

Jae Nam Kim

List of Publications by Year in descending order

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papers

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933447

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#	ARTICLE	IF	CITATIONS
1	Origin of superior low-cycle fatigue resistance of an interstitial metastable high-entropy alloy. <i>Journal of Materials Science and Technology</i> , 2022, 115, 115-128.	10.7	10
2	Influence of Microstructure on Low-Cycle and Extremely-Low-Cycle Fatigue Resistance of Low-Carbon Steels. <i>Metals and Materials International</i> , 2021, 27, 3862-3874.	3.4	8
3	Tailoring Extra-Strength of a TWIP Steel by Combination of Multi-Pass Equal-Channel Angular Pressing and Warm Rolling. <i>Metals</i> , 2021, 11, 518.	2.3	13
4	Effect of grain size on the low-cycle fatigue behavior of carbon-containing high-entropy alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 810, 140985.	5.6	27
5	Effect of tempering duration on hydrogen embrittlement of vanadium-added tempered martensitic steel. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 19670-19681.	7.1	23
6	Microstructural evolution and mechanical properties of nanocrystalline Fe-Mn-Al-C steel processed by high-pressure torsion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 827, 142073.	5.6	13
7	Effect of V/Mo ratio on the evolution of carbide precipitates and hydrogen embrittlement of tempered martensitic steel. <i>Corrosion Science</i> , 2020, 176, 108929.	6.6	33
8	Effect of undissolved Nb carbides on mechanical properties of hydrogen-precharged tempered martensitic steel. <i>Scientific Reports</i> , 2020, 10, 11704.	3.3	8
9	Ambivalent Role of Annealing in Tensile Properties of Step-Rolled Ti-6Al-4V with Ultrafine-Grained Structure. <i>Metals</i> , 2020, 10, 684.	2.3	4
10	Improved cold-rollability of duplex lightweight steels utilizing deformation-induced ferritic transformation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 742, 835-841.	5.6	7
11	Microstructure and Nanosize Precipitate of Nitrided 316L Stainless Steel. <i>Metals and Materials International</i> , 2019, 25, 127-134.	3.4	2
12	Effects of carbon content on the tensile and fatigue properties in hydrogen-charged Fe-17Mn-xC steels: The opposing trends. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 724, 469-476.	5.6	14
13	Structure and Stoichiometry of Mg _x Zn _y in Hot-Dipped Zn-Mg-Al Coating Layer on Interstitial-Free Steel. <i>Metals and Materials International</i> , 2018, 24, 1090-1098.	3.4	13
14	Effect of grain boundary engineering on hydrogen embrittlement in Fe-Mn-C TWIP steel at various strain rates. <i>Corrosion Science</i> , 2018, 142, 213-221.	6.6	61
15	Effect of Thermo-mechanical Treatment on the Formation Behavior of Martensite in 316L Stainless Steel. <i>Journal of Korean Institute of Metals and Materials</i> , 2018, 56, .	1.0	0
16	Effect of Thermo-mechanical Treatment on the Damping Capacity of 316L Stainless Steel. <i>Journal of Korean Institute of Metals and Materials</i> , 2015, 53, 919-930.	1.0	2
17	A new method to determine trace boron concentration of iron and steel by SIMS direct ion image. <i>Metals and Materials International</i> , 2012, 18, 361-369.	3.4	7
18	Changes in chemical behavior of thin film lead zirconate titanate during Ar ⁺ -ion bombardment using XPS. <i>Applied Surface Science</i> , 2003, 206, 119-128.	6.1	54

#	ARTICLE	IF	CITATIONS
19	Characterization of ferroelectric ceramics using x-ray diffraction, transmission electron microscopy, and x-ray photoelectron spectroscopy. <i>Smart Materials and Structures</i> , 2003, 12, 565-570.	3.5	5
20	Effects of surface treatment using aqua regia solution on the change of surface band bending of p-type GaN. <i>Journal of Electronic Materials</i> , 2001, 30, 129-133.	2.2	44
21	Corrosion and Toughness of Experimental and Commercial Super Ferritic Stainless Steels. <i>Corrosion</i> , 1999, 55, 743-755.	1.1	19