

Samir Kumar Pal

List of Publications by Year in descending order

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papers

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docs citations

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times ranked

701
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Blend Ratio on the Thermal Comfort Characteristics of Cotton/Bamboo Blended Fabrics. <i>Journal of Natural Fibers</i> , 2022, 19, 105-114.	1.7	25
2	Prediction of gross calorific value as a function of proximate parameters for Jharia and Raniganj coal using machine learning based regression methods. <i>International Journal of Coal Preparation and Utilization</i> , 2022, 42, 3763-3776.	1.2	2
3	Multi-response Optimization for Evaluating Output Responses in Rock Cutting Through Grey-Fuzzy-Coupled Taguchi Technique. <i>Mining, Metallurgy and Exploration</i> , 2022, 39, 1133-1148.	0.4	3
4	Investigation of TiAlN, AlTiN, and TiAlSiN Coated Inserts on the Machining Performance of AISI 420 Steel and Multi-Objective Optimization of Process Parameters. <i>Journal of the Institution of Engineers (India): Series D</i> , 2022, 103, 563-573.	0.6	4
5	Natural Cellulosic Fiber from <i>Coccinia Indica</i> Stem for Polymer Composites: Extraction and Characterization. <i>Journal of Natural Fibers</i> , 2021, 18, 644-652.	1.7	44
6	Performance assessment of hard coating on rock cutting bit and process parameter optimization through multi-response approach using DEAR-Taguchi technique. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	5
7	Experimental investigation on potential use of drilling parameters to quantify rock strength. <i>International Journal of Geo-Engineering</i> , 2021, 12, 1.	0.9	5
8	Suitability of Bottom Ash for Stowing in Underground Coal Mines with and Without Addition of Settling Agent. <i>Journal of the Institution of Engineers (India): Series D</i> , 2021, 102, 505-520.	0.6	3
9	Influence of individual and combined pre-treatment on the strength properties of granite and sandstone. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	9
10	Prediction of Mechanical Properties of Sedimentary Type Rocks Using Rotary Drilling Parameters. <i>Geotechnical and Geological Engineering</i> , 2020, 38, 4863-4876.	0.8	5
11	Substantial reduction of carbon black and balancing the technical properties of styrene butadiene rubber compounds using nanoclay. <i>Journal of Rubber Research (Kuala Lumpur, Malaysia)</i> , 2020, 23, 79-87.	0.4	8
12	MWD technique to estimate the uniaxial compressive strength of rocks. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
13	Effects of high-temperature heating and cryogenic quenching on the physico-mechanical properties of limestone. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	9
14	A Study on Rock Cutting Forces and Wear Mechanisms of Coated Picks by Lab-Scale Linear Cutting Machine. <i>Springer Series in Geomechanics and Geoengineering</i> , 2020, , 467-475.	0.0	3
15	Innovative characterization and mechanical properties of natural cellulosic <i>Coccinia Indica</i> fiber and its composites. <i>Materialpruefung/Materials Testing</i> , 2020, 62, 61-67.	0.8	20
16	Reactive compatibilization effect of graphene oxide reinforced butyl rubber nanocomposites. <i>Polimeros</i> , 2020, 30, .	0.2	3
17	Impact of nanoclay on mechanical and structural properties of treated <i>Coccinia indica</i> fibre reinforced epoxy composites. <i>Journal of Materials Research and Technology</i> , 2019, 8, 6021-6028.	2.6	65
18	Estimation of Rock Strength Properties Using Selected Mechanical Parameters Obtained During the Rotary Drilling. <i>Journal of the Institution of Engineers (India): Series D</i> , 2019, 100, 177-186.	0.6	8

