

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
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

289
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
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	Comparison between single loading-unloading indentation and continuous stiffness indentation. <i>RSC Advances</i> , 2017, 7, 35655-35665.	3.6	25
6	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
7	Anisotropic fatigue behavior of human enamel characterized by multi-cycling nanoindentation. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2012, 16, 163-168.	3.1	21
8	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
9	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
10	Micro-deformation evolutions of the constituent phases in duplex stainless steel during cyclic nanoindentation. <i>Scientific Reports</i> , 2018, 8, 6199.	3.3	13
11	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
12	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
13	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
14	Rate-dependent plastic buckling of a core-shell wire. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 435502.	2.8	4
15	A finite element simulation on fully coupled diffusion, stress and chemical reaction. <i>Mechanics of Materials</i> , 2022, 166, 104217.	3.2	4
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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