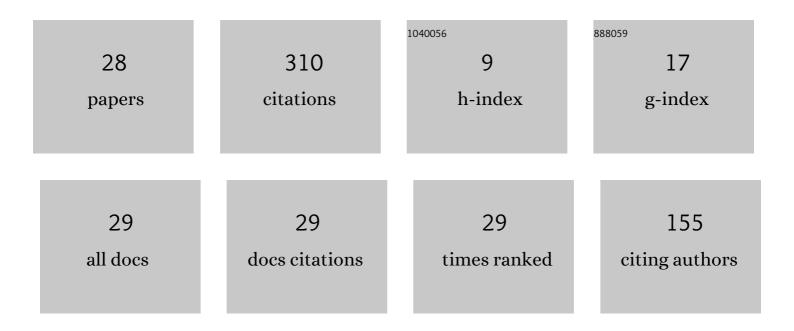
Saurabh Dewangan

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Wear Assessment of Conical Pick used in Coal Cutting Operation. Rock Mechanics and Rock Engineering, 2015, 48, 2129-2139.	5.4	66
2	Characterization of Wear Mechanisms in Distorted Conical Picks After Coal Cutting. Rock Mechanics and Rock Engineering, 2016, 49, 225-242.	5.4	38
3	Performance Analysis of Two Different Conical Picks Used in Linear Cutting Operation of Coal. Arabian Journal for Science and Engineering, 2016, 41, 249-265.	1.1	28
4	Discussion on Wear Phenomenain Cemented Carbide. Procedia Earth and Planetary Science, 2015, 11, 284-293.	0.6	23
5	Critical Damage Analysis of WC-Co Tip of Conical Pick due to Coal Excavation in Mines. Advances in Materials Science and Engineering, 2015, 2015, 1-7.	1.8	22
6	Critical Analysis of Wear Mechanisms in Cemented Carbide. Journal of Materials Engineering and Performance, 2015, 24, 2628-2636.	2.5	22
7	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
8	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
9	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
10	MICROSTRUCTURAL STUDY OF FAILURE PHENOMENA IN WC 94%-Co 6% HARD METAL ALLOY TIPS OF RADIAL PICKS. Advances in Science and Technology Research Journal, 2017, 11, 36-47.	0.8	11
11	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
12	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
13	Wear Characterization into WC-Co by FESEM. Materials Today: Proceedings, 2018, 5, 3533-3540.	1.8	5
14	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
15	Investigation into Coal Fragmentation Analysis by Using Conical Pick. , 2014, 5, 2411-2417.		4
16	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
17	Discussion on Ranking the Sawability of Rocks Using a Combined Multiple Attribute Decision Making Method. Applied Mechanics and Materials, 0, 592-594, 864-868.	0.2	3
18	Temperature distribution analysis and hardness measurement into TIG welded stainless steel plates. AIP Conference Proceedings, 2019, , .	0.4	3

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#	Article	IF	CITATIONS
19	A discussion on mechanical behaviour of Heat-Treated low carbon steel. Materials Today: Proceedings, 2022, 63, 362-367.	1.8	3
20	Investigation into Coal Cutting Operation by Using Conical Pick of Cast Iron with LH710 Coated Tip. Applied Mechanics and Materials, 0, 592-594, 426-431.	0.2	2
21	Analysis of property variation in AISI 1020 steel after heat treatment. AIP Conference Proceedings, 2021,	0.4	2
22	Critical observation and analysis into wear phenomena in WC-10%Co drill bits. AIP Conference Proceedings, 2019, , .	0.4	1
23	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
24	Investigation into defects occurred in friction stir welded joint of 6061-T6 aluminium alloy. Materials Today: Proceedings, 2021, 46, 8910-8916.	1.8	1
25	Discussion and analysis of microstructural variation in welded joint of Ti-alloy after heat treatment. AIP Conference Proceedings, 2021, , .	0.4	1
26	Modelling and simulation of stress generation and temperature distribution in conical picks during linear coal-cutting process. Materials Today: Proceedings, 2022, , .	1.8	1
27	Study and comparison of microstructures in Ti-alloy before and after the heat treatment. Materials Today: Proceedings, 2022, , .	1.8	1
28	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