

Sung-Tag Oh

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Hydrogen-reduction behavior and microstructural characteristics of WO ₃ -CuO powder mixtures with various milling time. Journal of Alloys and Compounds, 2003, 354, 239-242.	5.5	58
2	Effect of pre-reduced Cu particles on hydrogen-reduction of W-oxide in WO ₃ -CuO powder mixtures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 399, 326-331.	5.6	42
3	Broadband RF Noise Suppression by Magnetic Nanowire-Filled Composite Films. IEEE Transactions on Magnetics, 2009, 45, 2777-2780.	2.1	28
4	Microstructure of porous Cu fabricated by freeze-drying process of CuO/camphene slurry. Transactions of Nonferrous Metals Society of China, 2012, 22, s688-s691.	4.2	28
5	Low-temperature chemical vapour curing using iodine for fabrication of continuous silicon carbide fibres from low-molecular-weight polycarbosilane. Journal of Materials Chemistry A, 2014, 2, 2781.	10.3	27
6	Microstructure control of Mo-Si-B alloy for formation of continuous λ -Mo phase. International Journal of Refractory Metals and Hard Materials, 2015, 53, 61-65.	3.8	21
7	Consolidation and properties of tungsten by spark plasma sintering and hot isostatic pressing. International Journal of Refractory Metals and Hard Materials, 2021, 99, 105602.	3.8	15
8	RF Conduction In-Line Noise Suppression Effects for Fe and NiFe Magnetic Nanocomposite. IEEE Transactions on Magnetics, 2008, 44, 3805-3808.	2.1	14
9	Microstructural, wetting, and mechanical characteristics of Sn-57.6Bi-0.4Ag alloys doped with metal-organic compounds. Electronic Materials Letters, 2014, 10, 473-478.	2.2	14
10	Fabrication of Mo-Si-B intermetallic powder by mechano-chemical process. Journal of Alloys and Compounds, 2014, 585, 418-422.	5.5	14
11	Experimental Measurement of Coefficient of Thermal Expansion for Graded Layers in Ni-Al ₂ O ₃ ; FGM Joints for Accurate Residual Stress Analysis. Materials Transactions, 2009, 50, 1553-1557.	1.2	11
12	Porous Mo-30wt.% W alloys synthesized from camphene/MoO ₃ -WO ₃ slurry by freeze drying and sintering process. International Journal of Refractory Metals and Hard Materials, 2015, 53, 32-35.	3.8	11
13	Hydrogen reduction behavior and microstructural characteristics of WO ₃ and WO ₃ -NiO powders. International Journal of Refractory Metals and Hard Materials, 2019, 80, 69-72.	3.8	10
14	Synthesis of porous Cu-Sn using freeze-drying process of CuO-SnO ₂ /camphene slurries. Research on Chemical Intermediates, 2014, 40, 2495-2500.	2.7	8
15	Fabrication of W ₂ O ₃ -La ₂ O ₃ composite by chemical process and spark plasma sintering. Powder Metallurgy, 2021, 64, 108-114.	1.7	7
16	Fabrication of W-Y ₂ O ₃ composites by ultrasonic spray pyrolysis and spark plasma sintering. International Journal of Refractory Metals and Hard Materials, 2021, 99, 105606.	3.8	7
17	Fabrication of Alumina-Based Metal Nanocomposites by Pressureless Sintering and Their Mechanical Properties. Journal of Nanoscience and Nanotechnology, 2010, 10, 366-369.	0.9	5
18	Fabrication of Tungsten Powder Mixtures with Nano and Micro Size by Reduction of Tungsten Oxides. Korean Journal of Materials Research, 2017, 27, 513-517.	0.2	5

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19	Simultaneous synthesis and consolidation of nanostructured 1.5Ti-Al ₂ O ₃ from mechanically activated powders by high-frequency induction heating. <i>Metals and Materials International</i> , 2009, 15, 931-936.	3.4	4
20	Effect of hydrogen reduction temperature on the microstructure and magnetic properties of Fe-Ni powders. <i>Research on Chemical Intermediates</i> , 2010, 36, 851-857.	2.7	4
21	Fabrication of Fe-base superalloy powders with yttrium oxide dispersion by mechanical alloying and chemical route. <i>Materials Letters</i> , 2017, 197, 135-138.	2.6	4
22	Effect of Powder Mixing Process on the Characteristics of Hybrid Structure Tungsten Powders with Nano-Micro Size. <i>Journal of Korean Powder Metallurgy Institute</i> , 2017, 24, 384-388.	0.3	4
23	Fabrication of Porous Cu by Freeze-drying Process of Camphene Slurry with CuO-coated Cu Powders. <i>Journal of Korean Powder Metallurgy Institute</i> , 2014, 21, 191-195.	0.3	3
24	Evaluation of tailored magnetic composite films for near-field electromagnetic noise suppression. <i>Research on Chemical Intermediates</i> , 2010, 36, 827-834.	2.7	2
25	Synthesis of Mo-Si-B intermetallic compounds with continuous γ -Mo matrix by pulverization of ingot and hydrogen reduction of MoO ₃ powders. <i>International Journal of Refractory Metals and Hard Materials</i> , 2017, 65, 25-28.	3.8	2
26	Effect of Y ₂ O ₃ Dispersion Method on the Microstructure Characteristic of Ni-Base Superalloy. <i>Journal of Nanoscience and Nanotechnology</i> , 2021, 21, 4955-4958.	0.9	2
27	Fabrication of Porous Mo-Cu by Freeze Drying and Hydrogen Reduction of Metal Oxide Powders. <i>Journal of Korean Powder Metallurgy Institute</i> , 2019, 26, 1-5.	0.3	2
28	Effect of Solidification Condition of Sublimable Vehicles on the Pore Characteristics in Freeze Drying Process. <i>Journal of Korean Powder Metallurgy Institute</i> , 2014, 21, 366-370.	0.3	2
29	Fabrication of Porous Ni by Freeze Drying and Hydrogen Reduction of NiO/Camphene Slurry. <i>Journal of Korean Powder Metallurgy Institute</i> , 2019, 26, 6-10.	0.3	2
30	Synthesis and Microstructure of Fe-Base Superalloy Powders with Y-Oxide Dispersion by High Energy Ball Milling. <i>Korean Journal of Materials Research</i> , 2015, 25, 386-390.	0.2	1
31	Synthesis of Porous Cu-Sn by Freeze Drying and Hydrogen Reduction Treatment of Metal Oxide Composite Powders. <i>Korean Journal of Materials Research</i> , 2013, 23, 722-726.	0.2	1
32	Interaction of Solid Particles with the Solidifying Front in the Liquid-Particle Mixture. <i>Journal of Korean Powder Metallurgy Institute</i> , 2018, 25, 336-339.	0.3	1
33	Synthesis and Densification of Nano-Sized W Powders Prepared by Hydrogen Reduction of Ball-Milled WO ₃ Powders. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 4521-4524.	0.9	0