

Seong-Woong Kim

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

365
citations

840776

11
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

370
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ observations of crack arrest and bridging by nanoscale twins in copper thin films. <i>Acta Materialia</i> , 2012, 60, 2959-2972.	7.9	77
2	Tensile properties of a newly developed high-temperature titanium alloy at room temperature and 650°C. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 718, 287-291.	5.6	74
3	In-situ observations of deformation twins and crack propagation in a CoCrFeNiMn high-entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 718, 321-325.	5.6	39
4	An in-situ transmission electron microscopy study on room temperature ductility of TiAl alloys with fully lamellar microstructure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 589, 140-145.	5.6	28
5	Systematic investigation of the deformation mechanisms of a β -TiAl single crystal. <i>Scientific Reports</i> , 2018, 8, 15200.	3.3	27
6	Microstructure and phase transformation behavior of a new high temperature NiTiHf-Ta shape memory alloy with excellent formability. <i>Journal of Alloys and Compounds</i> , 2017, 697, 55-61.	5.5	19
7	Martensitic phase transformation of TiNi thin films fabricated by co-sputtering deposition. <i>Journal of Alloys and Compounds</i> , 2013, 580, 5-9.	5.5	18
8	In situ TEM study of crack-grain boundary interactions in thin copper foils. <i>Scripta Materialia</i> , 2013, 68, 154-157.	5.2	17
9	Producing fine fully lamellar microstructure for cast β -TiAl without hot working. <i>Intermetallics</i> , 2020, 120, 106728.	3.9	15
10	Estimation of Transformation Temperatures in Ti-Ni-Pd Shape Memory Alloys. <i>Metals and Materials International</i> , 2018, 24, 919-925.	3.4	13
11	Origin of enhanced room temperature ductility in TiAl alloys: Reducing activation difference of deformation mechanism of β phase. <i>Journal of Alloys and Compounds</i> , 2022, 899, 163307.	5.5	11
12	Fracture toughness of free-standing nanocrystalline copper-chromium composite thin films. <i>Acta Materialia</i> , 2015, 84, 95-109.	7.9	9
13	Effect of plastic working on martensitic phase transformation characteristics of TiNi alloys. <i>Journal of Alloys and Compounds</i> , 2014, 610, 315-321.	5.5	8
14	Fracture toughness of TiNiHf alloys: A hybrid study using in-situ transmission electron microscopy experiments and finite element analyses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 655, 363-372.	5.6	6
15	Fabrication, characterization and testing of thin films with novel microstructures. <i>Scripta Materialia</i> , 2011, 64, 629-632.	5.2	4