

Yun-Fei Jia

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

317
citations

840776

11
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839539

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all docs

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docs citations

19
times ranked

289
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | A finite element simulation on fully coupled diffusion, stress and chemical reaction. <i>Mechanics of Materials</i> , 2022, 166, 104217. | 3.2 | 4 |
| 2 | Achieving High Strength-plasticity of Nanoscale Lamellar Grain Extracted from Gradient Lamellar Nickel. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2022, 35, . | 3.7 | 1 |
| 3 | The effect of grain boundary structures on crack nucleation in nickel nanolaminated structure: A molecular dynamics study. <i>Computational Materials Science</i> , 2021, 186, 110019. | 3.0 | 3 |
| 4 | Elucidating the effect of gradient structure on strengthening mechanisms and fatigue behavior of pure titanium. <i>International Journal of Fatigue</i> , 2021, 146, 106142. | 5.7 | 32 |
| 5 | Differences in Deformation Behaviors Caused by Microband-Induced Plasticity of [0 0 1]- and [1 1 1]-Oriented Austenite Micro-Pillars. <i>Metals</i> , 2021, 11, 1179. | 2.3 | 0 |
| 6 | Grain-refining and strengthening mechanisms of bulk ultrafine grained CP-Ti processed by L-ECAP and MDF. <i>Journal of Materials Science and Technology</i> , 2021, 83, 196-207. | 10.7 | 38 |
| 7 | Effect of ultrasonic surface deep rolling combined with oxygen boost diffusion treatment on fatigue properties of pure titanium. <i>Scientific Reports</i> , 2021, 11, 17840. | 3.3 | 5 |
| 8 | Fatigue-induced evolution of nanograins and residual stress in the nanostructured surface layer of Ti-6Al-4V. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 764, 138205. | 5.6 | 11 |
| 9 | Rate-dependent plastic buckling of a core-shell wire. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 435502. | 2.8 | 4 |
| 10 | Enhanced surface strengthening of titanium treated by combined surface deep-rolling and oxygen boost diffusion technique. <i>Corrosion Science</i> , 2019, 157, 256-267. | 6.6 | 14 |
| 11 | Influence of grain size on the small fatigue crack initiation and propagation behaviors of a nickel-based superalloy at 650°C. <i>Journal of Materials Science and Technology</i> , 2019, 35, 1607-1617. | 10.7 | 59 |
| 12 | Effects of Different Mechanical Surface Enhancement Techniques on Surface Integrity and Fatigue Properties of Ti-6Al-4V: A Review. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2019, 44, 445-469. | 12.3 | 35 |
| 13 | Microstructural Evolution, Mechanical Properties and Thermal Stability of Gradient Structured Pure Nickel. <i>Acta Metallurgica Sinica (English Letters)</i> , 2019, 32, 951-960. | 2.9 | 9 |
| 14 | Micro-deformation evolutions of the constituent phases in duplex stainless steel during cyclic nanoindentation. <i>Scientific Reports</i> , 2018, 8, 6199. | 3.3 | 13 |
| 15 | Gradient Elastic-Plastic Properties of Expanded Austenite Layer in 316L Stainless Steel. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018, 31, 831-841. | 2.9 | 19 |
| 16 | Gradient effect in the waved interfacial layer of 304L/533B bimetallic plates induced by explosive welding. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 704, 493-502. | 5.6 | 22 |
| 17 | Comparison between single loading-unloading indentation and continuous stiffness indentation. <i>RSC Advances</i> , 2017, 7, 35655-35665. | 3.6 | 25 |
| 18 | A modified analysis for thermal-mechanical properties of staggered structure in biomimetic materials. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2012, 16, 109-120. | 3.1 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Anisotropic fatigue behavior of human enamel characterized by multi-cycling nanoindentation. Journal of the Mechanical Behavior of Biomedical Materials, 2012, 16, 163-168. | 3.1 | 21 |