

Soong-Keun Hyun

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	NO ₂ sensing properties of WO ₃ -decorated In ₂ O ₃ nanorods and In ₂ O ₃ -decorated WO ₃ nanorods. Nano Convergence, 2019, 6, 40.	6.3	26
2	Synthesis of NiCo ₂ O ₄ Nanostructures and Their Electrochemical Properties for Glucose Detection. Nanomaterials, 2021, 11, 55.	1.9	17
3	Microstructure and Charpy Impact Properties of FCAW and SAW Heat Affected Zones of 100Åmm Thick Steel Plate for Offshore Platforms. Metals and Materials International, 2020, 26, 867-881.	1.8	16
4	CO Sensing Properties of Chemiresistive In ₂ O ₃ /SnO ₂ Composite Nanoparticle Sensors. Journal of Nanoscience and Nanotechnology, 2020, 20, 4344-4348.	0.9	13
5	Evaluation of dynamic recrystallization behaviors in hot-extruded AA5083 through hot torsion tests. Metals and Materials International, 2017, 23, 68-75.	1.8	10
6	ENHANCED ETHANOL SENSING PERFORMANCES OF MULTIPLE NETWORKED Nb ₂ O ₅ NANOROD SENSORS FUNCTIONALIZED WITH Pd AND Au NANOPARTICLES. Nano, 2014, 09, 1450098.	0.5	7
7	Thermal Properties of Plasma-Sprayed Multilayer Al ₂ O ₃ /Yttria-Stabilized Zirconia Coating. Journal of Nanoscience and Nanotechnology, 2020, 20, 524-529.	0.9	7
8	Fabrication and compressive properties of porous TiAl-Mn intermetallics by powder metallurgical route. Metals and Materials International, 2013, 19, 159-162.	1.8	6
9	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
10	Strain Distributions of Plane-Strained and Simple-Sheared Al-Mg Alloy. Metals and Materials International, 2021, 27, 4894-4899.	1.8	6
11	Fabrication of Porous Titanium with Directional Pores for Biomedical Applications. Materials Transactions, 2013, 54, 137-142.	0.4	5
12	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
13	Effect of Interface Microstructure on Joint Strength of Zirconia/Titanium Alloy Brazed with Amorphous Zr-Ti-Ni-Cu Active Filler Metal. Metals, 2020, 10, 718.	1.0	5
14	Hot Deformation Behavior of Hot-Extruded AA7175 Through Hot Torsion Tests. Journal of Nanoscience and Nanotechnology, 2018, 18, 2144-2147.	0.9	4
15	Room Temperature Bonding on Interface Between Metal and Ceramic. Journal of Electronic Materials, 2019, 48, 72-78.	1.0	4
16	Effect of Various Refinement Methods on the Morphologies of Primary Si in a Hypereutectic Al-18Si Alloy. Materials Transactions, 2015, 56, 1269-1277.	0.4	3
17	Performance of Alkali-Resistant Glass Fibers Modified with Refused Coal Ore. Materials Transactions, 2017, 58, 705-710.	0.4	3
18	Hot Compression Behavior of New Al-6Mg and Al-8Mg Alloy with Improved Hot Workability Fabricated by Direct Chill Casting Method. Metals, 2021, 11, 288.	1.0	3

#	ARTICLE	IF	CITATIONS
19	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
20	Comparison of structural and optical properties of TeO ₂ nanostructures synthesized using various substrate conditions. <i>Metals and Materials International</i> , 2017, 23, 1133-1138.	1.8	2
21	Influence of the Sintering Temperature of Al-Doped Higher Manganese Silicide for Improved Thermoelectric Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 1699-1703.	0.9	2
22	Pore characteristics of Lotus-Type Porous Copper Fabricated by Centrifugal Casting. <i>Metals and Materials International</i> , 2020, 26, 660-667.	1.8	2
23	Effects of calcination temperature on the UV light emission of CaO-decorated ZnO nanorods. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	1
24	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
25	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
26	Heat Treatment Map of Al ₂ Ca-added AlSi ₁₁ MnMg Pressure-Cast Alloy Plotted by Full Factorial Design of Experiment and Analysis of Variance. <i>Metal Science and Heat Treatment</i> , 2019, 61, 511-516.	0.2	1
27	Intermetallic Growth Mechanism and Mechanical Properties of Post-Annealed SAC305 Solder Joints on Cu-Based Electrode Interfaces. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 1645-1648.	0.9	1
28	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
29	Characterization of palladium electrodeposition in ammonia-free electrolyte with additives. <i>Surface and Interface Analysis</i> , 2021, 53, 1035.	0.8	1
30	Dislocation Structure in Hot Deformed Al-Zn-Mg Alloy by X-ray Line Profile Analysis. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 177-182.	0.9	1
31	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
32	Interfacial properties between a filling material and various wetting layers in TSV. , 2016, , .		0
33	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
34	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
35	Effect of a High Mg Solute Content on the Hot Workability of Al-Mg Alloys. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 1990-1995.	0.9	0
36	Microstructure and Mechanical Properties of Commercially Pure Ti/Steel Joint Brazed by Zr-Ti-Ni Amorphous Filler Metal. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 2051-2054.	0.9	0