

Amit Chauhan

List of Publications by Year in descending order

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31
papers

907
citations

933447

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526287

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all docs

31
docs citations

31
times ranked

724
citing authors

#	ARTICLE	IF	CITATIONS
1	Wind-Hydro Combined Bidding Approach for Congestion Management Under Secured Bilateral Transactions in Hybrid Power System. IETE Journal of Research, 2023, 69, 354-367.	2.6	8
2	Optimization of Reinforcement Parameters and Turning Conditions for Improving Surface Quality of Hybrid Al-SiC-Red Mud Composite for Automotive and Aerospace Components. , 2022, , 237-262.		0
3	Static thermal performance evaluation of elliptical journal bearings with nanolubricants. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2021, 235, 1627-1640.	1.8	6
4	Numerical and Experimental Studies on Performance Enhancement of Journal Bearings Using Nanoparticles Based Lubricants. Archives of Computational Methods in Engineering, 2021, 28, 3887-3915.	10.2	10
5	Study of friction force behaviour of red-mud based aluminium matrix composites under influence of various operating parameters. Materials Today: Proceedings, 2021, 46, 9555-9560.	1.8	1
6	Effect of non-newtonian lubricants on static and dynamic characteristics of journal bearings. Materials Today: Proceedings, 2020, 28, 1345-1349.	1.8	11
7	An overview of the controllable process parameters in mechanical characterization of developed hybrid metal matrix composites and their optimization for advanced engineering applications. Materials Today: Proceedings, 2020, 28, 1295-1301.	1.8	3
8	Fabrication of Aluminum 6061 Red-mud Composite using Stir Casting and Micro Structure Observation. Materials Today: Proceedings, 2020, 21, 2014-2023.	1.8	14
9	Graphene nanoparticles: The super material of future. Materials Today: Proceedings, 2020, 28, 1290-1294.	1.8	9
10	Parametric behaviour optimisation of macro and micro hardness for heat treated Al 6061-red mud composite. Journal of Materials Research and Technology, 2019, 8, 660-669.	5.8	14
11	A review of microstructure, mechanical properties and wear behavior of hybrid aluminium matrix composites fabricated via stir casting route. Sadhana - Academy Proceedings in Engineering Sciences, 2019, 44, 1.	1.3	20
12	Investigations on dry sliding frictional and wear characteristics of SiC and red mud reinforced Al2024 matrix hybrid composites using Taguchi's approach. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2019, 233, 1923-1938.	1.1	10
13	Financial analysis of reactive power procurement in pool-based deregulated power market integrated with DFIG-based wind farms. International Transactions on Electrical Energy Systems, 2019, 29, e2739.	1.9	4
14	Fabrication methods of particulate reinforced Aluminium metal matrix composite-A review. Materials Today: Proceedings, 2018, 5, 5933-5939.	1.8	113
15	Mechanical Characterization of hybrid aluminium composite-a review. Materials Today: Proceedings, 2018, 5, 27840-27844.	1.8	19
16	Optimizing the effect of reinforcement, particle size and aging on impact strength for Al 6061-red mud composite using Taguchi technique. Sadhana - Academy Proceedings in Engineering Sciences, 2018, 43, 1.	1.3	11
17	Influence of Reinforcement Parameters and Ageing Time on Mechanical Behavior of Novel Al2024/SiC/Red Mud Composites Using Response Surface Methodology. Jom, 2017, 69, 2471-2479.	1.9	6
18	Fabrication characteristics and tensile strength of novel Al2024/SiC/red mud composites processed via stir casting route. Transactions of Nonferrous Metals Society of China, 2017, 27, 2573-2586.	4.2	37

#	ARTICLE	IF	CITATIONS
19	Effect of nanoparticles based lubricants on static thermal behaviour of journal bearings: A review. Research Journal of Engineering and Technology, 2017, 8, 149.	0.3	7
20	Overview of wear performance of aluminium matrix composites reinforced with ceramic materials under the influence of controllable variables. Ceramics International, 2016, 42, 56-81.	4.8	168
21	Characterization of hybrid aluminum matrix composites for advanced applications – A review. Journal of Materials Research and Technology, 2016, 5, 159-169.	5.8	315
22	Parametric study of hybrid Savonius-Darrieus turbine. , 2015, , .		1
23	Simulation Studies on Vertical Offset Non-Circular Journal Bearing Profile. Tribology Online, 2014, 9, 31-36.	0.9	5
24	A Review on Sliding Wear Behaviour of Aluminium Matrix Composites with Hybrid Reinforcements for Automotive Applications. Tribology Online, 2014, 9, 121-134.	0.9	32
25	Development of aluminum composites using Red mud as reinforcement- A review. , 2014, , .		6
26	An Experimental Investigation of Oil Film Temperatures in Elliptical Profile Journal Bearing. Tribology Online, 2013, 8, 1-6.	0.9	8
27	A study of thermal effects in an offset-halves journal bearing profile using different grade oils. Lubrication Science, 2011, 23, 233-248.	2.1	11
28	Thermohydrodynamic studies based on different grade oils in offset-halves journal bearing. Lubrication Science, 2011, 23, 375-392.	2.1	5
29	Thermohydrodynamic analysis of elliptical journal bearing with different grade oils. Tribology International, 2010, 43, 1970-1977.	5.9	50
30	An Experimental Determination of Temperature Profile in an Offset-halves Journal Bearing with Different Oils. Tribology Online, 2007, 2, 83-88.	0.9	2
31	Friction Characteristics of Hybrid Aluminium 6061 Composite Reinforced With Silicon Carbide and Red-Mud. SSRN Electronic Journal, 0, , .	0.4	1