

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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31
docs citations

31
times ranked

724
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Characterization of hybrid aluminum matrix composites for advanced applications – A review. Journal of Materials Research and Technology, 2016, 5, 159-169. | 5.8 | 315 |
| 2 | 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 |
| 3 | Fabrication methods of particulate reinforced Aluminium metal matrix composite-A review. Materials Today: Proceedings, 2018, 5, 5933-5939. | 1.8 | 113 |
| 4 | Thermohydrodynamic analysis of elliptical journal bearing with different grade oils. Tribology International, 2010, 43, 1970-1977. | 5.9 | 50 |
| 5 | Fabrication characteristics and tensile strength of novel Al ₂ O ₃ /SiC/red mud composites processed via stir casting route. Transactions of Nonferrous Metals Society of China, 2017, 27, 2573-2586. | 4.2 | 37 |
| 6 | 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 |
| 7 | 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 |
| 8 | Mechanical Characterization of hybrid aluminium composite-a review. Materials Today: Proceedings, 2018, 5, 27840-27844. | 1.8 | 19 |
| 9 | 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 |
| 10 | Fabrication of Aluminum 6061 Red-mud Composite using Stir Casting and Micro Structure Observation. Materials Today: Proceedings, 2020, 21, 2014-2023. | 1.8 | 14 |
| 11 | A study of thermal effects in an offset journal bearing profile using different grade oils. Lubrication Science, 2011, 23, 233-248. | 2.1 | 11 |
| 12 | 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 |
| 13 | Effect of non-newtonian lubricants on static and dynamic characteristics of journal bearings. Materials Today: Proceedings, 2020, 28, 1345-1349. | 1.8 | 11 |
| 14 | Investigations on dry sliding frictional and wear characteristics of SiC and red mud reinforced Al ₂ O ₃ 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 |
| 15 | 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 |
| 16 | Graphene nanoparticles: The super material of future. Materials Today: Proceedings, 2020, 28, 1290-1294. | 1.8 | 9 |
| 17 | An Experimental Investigation of Oil Film Temperatures in Elliptical Profile Journal Bearing. Tribology Online, 2013, 8, 1-6. | 0.9 | 8 |
| 18 | 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 |

| # | 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 | Development of aluminum composites using Red mud as reinforcement- A review. , 2014, , . | | 6 |
| 21 | 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 |
| 22 | 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 |
| 23 | Thermohydrodynamic studies based on different grade oils in offset-halves journal bearing. Lubrication Science, 2011, 23, 375-392. | 2.1 | 5 |
| 24 | Simulation Studies on Vertical Offset Non-Circular Journal Bearing Profile. Tribology Online, 2014, 9, 31-36. | 0.9 | 5 |
| 25 | 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 |
| 26 | 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 |
| 27 | An Experimental Determination of Temperature Profile in an Offset-halves Journal Bearing with Different Oils. Tribology Online, 2007, 2, 83-88. | 0.9 | 2 |
| 28 | Parametric study of hybrid Savonius-Darrieus turbine. , 2015, , . | | 1 |
| 29 | Friction Characteristics of Hybrid Aluminium 6061 Composite Reinforced With Silicon Carbide and Red-Mud. SSRN Electronic Journal, 0, , . | 0.4 | 1 |
| 30 | 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 |
| 31 | 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 |