

Sathish Kumar Palaniappan

List of Publications by Year in descending order

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papers

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47
all docs

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docs citations

47
times ranked

467
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Blend Ratio on the Thermal Comfort Characteristics of Cotton/Bamboo Blended Fabrics. Journal of Natural Fibers, 2022, 19, 105-114.	3.1	25
2	Impact of alkali treatment and fiber length on mechanical properties of new agro waste <i>Lagenaria Siceraria</i> fiber reinforced epoxy composites. Journal of Natural Fibers, 2022, 19, 6853-6864.	3.1	31
3	Effect of Cloisite 15A on the mechanical properties of an abaca-based composite. Materialpruefung/Materials Testing, 2022, 64, 125-131.	2.2	5
4	Multi-response Optimization for Evaluating Output Responses in Rock Cutting Through Grey-Fuzzy-Coupled Taguchi Technique. Mining, Metallurgy and Exploration, 2022, 39, 1133-1148.	0.8	3
5	Influence of graphene oxide on the morphological and mechanical behaviour of compatibilized low density polyethylene nanocomposites. Materials Today: Proceedings, 2021, 39, 1487-1493.	1.8	10
6	Achieving machining effectiveness for AISI 1015 structural steel through coated inserts and grey-fuzzy coupled Taguchi optimization approach. Structural and Multidisciplinary Optimization, 2021, 63, 1169-1186.	3.5	24
7	Natural Cellulosic Fiber from <i>Coccinia Indica</i> Stem for Polymer Composites: Extraction and Characterization. Journal of Natural Fibers, 2021, 18, 644-652.	3.1	44
8	Carbon-based Multi-layered Films for Electronic Application: A Review. Journal of Electronic Materials, 2021, 50, 1845-1892.	2.2	14
9	Performance assessment of hard coating on rock cutting bit and process parameter optimization through multi-response approach using DEAR-Taguchi technique. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	5
10	Suitability of Bottom Ash for Stowing in Underground Coal Mines with and Without Addition of Settling Agent. Journal of the Institution of Engineers (India): Series D, 2021, 102, 505-520.	1.0	3
11	Sonar mapping of abandoned water-logged underground coal mine and backfilling operation using underwater camera. International Journal of Mining and Mineral Engineering, 2021, 12, 181.	0.3	0
12	Influence of ultrathin gahnite anti-reflection coating on the power conversion efficiency of polycrystalline silicon solar cell. Journal of Materials Science: Materials in Electronics, 2020, 31, 2308-2319.	2.2	20
13	Influence of individual and combined pre-treatment on the strength properties of granite and sandstone. Arabian Journal of Geosciences, 2020, 13, 1.	1.3	9
14	Study on mechanical characteristics of woven cotton/bamboo hybrid reinforced composite laminates. Journal of Materials Research and Technology, 2020, 9, 718-726.	5.8	58
15	Substantial reduction of carbon black and balancing the technical properties of styrene butadiene rubber compounds using nanoclay. Journal of Rubber Research (Kuala Lumpur, Malaysia), 2020, 23, 79-87.	1.1	8
16	Experimental investigation on dynamic mechanical and thermal characteristics of <i>Coccinia Indica</i> fiber reinforced polyester composites. Journal of Engineered Fibers and Fabrics, 2020, 15, 155892502090583.	1.0	17
17	Effects of high-temperature heating and cryogenic quenching on the physico-mechanical properties of limestone. SN Applied Sciences, 2020, 2, 1.	2.9	9
18	Characterization on thermal properties of glass fiber and kevlar fiber with modified epoxy hybrid composites. Journal of Materials Research and Technology, 2020, 9, 3158-3167.	5.8	50

#	ARTICLE	IF	CITATIONS
19	A Study on Rock Cutting Forces and Wear Mechanisms of Coated Picks by Lab-Scale Linear Cutting Machine. Springer Series in Geomechanics and Geoengineering, 2020, , 467-475.	0.1	3
20	Effect of surface treatment on the tribological properties of Coccinia Indica cellulosic fiber reinforced polymer composites. Journal of Materials Research and Technology, 2020, 9, 16423-16434.	5.8	43
21	Innovative characterization and mechanical properties of natural cellulosic Coccinia Indica fiber and its composites. Materialpruefung/Materials Testing, 2020, 62, 61-67.	2.2	20
22	Reactive compatibilization effect of graphene oxide reinforced butyl rubber nanocomposites. Polimeros, 2020, 30, .	0.7	3
23	Comparison of MA-g-PP effectiveness through mechanical performance of functionalised graphene reinforced polypropylene. Polimeros, 2020, 30, .	0.7	7
24	Impact of nanoclay on mechanical and structural properties of treated Coccinia indica fibre reinforced epoxy composites. Journal of Materials Research and Technology, 2019, 8, 6021-6028.	5.8	65
25	Experimental investigation on the effect of multilayer TiCN/TiAlN/WC-C coating on the tribological behaviour of tool inserts for machining applications. International Journal of Materials Engineering Innovation, 2019, 10, 186.	0.5	3
26	Experimental investigation on the effect of ceramic coating on the wear resistance of Al6061 substrate. Journal of Materials Research and Technology, 2019, 8, 6125-6133.	5.8	19
27	Experimental analysis on the technical behavior of carbon black filled rubber blends™ rollers for rice husk removal application. Polimery, 2019, 64, 50-55.	0.7	1
28	Experimental investigation on the effect of multilayer TiCN/TiAlN/WC-C coating on the tribological behaviour of tool inserts for machining applications. International Journal of Materials Engineering Innovation, 2019, 10, 186.	0.5	1
29	Fabrication and characterisation of nanofibrous polyurethane scaffold incorporated with corn and neem oil using single stage electrospinning technique for bone tissue engineering applications. Journal of Polymer Research, 2018, 25, 1.	2.4	42
30	CHAPTER 10. Recycling of Rubber Blends for Durable Construction. RSC Green Chemistry, 2018, , 259-274.	0.1	2
31	CHAPTER 11. Recycling of Rubber Composites and Nanocomposites. RSC Green Chemistry, 2018, , 275-309.	0.1	1
32	Development of calcium titanium oxide coated silicon solar cells for enhanced voltage generation capacity. Materials Science-Poland, 2017, 35, 181-187.	1.0	3
33	Tribomechanical behavior of B4Cp reinforced Al 359 composites. Materialpruefung/Materials Testing, 2017, 59, 172-177.	2.2	5
34	Reduction of harmful nitrogen oxide emission from low heat rejection diesel engine using carbon nanotubes. Thermal Science, 2016, 20, 1181-1187.	1.1	4
35	Research updates on graphene oxide€based polymeric nanocomposites. Polymer Composites, 2014, 35, 2297-2310.	4.6	47
36	Characterization of Fracture Pattern of Indian Coal Measure Rock Under Uniaxial Compression Stress by Statistical Analysis of Fractal Dimension of the Microcrack Orientation. Journal of the Institution of Engineers (India): Series D, 0, , 1.	1.0	5