

# Sandeep Sahu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32  
papers

300  
citations

11  
h-index

16  
g-index

33  
ext. papers

361  
ext. citations

2.5  
avg, IF

3.85  
L-index

#	Paper	IF	Citations
32	Electron Backscatter Diffraction Technique: Fundamentals to Applications. <i>IITK Directions</i> , <b>2022</b> , 35-60	0.5	
31	Mechanical and corrosion behavior of SiC/Graphite/ZrO <sub>2</sub> hybrid reinforced aluminum-based composites for marine environment. <i>Surface Topography: Metrology and Properties</i> , <b>2021</b> ,	1.5	1
30	Physical, Mechanical, and Tribological Properties of Industrial Waste Fly Ash Reinforced AA5083 Composites Fabricated by Stir Casting Process. <i>Journal of Bio- and Tribo-Corrosion</i> , <b>2021</b> , 7, 1	2.9	2
29	An analytical modelling of cutting forces in orthogonal elliptical vibration cutting. <i>Journal of Micromanufacturing</i> , <b>2021</b> , 4, 36-49	1.7	
28	The effect of grain boundary structure on chromium carbide precipitation in alloy 600. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 260, 124145	4.4	2
27	Microstructure, Texture and Mechanical Properties of Al-Mg-Si Alloy Processed by Multiaxial Compression. <i>Journal of Materials Engineering and Performance</i> , <b>2020</b> , 29, 3876-3888	1.6	
26	Effect of Annealing and Aging Treatment on Pitting Corrosion Resistance of Fine-Grained Mg-8%Al-0.5%Zn Alloy. <i>Jom</i> , <b>2019</b> , 71, 4758-4768	2.1	5
25	Control of electrical leakage in magneto-electric gallium ferrite via aliovalent substitution. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 7414-7427	3.8	3
24	Effects of combined multiaxial forging and rolling process on microstructure, mechanical properties and corrosion behavior of a CuTi alloys. <i>Materials Research Express</i> , <b>2019</b> , 6, 056559	1.7	1
23	Development and properties evaluation of marble dust reinforced ZA-27 alloy composites for ball bearing application. <i>Materials Research Express</i> , <b>2019</b> , 6, 076525	1.7	5
22	Influence of Multidirectional Forging on Microstructural, Mechanical, and Corrosion Behavior of Mg-Zn Alloy. <i>Journal of Materials Engineering and Performance</i> , <b>2019</b> , 28, 2053-2062	1.6	10
21	Development, Characterization, Mechanical and Corrosion Behaviour Investigation of Multi-direction Forged MgZn Alloy. <i>Minerals, Metals and Materials Series</i> , <b>2019</b> , 339-343	0.3	1
20	Influence of short heat-treatment on microstructural and mechanical inhomogeneity of constrained groove pressed Cu-Zn alloy. <i>Materials Chemistry and Physics</i> , <b>2019</b> , 238, 121912	4.4	5
19	Investigation of dry sliding wear properties of multi-directional forged MgZn alloys. <i>Journal of Magnesium and Alloys</i> , <b>2019</b> , 7, 444-455	8.8	10
18	Influence of Multiaxial Cryoforging on Microstructural, Mechanical, and Corrosion Properties of Copper-Titanium Alloy. <i>Journal of Materials Engineering and Performance</i> , <b>2019</b> , 28, 7629-7641	1.6	2
17	Effect of multiaxial cryoforging on microstructure and mechanical properties of a Cu-Ti Alloy. <i>Materials Research Express</i> , <b>2019</b> , 6, 026556	1.7	3
16	The effect of grain boundary structure on sensitization behavior in a nickel-based superalloy. <i>Journal of Materials Science</i> , <b>2019</b> , 54, 1797-1818	4.3	14

15	Corrosion Behavior of ECAP-Processed AM90 Magnesium Alloy. <i>Arabian Journal for Science and Engineering</i> , <b>2018</b> , 43, 4871-4878	2.5	18
14	Effect of heat-treatment on microstructural evolution and mechanical behaviour of severely deformed Inconel 718. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2018</b> , 715, 295-306	5.3	20
13	Comparative evaluation of hot corrosion resistance of nanostructured AlCrN and TiAlN coatings on cobalt-based superalloys. <i>Journal of Materials Research</i> , <b>2018</b> , 33, 1023-1031	2.5	4
12	Investigation of microstructure and mechanical properties of the Cu $\beta$ % Ti alloy processed by multiaxial cryo-forging. <i>Journal of Materials Research</i> , <b>2018</b> , 33, 3700-3710	2.5	8
11	Use of Hot Rolling for Generating Low Deviation Twins and a Disconnected Random Boundary Network in Inconel 600 Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2018</b> , 49, 628-643	2.3	11
10	Modeling and verification of temperature rise during machining. <i>Journal of the Chinese Advanced Materials Society</i> , <b>2018</b> , 6, 817-826		1
9	Microstructure Evolution and Mechanical and Corrosion Behavior of Accumulative Roll Bonded Mg-2%Zn/Al-7075 Multilayered Composite. <i>Journal of Materials Engineering and Performance</i> , <b>2017</b> , 26, 1726-1734	1.6	21
8	Development and properties evaluation of Mg $\beta$ % Zn/Al multilayered composites processed by accumulative roll bonding. <i>Journal of Materials Research</i> , <b>2017</b> , 32, 2249-2257	2.5	8
7	Microstructural Evolution and Strengthening of AM90 Magnesium Alloy Processed by ECAP. <i>Arabian Journal for Science and Engineering</i> , <b>2017</b> , 42, 4635-4647	2.5	15
6	Fractal Analysis as Applied to Fractography in Ferritic Stainless Steel. <i>Metallography, Microstructure, and Analysis</i> , <b>2017</b> , 6, 598-609	1.1	9
5	Development and characteristics of accumulative roll bonded Mg-Zn/Ce/Al hybrid composite. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 724, 146-154	5.7	21
4	Wear Properties of ECAP-Processed AM80 Magnesium Alloy. <i>Journal of Materials Engineering and Performance</i> , <b>2017</b> , 26, 3399-3409	1.6	14
3	Microstructural Inhomogeneity in Constrained Groove Pressed Cu-Zn Alloy Sheet. <i>Journal of Materials Engineering and Performance</i> , <b>2016</b> , 25, 2604-2614	1.6	38
2	Investigation of Microstructure and Mechanical Properties of ECAP-Processed AM Series Magnesium Alloy. <i>Journal of Materials Engineering and Performance</i> , <b>2016</b> , 25, 3737-3745	1.6	34
1	Controlled Evolution of Coincidence Site Lattice Related Grain Boundaries. <i>Transactions of the Indian Institute of Metals</i> , <b>2016</b> , 69, 1745-1753	1.2	14