

Saurabh Dewangan

List of Publications by Year in descending order

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28
papers

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1040056

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docs citations

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155
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Effect of heat treatment into tensile strength, hardness and microstructural attributes of TIG welded Ti-6Al-4V titanium alloy. Australian Journal of Mechanical Engineering, 2024, 22, 27-36. | 2.1 | 6 |
| 2 | Performance analysis of heat treated AISI 1020 steel samples on the basis of various destructive mechanical testing and microstructural behaviour. Australian Journal of Mechanical Engineering, 2022, 20, 74-87. | 2.1 | 15 |
| 3 | Modelling and simulation of stress generation and temperature distribution in conical picks during linear coal-cutting process. Materials Today: Proceedings, 2022, , . | 1.8 | 1 |
| 4 | Study and comparison of microstructures in Ti-alloy before and after the heat treatment. Materials Today: Proceedings, 2022, , . | 1.8 | 1 |
| 5 | A discussion on mechanical behaviour of Heat-Treated low carbon steel. Materials Today: Proceedings, 2022, 63, 362-367. | 1.8 | 3 |
| 6 | Investigation into defects occurred in friction stir welded joint of 6061-T6 aluminium alloy. Materials Today: Proceedings, 2021, 46, 8910-8916. | 1.8 | 1 |
| 7 | Analysis of property variation in AISI 1020 steel after heat treatment. AIP Conference Proceedings, 2021, , . | 0.4 | 2 |
| 8 | Analysis of Elastic Deflection of Single Point Cutting Tool and Optimization of Cutting Speed in Turning Operation by Using MADM Method. IOP Conference Series: Materials Science and Engineering, 2021, 1104, 012017. | 0.6 | 0 |
| 9 | Preliminary Investigations of Structure and Properties of TIG Welded Ti-6Al-4V Alloy. Advances in Science and Technology Research Journal, 2021, 15, 156-165. | 0.8 | 5 |
| 10 | Discussion and analysis of microstructural variation in welded joint of Ti-alloy after heat treatment. AIP Conference Proceedings, 2021, , . | 0.4 | 1 |
| 11 | An assessment into mechanical properties and microstructural behavior of TIG welded Ti-6Al-4V titanium alloy. Grey Systems Theory and Application, 2020, 10, 281-292. | 2.1 | 21 |
| 12 | Comparative analysis into mechanical properties and microstructural attributes of quenched and tempered 0.2%-C steel. World Journal of Engineering, 2020, 17, 127-133. | 1.6 | 11 |
| 13 | Critical observation and analysis into wear phenomena in WC-10%Co drill bits. AIP Conference Proceedings, 2019, , . | 0.4 | 1 |
| 14 | Temperature distribution analysis and hardness measurement into TIG welded stainless steel plates. AIP Conference Proceedings, 2019, , . | 0.4 | 3 |
| 15 | On the Critical Assessment into Damage Behavior of a WC-Co Hard Metal Alloy Used in the Form of Rock Drill Bits. Journal of Failure Analysis and Prevention, 2019, 19, 461-470. | 0.9 | 4 |
| 16 | Some analysis into 0.18%-C steel work piece undergone through turning operation by using HSS [KT-8 (M42)] single point tool. AIP Conference Proceedings, 2019, , . | 0.4 | 1 |
| 17 | Wear Characterization into WC-Co by FESEM. Materials Today: Proceedings, 2018, 5, 3533-3540. | 1.8 | 5 |
| 18 | Characterization of Failure Behavior in Distorted WC-Co Tip of Coal Mining Picks. Journal of Failure Analysis and Prevention, 2017, 17, 136-143. | 0.9 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | MICROSTRUCTURAL STUDY OF FAILURE PHENOMENA IN WC 94%-Co 6% HARD METAL ALLOY TIPS OF RADIAL PICKS. <i>Advances in Science and Technology Research Journal</i> , 2017, 11, 36-47. | 0.8 | 11 |
| 20 | Performance Analysis of Two Different Conical Picks Used in Linear Cutting Operation of Coal. <i>Arabian Journal for Science and Engineering</i> , 2016, 41, 249-265. | 1.1 | 28 |
| 21 | Characterization of Wear Mechanisms in Distorted Conical Picks After Coal Cutting. <i>Rock Mechanics and Rock Engineering</i> , 2016, 49, 225-242. | 5.4 | 38 |
| 22 | Critical Damage Analysis of WC-Co Tip of Conical Pick due to Coal Excavation in Mines. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-7. | 1.8 | 22 |
| 23 | Critical Analysis of Wear Mechanisms in Cemented Carbide. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 2628-2636. | 2.5 | 22 |
| 24 | Discussion on Wear Phenomenain Cemented Carbide. <i>Procedia Earth and Planetary Science</i> , 2015, 11, 284-293. | 0.6 | 23 |
| 25 | Wear Assessment of Conical Pick used in Coal Cutting Operation. <i>Rock Mechanics and Rock Engineering</i> , 2015, 48, 2129-2139. | 5.4 | 66 |
| 26 | Investigation into Coal Fragmentation Analysis by Using Conical Pick. , 2014, 5, 2411-2417. | | 4 |
| 27 | Investigation into Coal Cutting Operation by Using Conical Pick of Cast Iron with LH710 Coated Tip. <i>Applied Mechanics and Materials</i> , 0, 592-594, 426-431. | 0.2 | 2 |
| 28 | Discussion on Ranking the Sawability of Rocks Using a Combined Multiple Attribute Decision Making Method. <i>Applied Mechanics and Materials</i> , 0, 592-594, 864-868. | 0.2 | 3 |