Kyoung-Seok Moon

List of Publications by Year
in descending order

51 papers	1,210 citations	430874 18 h-index	377865 34 g-index
51 all docs	51 docs citations	51 times ranked	1670 citing authors

#	Article	IF	Citations
1	Interface structure dependent step free energy and grain growth behavior of core/shell grains in (Y,) Tj ETQq1 1 0.784314 rgBT /Overlo 2804-2812.	5.7	3
2	Amino acid-mediated negatively charged surface improve antifouling and tribological characteristics for medical applications. Colloids and Surfaces B: Biointerfaces, 2022, 211, 112314.	5.0	6
3	Effect of the Zirconia Particle Size on the Compressive Strength of Reticulated Porous Zirconia-Toughened Alumina. Applied Sciences (Switzerland), 2022, 12, 2316.	2.5	2
4	Thermoelectric Properties of Cu2Te Nanoparticle Incorporated N-Type Bi2Te2.7Se0.3. Materials, 2022, 15, 2284.	2.9	7
5	Densification behavior of freeze-casted alumina with grain boundary segregation of impurities. Applied Surface Science, 2022, 593, 153437.	6.1	3
6	Effect of Charge Compensation Change on the Crystal Structure, Grain Growth Behavior, and Dielectric Properties in the La2O3-doped BaTiO3 System with MnCO3 Addition. Journal of Alloys and Compounds, 2022, , 165388.	5.5	3
7	Compositional design of an amphoteric chemical trap for the capturing of gaseous cesium and iodine in UO2 nuclear fuel. Journal of the European Ceramic Society, 2021, 41, 2892-2897.	5.7	2
8	Effect of the processing conditions of reticulated porous alumina on the compressive strength. Journal of the Korean Ceramic Society, 2021, 58, 495-506.	2.3	7
9	Effect of the Sintering Temperature on the Compressive Strengths of Reticulated Porous Zirconia. Applied Sciences (Switzerland), 2021, 11, 5672.	2.5	4
10	Enhancement of Dielectric Properties via Crystal Structure and Microstructure Control in the (K0.5Na0.5)NbO3-SrTiO3 System. Journal of Korean Institute of Metals and Materials, 2021, 59, 499-504.	1.0	1
11	Thermal diffusion kinetics of cesium in ceramic microcell UO2 fuels for accident-tolerant fuel. Journal of the European Ceramic Society, 2021, 41, 6784-6788.	5.7	0
12	The Effects of a Zirconia Addition on the Compressive Strength of Reticulated Porous Zirconia-Toughened Alumina. Applied Sciences (Switzerland), 2021, 11, 9326.	2.5	3
13	Grain Growth Control of Dielectric and Magnetic Ceramics. Ceramist, 2021, 24, 260-272.	0.1	0
14	Nanosheet coated dual-shell TiO2 sphere with high solar reflectance for thermal-shield materials. Composites Communications, 2020, 22, 100432.	6.3	13
15	Microstructure and Magnetic Properties of La-Ca-Co Substituted M-Type Sr-Hexaferrites with Controlled Si Diffusion. Applied Sciences (Switzerland), 2020, 10, 7570.	2.5	10
16	Grain Growth Behavior of 0.95(Na0.5Bi0.5)TiO3â€“0.05BaTiO3 Controlled by Grain Shape and Second Phase. Materials, 2020, 13, 1344.	2.9	3
17	Effect of Flash Light Sintering on Silver Nanowire Electrode Networks. Materials, 2020, 13, 404.	2.9	6
18	Sintering Behavior of M-type Sr-Hexaferrite by MnCO₃ Addition. Journal of Korean Powder Metallurgy Institute, 2020, 27, 126-131.	0.3	0

#	Article	IF	Citations
19	The Effects of Kaolin Addition on the Properties of Reticulated Porous Diatomite-kaolin Composites. Journal of Korean Powder Metallurgy Institute, 2020, 27, 325-332.	0.3	0
20	Effect of Ca and La substitution on the structure and magnetic properties of M-type Sr-hexaferrites. Journal of Alloys and Compounds, 2019, 771, 350-355.	5.5	28
21	Synthesis of the Multifunctional Core/Intermediate/Shell Nanoparticles: Tunable Magnetic and Photoluminescence Properties. Journal of Korean Powder Metallurgy Institute, 2019, 26, 463-470.	0.3	0
22	Novel Flexible Transparent Conductive Films with Enhanced Chemical and Electromechanical Sustainability: TiO₂ Nanosheetâ€“Ag Nanowire Hybrid. ACS Applied Materials & Interfaces, 2018, 10, 2688-2700.	8.0	44
23	Effect of Na₂CO₃ Addition on Grain Growth Behavior and Solid-state Single Crystal Growth in the Na_{0.5}Bi_{0.5}TiO₃-BaTiO₃ System. Journal of Korean Powder Metallurgy Institute, 2018, 25, 104-108.	0.3	2
24	Effect of annealing in reduced oxygen pressure on the structure and magnetic properties of M-type hexaferrite bulk and film. Journal of Magnetism and Magnetic Materials, 2017, 432, 37-41.	2.3	3
25	Mechanically Robust Magnetic Carbon Nanotube Papers Prepared with CoFe₂O₄ Nanoparticles for Electromagnetic Interference Shielding and Magnetomechanical Actuation. ACS Applied Materials & Interfaces, 2017, 9, 40628-40637.	8.0	41
26	Synthesis, structure, and magnetic properties of M-W hexaferrite composites. Ceramics International, 2017, 43, 14309-14313.	4.8	12
27	Role of the gadolinia-doped ceria interlayer in high-performance intermediate-temperature solid oxide fuel cells. Journal of Power Sources, 2017, 361, 153-159.	7.8	8
28	Metallic conduction induced by direct anion site doping in layered SnSe2. Scientific Reports, 2016, 6, 19733.	3.3	45
29	Grain growth behavior of Ba1.5Sr1.5Co2Fe24O41 flakes in molten salt synthesis and the magnetic properties of flake/polymer composites. Journal of Applied Physics, 2016, 120, .	2.5	10
30	Temperature dependence of contact resistance at metal/MWNT interface. Applied Physics Letters, 2016, 109, 021605.	3.3	5
31	Effect of microstructure on the electrochemical performance of Ni-ScSZ anodes. Ceramics International, 2016, 42, 11757-11765.	4.8	7
32	Fabrication of flexible magnetic papers based on bacterial cellulose and barium hexaferrite with improved mechanical properties. Electronic Materials Letters, 2016, 12, 574-579.	2.2	19
33	Structural and magnetic properties of Ca-Mn-Zn-substituted M-type Sr-hexaferrites. Journal of the European Ceramic Society, 2016, 36, 3383-3389.	5.7	26
34	Magnetic properties of Ceâ€“Mn substituted M-type Sr-hexaferrites. Ceramics International, 2015, 41, 12828-12834.	4.8	43
35	High-temperature X-ray diffraction and Raman scattering studies ofÂBa-doped (Na0.5Bi0.5)TiO3 Pb-free piezoceramics. Current Applied Physics, 2013, 13, 1988-1994.	2.4	23
36	The influence of CNTs on the thermoelectric properties of a CNT/Bi2Te3 composite. Carbon, 2013, 52, 541-549.	10.3	156

#	Article	IF	Citations
37	A new way to increase performance of oxide electrode for oxygen reduction using grain growth inhibitor. Electrochemistry Communications, 2012, 14, 36-38.	4.7	14
38	Enhanced Sintering Behavior and Electrical Properties of Single Phase BiFeO3Prepared by Attrition Milling and Conventional Sintering. Journal of the Korean Ceramic Society, 2012, 49, 485-492.	2.3	1
39	Solid state growth of Na1/2Bi1/2TiO3â€“BaTiO3 single crystals and their enhanced piezoelectric properties. Journal of Crystal Growth, 2011, 317, 28-31.	1.5	52
40	Electrochemical Performance of a Ni and YSZ Composite Synthesised by Ultrasonic Spray Pyrolysis as an Anode for SOFCs. Fuel Cells, 2011, 11, 654-660.	2.4	4
41	Effect of TiO2 addition on grain shape and grain coarsening behavior in 95Na1/2Bi1/2TiO3â€“5BaTiO3. Journal of the European Ceramic Society, 2011, 31, 1915-1920.	5.7	30
42	High-temperature X-ray diffraction and Raman spectroscopy study of (K0.5Na0.5)NbO3 ceramics sintered in oxidizing and reducing atmospheres. Materials Chemistry and Physics, 2010, 120, 263-271.	4.0	38
43	Dielectric and Raman scattering studies of phase transitions in the (100â^'x)Na0.5Bi0.5TiO3â€“xSrTiO3 system. Journal of Applied Physics, 2010, 108, .	2.5	184
44	Temperatureâ€dependent Raman scattering studies of polycrystalline BiFeO₃ bulk ceramics. Journal of Raman Spectroscopy, 2009, 40, 618-626.	2.5	103
45	Effect of ion-beam assisted deposition on resistivity and crystallographic structure of Cr/Cu. Electronic Materials Letters, 2009, 5, 105-107.	2.2	4
46	Structural changes in potassium sodium niobate ceramics sintered in different atmospheres. Journal of Alloys and Compounds, 2009, 479, 467-472.	5.5	47
47	Low temperature hydrothermal epitaxy and Raman study of heteroepitaxial BiFeO3 film. Applied Physics Letters, 2009, 95, .	3.3	22
48	Study of the morphotropic phase boundary in the lead-free Na_{1/2}Bi_{1/2}TiO₃-BaTiO₃ system by Raman spectroscopy. Journal of the Ceramic Society of Japan, 2009, 117, 797-800.	1	98
49	Coarsening Behavior of Roundâ€Edged Cubic Grains in the Na_{1/2}Bi_{1/2}TiO₃â€“BaTiO₃ System. Journal of the American Ceramic Society, 2008, 91, 3191-3196.	3.8	54
50	Principles of Microstructural Design in Two-Phase Systems. Materials Science Forum, 2007, 558-559, 827-834.	0.3	13
51	Grain Shape and Grain Growth Behavior in the Na1/2Bi1/2TiO3-BaTiO3System. Journal of Korean Powder Metallurgy Institute, 2006, 13, 119-123.	0.3	1