

Ji-Woon Lee

List of Publications by Year in descending order

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18
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1307366

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#	ARTICLE	IF	CITATIONS
1	Evaluation of hot deformation characteristics in modified AA5052 using processing map and activation energy map under deformation heating. <i>Journal of Alloys and Compounds</i> , 2018, 740, 96-108.	2.8	44
2	Mechanism of grain boundary serration during hot deformation of AZ31 alloy: Role of grain boundary dislocations and grain boundary sliding. <i>International Journal of Plasticity</i> , 2020, 125, 118-132.	4.1	43
3	Effects of high Mg content and processing parameters on Portevin-Le Chatelier and negative strain rate sensitivity effects in Al-Mg alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 779, 139151.	2.6	38
4	Continuous dynamic recrystallization behavior and kinetics of Al-Mg-Si alloy modified with CaO-added Mg. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 673, 648-659.	2.6	26
5	Hot deformation characteristics of CaO-added AZ31 based on kinetic models and processing maps. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 695, 379-385.	2.6	18
6	Hot deformation behavior of AA6005 modified with CaO-added Mg at high strains. <i>Journal of Alloys and Compounds</i> , 2019, 774, 1081-1091.	2.8	12
7	Evaluation of dynamic recrystallization behaviors in hot-extruded AA5083 through hot torsion tests. <i>Metals and Materials International</i> , 2017, 23, 68-75.	1.8	10
8	Microstructure and Density of Sintered ZnO Ceramics Prepared by Magnetic Pulsed Compaction. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-7.	1.0	6
9	Fabrication of Porous Titanium with Directional Pores for Biomedical Applications. <i>Materials Transactions</i> , 2013, 54, 137-142.	0.4	5
10	Evaluation of Hot Deformation and Dynamic Recrystallization Behaviors of Advanced Reduced-Activated Alloy (ARAA). <i>Metals and Materials International</i> , 2019, 25, 888-899.	1.8	5
11	Hot Deformation Behavior of Hot-Extruded AA7175 Through Hot Torsion Tests. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 2144-2147.	0.9	4
12	Mechanical Properties of a Tetrahedrally Cored Titanium Lattice Structure Fabricated by Pressure-Assisted Investment Casting. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 11214-11218.	0.9	2
13	Effect of Zn on Pore Characteristics in Lotus-Type Porous Cu. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 2227-2230.	0.9	1
14	Pore Characteristics of Lotus-Type Porous Cu-Fe and Cu-Cr Alloys Fabricated by Unidirectional Solidification. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 2262-2265.	0.9	1
15	High Temperature Deformation Characteristics of Al-Zn-Mg Alloy Modified with CaO-Added Mg. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 1724-1728.	0.9	1
16	Improved Corrosion Resistance and Thinner Alpha-Case Layer on Titanium Casting Using Al ₂ O ₃ and 5Ti as Investment Material. <i>Materials Transactions</i> , 2013, 54, 1308-1312.	0.4	0
17	Effect of Iridium and Rhodium on High-Temperature Volatilization Behavior of Platinum Alloys. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 7756-7759.	0.9	0
18	Evaluation of the Hot Workability of Commercially Pure Ti Using Hot Torsion Tests. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 1772-1776.	0.9	0