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19	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.	0.2	3
20	CO ₂ sorption and rate characteristics in micropores of shales. Journal of Natural Gas Science and Engineering, 2019, 68, 102903.	2.1	17
21	Experimental analysis on the technical behavior of carbon black filled rubber blends™ rollers for rice husk removal application. Polimery, 2019, 64, 50-55.	0.4	1
22	A Review on Biodegradable Polymeric Materials Striving Towards the Attainment of Green Environment. Journal of Polymers and the Environment, 2018, 26, 838-865.	2.4	52
23	Pore characteristics of Damodar valley shale and their effect on gas storage potential. Journal of Petroleum Science and Engineering, 2018, 162, 725-735.	2.1	37
24	Effect of Cryogenic Pre-Treatment on Breakage Characteristics of Rocks. Journal of Mining Science, 2018, 54, 202-211.	0.1	4
25	Effect of coating on tool inserts and cutting fluid flow rate on the machining performance of AISI 1015 steel. Materialpruefung/Materials Testing, 2018, 60, 1202-1208.	0.8	7
26	CHAPTER 10. Recycling of Rubber Blends for Durable Construction. RSC Green Chemistry, 2018, , 259-274.	0.0	2
27	Pre-treatment of rocks prior to comminution – A critical review of present practices. International Journal of Mining Science and Technology, 2017, 27, 339-348.	4.6	59
28	Organic/Montmorillonite Nanocomposite Membranes. , 2017, , 133-164.		4
29	Organic/Silica Nanocomposite Membranes. , 2017, , 47-72.		3
30	Source rock characteristics and pore characterization of Indian shale. Journal of Natural Gas Science and Engineering, 2017, 45, 761-770.	2.1	18
31	Development of calcium titanium oxide coated silicon solar cells for enhanced voltage generation capacity. Materials Science-Poland, 2017, 35, 181-187.	0.4	3
32	Review on Parameters Influencing the Rice Breakage and Rubber Roll Wear in Sheller. Archives of Metallurgy and Materials, 2017, 62, 1875-1880.	0.6	12
33	Influence of Rock Properties on Wear of M and SR Grade Rubber with Varying Normal Load and Sliding Speed. Archives of Metallurgy and Materials, 2017, 62, 1787-1793.	0.6	4
34	Effects of abaca fiber reinforcement on the dynamic mechanical behavior of vinyl ester composites. Materialpruefung/Materials Testing, 2017, 59, 555-562.	0.8	15
35	Tribomechanical behavior of TiCN/TiAlN/WC-C multilayer film on cutting tool inserts for machining. Materialpruefung/Materials Testing, 2017, 59, 703-707.	0.8	11
36	Evaluation of pre-jamming indication parameter during blind backfilling technique. Journal of Sustainable Mining, 2016, 15, 100-107.	0.1	2

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37	Paints and Coating of Multicomponent Product. Springer Series in Materials Science, 2016, , 157-226.	0.4	2
38	Methane adsorption and pore characterization of Indian shale samples. Journal of Unconventional Oil and Gas Resources, 2015, 11, 1-10.	3.5	33
39	Comparison of void volume for volumetric adsorption studies on Ashales from India. Journal of Natural Gas Science and Engineering, 2015, 26, 725-729.	2.1	12
40	Research updates on graphene oxide based polymeric nanocomposites. Polymer Composites, 2014, 35, 2297-2310.	2.3	47
41	Influence of fillers on NR/SBR/XNBR blends. Morphology and wear. Tribology International, 2010, 43, 1542-1550.	3.0	22
42	Image-based quality monitoring system of limestone ore grades. Computers in Industry, 2010, 61, 391-408.	5.7	54
43	Influence of Fillers on NR/SBR Blends Containing ENR-Organoclay Nanocomposites: Morphology and Wear. Journal of Nanoscience and Nanotechnology, 2010, 10, 3022-3033.	0.9	5
44	Effect of Filler and Urethane Rubber on NR/BR with Nanosilica: Morphology and Wear. Journal of Thermoplastic Composite Materials, 2010, 23, 717-739.	2.6	13
45	Use of carboxylated nitrile rubber and natural rubber blends as retreading compound for OTR tires. Polymer Engineering and Science, 2008, 48, 2410-2417.	1.5	19
46	Rock-type classification of an iron ore deposit using digital image analysis technique. International Journal of Mining and Mineral Engineering, 2008, 1, 22.	0.1	8
47	Wear Behavior of Silica Filled Tire Tread Compounds by Various Rock Surfaces. Rubber Chemistry and Technology, 2005, 78, 705-723.	0.6	26
48	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.	0.6	5