

Kyoung-Seok Moon

List of Publications by Year in descending order

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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	Dielectric and Raman scattering studies of phase transitions in the $(100-x)\text{Na}_0.5\text{Bi}_0.5\text{TiO}_3-x\text{SrTiO}_3$ system. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	184
2	The influence of CNTs on the thermoelectric properties of a CNT/Bi ₂ Te ₃ composite. <i>Carbon</i> , 2013, 52, 541-549.	10.3	156
3	Temperature-dependent Raman scattering studies of polycrystalline BiFeO ₃ bulk ceramics. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 618-626.	2.5	103
4	Study of the morphotropic phase boundary in the lead-free $\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3$ - BaTiO_3 system by Raman spectroscopy. <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 797-800.		98
5	Coarsening Behavior of Round-Edged Cubic Grains in the $\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3$ - BaTiO_3 System. <i>Journal of the American Ceramic Society</i> , 2008, 91, 3191-3196.	3.8	54
6	Solid state growth of $\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3$ - BaTiO_3 single crystals and their enhanced piezoelectric properties. <i>Journal of Crystal Growth</i> , 2011, 317, 28-31.	1.5	52
7	Structural changes in potassium sodium niobate ceramics sintered in different atmospheres. <i>Journal of Alloys and Compounds</i> , 2009, 479, 467-472.	5.5	47
8	Metallic conduction induced by direct anion site doping in layered SnSe ₂ . <i>Scientific Reports</i> , 2016, 6, 19733.	3.3	45
9	Novel Flexible Transparent Conductive Films with Enhanced Chemical and Electromechanical Sustainability: TiO_2 Nanosheet-Ag Nanowire Hybrid. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2688-2700.	8.0	44
10	Magnetic properties of Ce-Mn substituted M-type Sr-hexaferrites. <i>Ceramics International</i> , 2015, 41, 12828-12834.	4.8	43
11	Mechanically Robust Magnetic Carbon Nanotube Papers Prepared with CoFe_2O_4 Nanoparticles for Electromagnetic Interference Shielding and Magnetomechanical Actuation. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40628-40637.	8.0	41
12	High-temperature X-ray diffraction and Raman spectroscopy study of $(\text{K}_{0.5}\text{Na}_{0.5})\text{NbO}_3$ ceramics sintered in oxidizing and reducing atmospheres. <i>Materials Chemistry and Physics</i> , 2010, 120, 263-271.	4.0	38
13	Effect of TiO_2 addition on grain shape and grain coarsening behavior in $0.95\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3-0.05\text{BaTiO}_3$. <i>Journal of the European Ceramic Society</i> , 2011, 31, 1915-1920.	5.7	30
14	Effect of Ca and La substitution on the structure and magnetic properties of M-type Sr-hexaferrites. <i>Journal of Alloys and Compounds</i> , 2019, 771, 350-355.	5.5	28
15	Structural and magnetic properties of Ca-Mn-Zn-substituted M-type Sr-hexaferrites. <i>Journal of the European Ceramic Society</i> , 2016, 36, 3383-3389.	5.7	26
16	High-temperature X-ray diffraction and Raman scattering studies of Ba-doped $(\text{Na}_{0.5}\text{Bi}_{0.5})\text{TiO}_3$ Pb-free piezoceramics. <i>Current Applied Physics</i> , 2013, 13, 1988-1994.	2.4	23
17	Low temperature hydrothermal epitaxy and Raman study of heteroepitaxial BiFeO ₃ film. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	22
18	Fabrication of flexible magnetic papers based on bacterial cellulose and barium hexaferrite with improved mechanical properties. <i>Electronic Materials Letters</i> , 2016, 12, 574-579.	2.2	19

