i>Mining, Metallurgy and Exploration</i> , 2020, 37, 1741-1751.	0.4	0