

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 | Effect of nano-sized sintering additives on microstructure and mechanical properties of Si ₃ N ₄ ceramics. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 750, 132-140. | 5.6 | 33 |
| 2 | Investigation of stress relaxation mechanisms for ductility improvement in SS316L. Philosophical Magazine, 2018, 98, 165-181. | 1.6 | 28 |
| 3 | 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 |
| 4 | 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 |
| 5 | Influence of Zn Addition on Micro-scale Wear of Mg-xZn (x=1-6wt%) Alloys. Tribology Letters, 2017, 65, 1. | 2.6 | 11 |
| 6 | Failure analysis of SS 304 HCu reheater tube of a supercritical power plant. Engineering Failure Analysis, 2022, 137, 106244. | 4.0 | 10 |
| 7 | 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 |
| 8 | 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 |
| 9 | Nanowear Mechanisms of Mg Alloyed with Al and Y at Elevated Temperatures. Tribology Letters, 2020, 68, 1. | 2.6 | 7 |
| 10 | 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 |
| 11 | A novel approach to refine surface grains in pure zinc using indentation scratch. Materials Letters, 2019, 247, 151-154. | 2.6 | 6 |
| 12 | 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 |
| 13 | Cyclic nanoindentation studies of HgCdTe epitaxial films. Materials Research Express, 2020, 7, 016430. | 1.6 | 2 |
| 14 | 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 |
| 15 | 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 |
| 16 | Characterization of Deformation and Wear Mechanisms During Indentation Scratching on Pure Zinc. Journal of Tribology, 2020, 142, . | 1.9 | 1 |
| 17 | Effect of Loading Rate on Creep Properties of HgCdTe Epitaxial Films. Defence Science Journal, 2020, 70, 493-497. | 0.8 | 1 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | 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 |