

Yong-Sik Ahn

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

260
citations

1163117

8
h-index

940533

16
g-index

24
all docs

24
docs citations

24
times ranked

207
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved bake-hardening response of Al-Zn-Mg-Cu alloy through pre-aging treatment. <i>Scripta Materialia</i> , 2018, 147, 45-49.	5.2	97
2	Effect of transition elements on the microstructure and tensile properties of Al-12Si alloy cast under ultrasonic melt treatment. <i>Journal of Alloys and Compounds</i> , 2017, 712, 277-287.	5.5	37
3	Effect of Ni and Mn on the Mechanical Properties of 22Cr Micro-duplex Stainless Steel. <i>Acta Metallurgica Sinica (English Letters)</i> , 2015, 28, 32-38.	2.9	14
4	Chromium carbide coating of diamond particles using low temperature molten salt mixture. <i>Journal of Alloys and Compounds</i> , 2019, 805, 648-653.	5.5	13
5	Effect of Bake Hardening Treatment on Mechanical Properties of 7075 Aluminum Alloy Sheets Fabricated by Twin Roll Strip Casting. <i>Journal of Korean Institute of Metals and Materials</i> , 2016, 54, 483-491.	1.0	13
6	Effect of Mo addition on aging behavior of TRIP-aided duplex stainless steel. <i>Materials Characterization</i> , 2021, 173, 110946.	4.4	12
7	Fatigue behaviour of A356 aluminium alloy for automotive wheels. <i>International Journal of Cast Metals Research</i> , 2012, 25, 26-30.	1.0	10
8	Microstructure and Mechanical Properties of Gas Tungsten Arc Welded High Manganese Steel Sheet. <i>Metals</i> , 2019, 9, 1167.	2.3	10
9	Coating of chromium and titanium carbide on diamond particles in molten LiCl-KCl-NaCl. <i>Journal of Alloys and Compounds</i> , 2020, 849, 156508.	5.5	9
10	Microstructures and wear properties of Al-Mg-Si alloy with the addition of ball-milled CoNi powders. <i>Materials Characterization</i> , 2012, 70, 137-144.	4.4	8
11	Effects of Cooling Rate during Quenching and Tempering Conditions on Microstructures and Mechanical Properties of Carbon Steel Flange. <i>Materials</i> , 2020, 13, 4186.	2.9	8
12	Topographically designed hybrid nanostructures via nanotransfer printing and block copolymer self-assembly. <i>Nanoscale</i> , 2021, 13, 11161-11168.	5.6	5
13	Standardization of a shear test method for lead-free solder paste chip joints. <i>Journal of Materials Science</i> , 2007, 42, 7451-7456.	3.7	4
14	Comparison of Creep Properties of Cast and Wrought Haynes 282 Superalloy. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-7.	1.8	4
15	Effect of Heat Treatment and Drawing on High-Manganese Steel Pipe Welded by Gas Tungsten Arc. <i>Metals</i> , 2020, 10, 1366.	2.3	4
16	Controlled self-assembly of block copolymers in printed sub-20 nm cross-bar structures. <i>Nanoscale Advances</i> , 2021, 3, 5083-5089.	4.6	4
17	Effect of alloy composition on high-temperature bending fatigue strength of ferritic stainless steels. <i>Metals and Materials International</i> , 2011, 17, 911-915.	3.4	3
18	Chromium Carbide Coating on Diamond Particle Using Molten Salts. <i>Korean Journal of Materials Research</i> , 2018, 28, 423-427.	0.2	2

#	ARTICLE	IF	CITATIONS
19	Effect of Ni and Mn on Strain Induced Martensite Behavior of 22Cr Micro-Duplex Stainless steel. Journal of Power System Engineering, 2013, 17, 122-129.	0.4	2
20	Study of a Forging Process for the Application of Boron Steel for Automotive Wheel Nut Material. Journal of Power System Engineering, 2017, 21, 41-47.	0.4	1
21	High Temperature Creep-Fatigue Behavior of 25Cr-13Ni Stainless Steel. Journal of the Korean Society for Heat Treatment, 2015, 28, 68-74.	0.1	0
22	Refinement of Microstructures for Aluminum Piston through Ultrasonic Melt Treatment. Journal of the Korea Foundry Society, 2016, 36, 53-59.	0.2	0
23	The Optimal Design of Insert Die in the Forging by using the mechanical property of a Boron Steel for Automotive Wheel Bolt. Journal of Power System Engineering, 2019, 23, 43-50.	0.4	0
24	Design of Anti-releasing Parallel Serration Type Wheel Bolt for Large Trucks. Journal of Power System Engineering, 2020, 24, 26-31.	0.3	0