Ji-Woon Lee

List of Publications by Year
in descending order

18 papers	216 citations	1306789 7 h-index	1058022 14 g-index
18 all docs	18 docs citations	18 times ranked	175 citing authors

#	Article	IF	Citations
1	Mechanism of grain boundary serration during hot deformation of AZ31 alloy: Role of grain boundary dislocations and grain boundary sliding. International Journal of Plasticity, 2020, 125, 118-132.	4.1	43
2	Effects of high Mg content and processing parameters on Portevin-Le Chatelier and negative strain rate sensitivity effects in Alâ€“Mg alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 779, 139151.	2.6	38
3	Evaluation of Hot Deformation and Dynamic Recrystallization Behaviors of Advanced Reduced-Activated Alloy (ARAA). Metals and Materials International, 2019, 25, 888-899.	1.8	5
4	Evaluation of the Hot Workability of Commercially Pure Ti Using Hot Torsion Tests. Journal of Nanoscience and Nanotechnology, 2019, 19, 1772-1776.	0.9	0
5	High Temperature Deformation Characteristics of Alâ€“Znâ€“Mg Alloy Modified with CaO-Added Mg. Journal of Nanoscience and Nanotechnology, 2019, 19, 1724-1728.	0.9	1
6	Hot deformation behavior of AA6005 modified with CaO-added Mg at high strains. Journal of Alloys and Compounds, 2019, 774, 1081-1091.	2.8	12
7	Evaluation of hot deformation characteristics in modified AA5052 using processing map and activation energy map under deformation heating. Journal of Alloys and Compounds, 2018, 740, 96-108.	2.8	44
8	Microstructure and Density of Sintered ZnO Ceramics Prepared by Magnetic Pulsed Compaction. Advances in Materials Science and Engineering, 2018, 2018, 1-7.	1.0	6
9	Effect of Zn on Pore Characteristics in Lotus-Type Porous Cu. Journal of Nanoscience and Nanotechnology, 2018, 18, 2227-2230.	0.9	1
10	Pore Characteristics of Lotus-Type Porous Cuâ€“Fe and Cuâ€“Cr Alloys Fabricated by Unidirectional Solidification. Journal of Nanoscience and Nanotechnology, 2018, 18, 2262-2265.	0.9	1
11	Hot Deformation Behavior of Hot-Extruded AA7175 Through Hot Torsion Tests. Journal of Nanoscience and Nanotechnology, 2018, 18, 2144-2147.	0.9	4
12	Evaluation of dynamic recrystallization behaviors in hot-extruded AA5083 through hot torsion tests. Metals and Materials International, 2017, 23, 68-75.	1.8	10
13	Hot deformation characteristics of CaO-added AZ31 based on kinetic models and processing maps. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 695, 379-385.	2.6	18
14	Effect of Iridium and Rhodium on High-Temperature Volatilization Behavior of Platinum Alloys. Journal of Nanoscience and Nanotechnology, 2017, 17, 7756-7759.	0.9	0
15	Continuous dynamic recrystallization behavior and kinetics of Alâ€“Mgâ€“Si alloy modified with CaO-added Mg. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 673, 648-659.	2.6	26
16	Mechanical Properties of a Tetrahedrally Cored Titanium Lattice Structure Fabricated by Pressure-Assisted Investment Casting. Journal of Nanoscience and Nanotechnology, 2016, 16, 11214-11218.	0.9	2
17	Fabrication of Porous Titanium with Directional Pores for Biomedical Applications. Materials Transactions, 2013, 54, 137-142.	0.4	5
18	Improved Corrosion Resistance and Thinner Alpha-Case Layer on Titanium Casting Using Al₂O₃–5Ti as Investment Material. Materials Transactions, 2013, 54, 1308-1312.	0.4	0