

Aditya Gokhale

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

158
citations

1163117

8
h-index

1199594

12
g-index

19
all docs

19
docs citations

19
times ranked

147
citing authors

#	ARTICLE	IF	CITATIONS
1	Failure analysis of SS 304 HCu reheater tube of a supercritical power plant. Engineering Failure Analysis, 2022, 137, 106244.	4.0	10
2	Tailoring the surface microstructure and texture in pure zinc. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 816, 141258.	5.6	7
3	Grain boundary sliding and non-constancy strain during stress relaxation of pure Mg. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 817, 141349.	5.6	12
4	Cyclic nanoindentation studies of HgCdTe epitaxial films. Materials Research Express, 2020, 7, 016430.	1.6	2
5	Effects of Texture on the High Temperature Scratch Wear Behavior in Zinc. IOP Conference Series: Materials Science and Engineering, 2020, 894, 012016.	0.6	0
6	Nanowear Mechanisms of Mg Alloyed with Al and Y at Elevated Temperatures. Tribology Letters, 2020, 68, 1.	2.6	7
7	Effect of crystal orientation on indentation-induced deformation behavior of zinc. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 776, 139064.	5.6	9
8	Characterization of Deformation and Wear Mechanisms During Indentation Scratching on Pure Zinc. Journal of Tribology, 2020, 142, .	1.9	1
9	Effect of Loading Rate on Creep Properties of HgCdTe Epitaxial Films. Defence Science Journal, 2020, 70, 493-497.	0.8	1
10	Cathodoluminescence Studies of Nanoindented CdZnTe Single Crystal Substrates for Analysis of Residual Stresses and Deformation Behaviour. Defence Science Journal, 2020, 70, 650-655.	0.8	1
11	Bridging Length Scales in the Analysis of Transient Tests for Metallic Materials. Journal of Engineering Materials and Technology, Transactions of the ASME, 2019, 141, .	1.4	2
12	A novel approach to refine surface grains in pure zinc using indentation scratch. Materials Letters, 2019, 247, 151-154.	2.6	6
13	Quantitative evaluation of grain boundary sliding and its dependence on orientation and temperature in pure Zn. Materials Letters, 2019, 246, 24-27.	2.6	9
14	Effect of nano-sized sintering additives on microstructure and mechanical properties of Si3N4 ceramics. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 750, 132-140.	5.6	33
15	Effect of Grain Orientation on Indentation Induced Creep in Pure Zinc. Journal of Engineering Materials and Technology, Transactions of the ASME, 2019, 141, .	1.4	2
16	Investigation of stress relaxation mechanisms for ductility improvement in SS316L. Philosophical Magazine, 2018, 98, 165-181.	1.6	28
17	Fatigue behavior of aged and solution treated AZ61 Mg alloy at small length scale using nanoindentation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 684, 652-659.	5.6	16
18	Influence of Zn Addition on Micro-scale Wear of Mg-xZn (x=6wt%) Alloys. Tribology Letters, 2017, 65, 1.	2.6	11

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19	Icosahedral Cluster Energetics in Zr ₆₀ Cu ₁₀ Al ₁₅ Ni ₁₅ Bulk Metallic Glass and Their Role on Solidification Behavior. Transactions of the Indian Institute of Metals, 2015, 68, 1107-1112.	1.5	1