Sandeep Sahu

List of Publications by Citations

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	Microstructural Inhomogeneity in Constrained Groove Pressed Cu-Zn Alloy Sheet. *Journal of Materials Engineering and Performance*, **2016**, 25, 2604-2614	1.6	38
31	Investigation of Microstructure and Mechanical Properties of ECAP-Processed AM Series Magnesium Alloy. *Journal of Materials Engineering and Performance*, **2016**, 25, 3737-3745	1.6	34
30	Microstructure Evolution and Mechanical and Corrosion Behavior of Accumulative Roll Bonded Mg-2%Zn/Al-7075 Multilayered Composite. *Journal of Materials Engineering and Performance*, **2017**, 26, 1726-1734	1.6	21
29	Development and characteristics of accumulative roll bonded Mg-Zn/Ce/Al hybrid composite. *Journal of Alloys and Compounds*, **2017**, 724, 146-154	5.7	21
28	Effect of heat-treatment on microstructural evolution and mechanical behaviour of severely deformed Inconel 718. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2018**, 715, 295-306	5.3	20
27	Corrosion Behavior of ECAP-Processed AM90 Magnesium Alloy. *Arabian Journal for Science and Engineering*, **2018**, 43, 4871-4878	2.5	18
26	Microstructural Evolution and Strengthening of AM90 Magnesium Alloy Processed by ECAP. *Arabian Journal for Science and Engineering*, **2017**, 42, 4635-4647	2.5	15
25	Controlled Evolution of Coincidence Site Lattice Related Grain Boundaries. *Transactions of the Indian Institute of Metals*, **2016**, 69, 1745-1753	1.2	14
24	Wear Properties of ECAP-Processed AM80 Magnesium Alloy. *Journal of Materials Engineering and Performance*, **2017**, 26, 3399-3409	1.6	14
23	The effect of grain boundary structure on sensitization behavior in a nickel-based superalloy. *Journal of Materials Science*, **2019**, 54, 1797-1818	4.3	14
22	Use of Hot Rolling for Generating Low Deviation Twins and a Disconnected Random Boundary Network in Inconel 600 Alloy. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2018**, 49, 628-643	2.3	11
21	Influence of Multidirectional Forging on Microstructural, Mechanical, and Corrosion Behavior of Mg-Zn Alloy. *Journal of Materials Engineering and Performance*, **2019**, 28, 2053-2062	1.6	10
20	Investigation of dry sliding wear properties of multi-directional forged Mg□n alloys. *Journal of Magnesium and Alloys*, **2019**, 7, 444-455	8.8	10
19	Fractal Analysis as Applied to Fractography in Ferritic Stainless Steel. *Metallography, Microstructure, and Analysis*, **2017**, 6, 598-609	1.1	9
18	Development and properties evaluation of Mg□% Zn/Al multilayered composites processed by accumulative roll bonding. *Journal of Materials Research*, **2017**, 32, 2249-2257	2.5	8
17	Investigation of microstructure and mechanical properties of the Cu□% Ti alloy processed by multiaxial cryo-forging. *Journal of Materials Research*, **2018**, 33, 3700-3710	2.5	8
16	Effect of Annealing and Aging Treatment on Pitting Corrosion Resistance of Fine-Grained Mg-8%Al-0.5%Zn Alloy. *Jom*, **2019**, 71, 4758-4768	2.1	5

List of Publications

15	Development and properties evaluation of marble dust reinforced ZA-27 alloy composites for ball bearing application. *Materials Research Express*, **2019**, 6, 076525	1.7	5
14	Influence of short heat-treatment on microstructural and mechanical inhomogeneity of constrained groove pressed Cu-Zn alloy. *Materials Chemistry and Physics*, **2019**, 238, 121912	4.4	5
13	Comparative evaluation of hot corrosion resistance of nanostructured AlCrN and TiAlN coatings on cobalt-based superalloys. *Journal of Materials Research*, **2018**, 33, 1023-1031	2.5	4
12	Control of electrical leakage in magneto-electric gallium ferrite via aliovalent substitution. *Journal of the American Ceramic Society*, **2019**, 102, 7414-7427	3.8	3
11	Effect of multiaxial cryoforging on microstructure and mechanical properties of a Cu-Ti Alloy. *Materials Research Express*, **2019**, 6, 026556	1.7	3
10	Physical, Mechanical, and Tribological Properties of Industrial Waste Fly Ash Reinforced AA5083 Composites Fabricated by Stir Casting Process. *Journal of Bio- and Tribo-Corrosion*, **2021**, 7, 1	2.9	2
9	Influence of Multiaxial Cryoforging on Microstructural, Mechanical, and Corrosion Properties of Copper-Titanium Alloy. *Journal of Materials Engineering and Performance*, **2019**, 28, 7629-7641	1.6	2
8	The effect of grain boundary structure on chromium carbide precipitation in alloy 600. *Materials Chemistry and Physics*, **2021**, 260, 124145	4.4	2
7	Effects of combined multiaxial forging and rolling process on microstructure, mechanical properties and corrosion behavior of a Cu□i alloys. *Materials Research Express*, **2019**, 6, 056559	1.7	1
6	Development, Characterization, Mechanical and Corrosion Behaviour Investigation of Multi-direction Forged Mg□n Alloy. *Minerals, Metals and Materials Series*, **2019**, 339-343	0.3	1
5	Mechanical and corrosion behavior of SiC/Graphite/ZrO2 hybrid reinforced aluminum-based composites for marine environment. *Surface Topography: Metrology and Properties*, **2021**,	1.5	1
4	Modeling and verification of temperature rise during machining. *Journal of the Chinese Advanced Materials Society*, **2018**, 6, 817-826		1
3	Microstructure, Texture and Mechanical Properties of Al-Mg-Si Alloy Processed by Multiaxial Compression. *Journal of Materials Engineering and Performance*, **2020**, 29, 3876-3888	1.6	
2	Electron Backscatter Diffraction Technique: Fundamentals to Applications. *IITK Directions*, **2022**, 35-60	0.5	
1	An analytical modelling of cutting forces in orthogonal elliptical vibration cutting. *Journal of Micromanufacturing*, **2021**, 4, 36-49	1.7	