

Byung Cheol Sin

List of Publications by Year in descending order

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16
papers

394
citations

933447

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996975

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17
docs citations

17
times ranked

409
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase transition-induced improvement in the capacity of fluorine-substituted LiFeBO ₃ as a cathode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2021, 367, 137364.	5.2	8
2	Electrochemical performance of hybrid-structured LiFe(PO ₄) _{0.5} (BO ₃) _{0.5} cathode material for Li-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2018, 823, 155-160.	3.8	9
3	Enhanced electrochemical performance and manganese redox activity of LiFe _{0.4} Mn _{0.6} PO ₄ by iodine anion substitution as cathode material for Li-ion battery. <i>Journal of Power Sources</i> , 2016, 313, 112-119.	7.8	19
4	A Novel One-Step Flame Synthesis Method for Tungsten-Doped CCTO. <i>Journal of the American Ceramic Society</i> , 2016, 99, 27-34.	3.8	57
5	Structural, impedance, and modulus spectroscopic studies on Y _{2/3} Cu ₃ Ti _{3.95} In _{0.05} O ₁₂ polycrystalline material prepared by flame synthesis method. <i>Applied Spectroscopy Reviews</i> , 2016, 51, 735-752.	6.7	5
6	Comparative Dielectric and Ferroelectric Characteristics of Bi _{0.5} Na _{0.5} TiO ₃ , CaCu ₃ Ti ₄ O ₁₂ , and 0.5Bi _{0.5} Na _{0.5} TiO ₃ -0.5CaCu ₃ Ti ₄ O ₁₂ Electroceramics. <i>Journal of Electronic Materials</i> , 2016, 45, 2662-2672.	2.2	10
7	Study of dielectric, AC-impedance, modulus properties of 0.5Bi _{0.5} Na _{0.5} TiO ₃ -0.5CaCu ₃ Ti ₄ O ₁₂ nano-composite synthesized by a modified solid state method. <i>Materials Science in Semiconductor Processing</i> , 2015, 31, 386-396.	4.0	58
8	Combustion synthesis of nano-crystalline Bi _{2/3} Cu ₃ Ti _{2.90} Fe _{0.10} O ₁₂ using inexpensive TiO ₂ raw material and its dielectric characterization. <i>Powder Technology</i> , 2015, 280, 256-265.	4.2	18
9	Dielectric, ac-impedance and modulus spectroscopic studies of nano-crystalline Bi _{0.5} Na _{0.5} TiO ₃ synthesized by using one pot glycine assisted solution combustion from inexpensive TiO ₂ . <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 867-883.	2.2	10
10	A novel low cost non-aqueous chemical route for giant dielectric constant CaCu ₃ Ti ₄ O ₁₂ ceramic. <i>Solid State Sciences</i> , 2015, 43, 35-45.	3.2	28
11	Enhanced electrochemical performance of LiFe _{0.4} Mn _{0.6} (PO ₄) _{1-x} (BO ₃) _x as cathode material for lithium ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2015, 756, 56-60.	3.8	9
12	Dielectric, AC-impedance, modulus studies on 0.5BaTiO ₃ -0.5CaCu ₃ Ti ₄ O ₁₂ nano-composite ceramic synthesized by one-pot, glycine-assisted nitrate-gel route. <i>Ceramics International</i> , 2014, 40, 10073-10083.	4.8	48
13	Dielectric studies of a nano-crystalline CaCu _{2.90} Zn _{0.10} Ti ₄ O ₁₂ electro-ceramic by one pot glycine assisted synthesis from inexpensive TiO ₂ for energy storage capacitors. <i>RSC Advances</i> , 2014, 4, 52770-52784.	3.6	54
14	Comparative dielectric studies of nanostructured BaTiO ₃ , CaCu ₃ Ti ