

Yuan Xiao

List of Publications by Year in descending order

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7
papers

206
citations

1307594

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178
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| # | ARTICLE | IF | CITATIONS |
|---|--|-----|-----------|
| 1 | Micro-compression studies of face-centered cubic and body-centered cubic high-entropy alloys: Size-dependent strength, strain rate sensitivity, and activation volumes. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 790, 139429. | 5.6 | 48 |
| 2 | Effect of Ni interlayer on strength and microstructure of diffusion-bonded Mo/Cu joints. <i>Materials Letters</i> , 2012, 66, 113-116. | 2.6 | 45 |
| 3 | Effect of Al thin film and Ni foil interlayer on diffusion bonded Mg-Al dissimilar joints. <i>Journal of Alloys and Compounds</i> , 2013, 556, 139-142. | 5.5 | 45 |
| 4 | Combinatorial investigation of Al-Cu intermetallics using small-scale mechanical testing. <i>Journal of Alloys and Compounds</i> , 2020, 822, 153536. | 5.5 | 24 |
| 5 | Size-dependent strengthening in multi-principal element, face-centered cubic alloys. <i>Materials and Design</i> , 2020, 193, 108786. | 7.0 | 17 |
| 6 | Size- and strain rate-dependence of nickel and Ni-Co micropillars with varying stacking fault energy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 800, 140266. | 5.6 | 14 |
| 7 | Applicability of focused Ion beam (FIB) milling with gallium, neon, and xenon to the fracture toughness characterization of gold thin films. <i>Journal of Materials Research</i> , 2021, 36, 2505-2514. | 2.6 | 13 |