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19	A new way to increase performance of oxide electrode for oxygen reduction using grain growth inhibitor. <i>Electrochemistry Communications</i> , 2012, 14, 36-38.	4.7	14
20	Principles of Microstructural Design in Two-Phase Systems. <i>Materials Science Forum</i> , 2007, 558-559, 827-834.	0.3	13
21	Nanosheet coated dual-shell TiO ₂ sphere with high solar reflectance for thermal-shield materials. <i>Composites Communications</i> , 2020, 22, 100432.	6.3	13
22	Synthesis, structure, and magnetic properties of M-W hexaferrite composites. <i>Ceramics International</i> , 2017, 43, 14309-14313.	4.8	12
23	Grain growth behavior of Ba _{1.5} Sr _{1.5} Co ₂ Fe ₂₄ O ₄₁ flakes in molten salt synthesis and the magnetic properties of flake/polymer composites. <i>Journal of Applied Physics</i> , 2016, 120, .	2.5	10
24	Microstructure and Magnetic Properties of La-Ca-Co Substituted M-Type Sr-Hexaferrites with Controlled Si Diffusion. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7570.	2.5	10
25	Role of the gadolinia-doped ceria interlayer in high-performance intermediate-temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2017, 361, 153-159.	7.8	8
26	Effect of microstructure on the electrochemical performance of Ni-ScSZ anodes. <i>Ceramics International</i> , 2016, 42, 11757-11765.	4.8	7
27	Effect of the processing conditions of reticulated porous alumina on the compressive strength. <i>Journal of the Korean Ceramic Society</i> , 2021, 58, 495-506.	2.3	7
28	Thermoelectric Properties of Cu ₂ Te Nanoparticle Incorporated N-Type Bi ₂ Te _{2.7} Se _{0.3} . <i>Materials</i> , 2022, 15, 2284.	2.9	7
29	Effect of Flash Light Sintering on Silver Nanowire Electrode Networks. <i>Materials</i> , 2020, 13, 404.	2.9	6
30	Amino acid-mediated negatively charged surface improve antifouling and tribological characteristics for medical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 211, 112314.	5.0	6
31	Temperature dependence of contact resistance at metal/MWNT interface. <i>Applied Physics Letters</i> , 2016, 109, 021605.	3.3	5
32	Effect of ion-beam assisted deposition on resistivity and crystallographic structure of Cr/Cu. <i>Electronic Materials Letters</i> , 2009, 5, 105-107.	2.2	4
33	Electrochemical Performance of a Ni and YSZ Composite Synthesised by Ultrasonic Spray Pyrolysis as an Anode for SOFCs. <i>Fuel Cells</i> , 2011, 11, 654-660.	2.4	4
34	Effect of the Sintering Temperature on the Compressive Strengths of Reticulated Porous Zirconia. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5672.	2.5	4
35	Effect of annealing in reduced oxygen pressure on the structure and magnetic properties of M-type hexaferrite bulk and film. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 432, 37-41.	2.3	3
36	Grain Growth Behavior of 0.95(Na _{0.5} Bi _{0.5})TiO ₃ â€“0.05BaTiO ₃ Controlled by Grain Shape and Second Phase. <i>Materials</i> , 2020, 13, 1344.	2.9	3

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37	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
38	Interface structure dependent step free energy and grain growth behavior of core/shell grains in (Y,Tm)TiO ₃ . Journal of Applied Surface Science, 2021, 504, 2804-2812.	5.7	3
39	Densification behavior of freeze-casted alumina with grain boundary segregation of impurities. Applied Surface Science, 2022, 593, 153437.	6.1	3
40	Effect of Charge Compensation Change on the Crystal Structure, Grain Growth Behavior, and Dielectric Properties in the La ₂ O ₃ -doped BaTiO ₃ System with MnCO ₃ Addition. Journal of Alloys and Compounds, 2022, , 165388.	5.5	3
41	Compositional design of an amphoteric chemical trap for the capturing of gaseous cesium and iodine in UO ₂ nuclear fuel. Journal of the European Ceramic Society, 2021, 41, 2892-2897.	5.7	2
42	Effect of Na ₂ CO ₃ Addition on Grain Growth Behavior and Solid-state Single Crystal Growth in the Na _{0.5} Bi _{0.5} Ti ₃ -BaTiO ₃ System. Journal of Korean Powder Metallurgy Institute, 2018, 25, 104-108.	0.3	2
43	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
44	Enhancement of Dielectric Properties via Crystal Structure and Microstructure Control in the (K _{0.5} Na _{0.5})NbO ₃ -SrTiO ₃ System. Journal of Korean Institute of Metals and Materials, 2021, 59, 499-504.	1.0	1
45	Grain Shape and Grain Growth Behavior in the Na _{1/2} Bi _{1/2} TiO ₃ -BaTiO ₃ System. Journal of Korean Powder Metallurgy Institute, 2006, 13, 119-123.	0.3	1
46	Enhanced Sintering Behavior and Electrical Properties of Single Phase BiFeO ₃ Prepared by Attrition Milling and Conventional Sintering. Journal of the Korean Ceramic Society, 2012, 49, 485-492.	2.3	1
47	Thermal diffusion kinetics of cesium in ceramic microcell UO ₂ fuels for accident-tolerant fuel. Journal of the European Ceramic Society, 2021, 41, 6784-6788.	5.7	0
48	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
49	Sintering Behavior of M-type Sr-Hexaferrite by MnCO ₃ Addition. Journal of Korean Powder Metallurgy Institute, 2020, 27, 126-131.	0.3	0
50	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
51	Grain Growth Control of Dielectric and Magnetic Ceramics. Ceramist, 2021, 24, 260-272.	0.1	0