Jiangting Wang

List of Publications by Year
in descending order

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23 papers	590 citations	623574 14 h-index	642610 23 g-index
24 all docs	24 docs citations	24 times ranked	634 citing authors

#	Article	IF	Citations
1	Investigation of precipitate hardening of slip and twinning in Mg5%Zn by micropillar compression. Acta Materialia, 2015, 100, 53-63.	3.8	93
2	Transformation from cluster to nano-precipitate in microalloyed ferritic steel. Scripta Materialia, 2019, 160, 53-57.	2.6	46
3	On the Ti-Mo-Fe-C atomic clustering during interphase precipitation in the Ti-Mo steel studied by advanced microscopic techniques. Materials and Design, 2016, 111, 222-229.	3.3	44
4	The effect of strain on interphase precipitation characteristics in a Ti-Mo steel. Acta Materialia, 2019, 170, 75-86.	3.8	44
5	Effects of pores on shear bands in metallic glasses: A molecular dynamics study. Computational Materials Science, 2010, 50, 211-217.	1.4	42
6	Quantification of precipitate hardening of twin nucleation and growth in Mg and Mg-5Zn using micro-pillar compression. Acta Materialia, 2019, 163, 68-77.	3.8	38
7	Effects of hot-deformation on grain boundary precipitation and segregation in Ti-Mo microalloyed steels. Materials and Design, 2018, 141, 48-56.	3.3	37
8	Effects of quenching rate on amorphous structures of Cu46Zr54 metallic glass. Journal of Materials Processing Technology, 2009, 209, 4601-4606.	3.1	32
9	Interfacial reactions between titanium and boron nitride nanotubes. Scripta Materialia, 2017, 127, 108-112.	2.6	27
10	Boron nitride nanotube reinforced titanium metal matrix composites with excellent high-temperature performance. Journal of Materials Research, 2017, 32, 3744-3752.	1.2	24
11	Sliding wear behavior of plasma sprayed Fe3Alâ€“Al2O3 graded coatings. Thin Solid Films, 2008, 516, 5681-5685.	0.8	23
12	Enhanced mechanical response of an ultrafine grained Tiâ€“6Alâ€“4V alloy produced through warm symmetric and asymmetric rolling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 650, 404-413.	2.6	23
13	Static recrystallization of strip cast alloys in the presence of complex nano-sulfide and nitride precipitates. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 581, 39-47.	2.6	18
14	Anisotropic compressive behaviour of turbostratic graphite in carbon fibre. Applied Materials Today, 2017, 9, 196-203.	2.3	17
15	Strain gradients in Cuâ€“Fe thin films and multilayers during micropillar compression. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 651, 146-154.	2.6	15
16	A critical assessment of work hardening in TWIP steels through micropillar compression. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 696, 42-51.	2.6	15
17	Extrinsic size effect in microcompression of polycrystalline Cu/Fe multilayers. Scripta Materialia, 2013, 69, 626-629.	2.6	14
18	Interphase precipitation hardening of a TiMo microalloyed dual-phase steel produced by continuous cooling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 804, 140518.	2.6	10

#	Article	IF	Citations
19	Effects of mechanical properties on the contact profile in Berkovich nanoindentation of elastoplastic materials. Journal of Materials Research, 2012, 27, 313-319.	1.2	9
20	Identification of critical strains for the random cellular automata finite element failure model based on in-situ tensile test. Mechanics of Materials, 2019, 133, 154-164.	1.7	8
21	Mechanical Behavior of Nano-crystalline Metallic Thin Films and Multilayers Under Microcompression. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 1405-1412.	1.1	5
22	Interface characteristics and precipitation during the austenite-to-ferrite transformation of a Ti-Mo microalloyed steel. Journal of Alloys and Compounds, 2022, 893, 162224.	2.8	4
23	On the Degradation of Retained Austenite in Transformation Induced Plasticity Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 3802-3810.	1.1	2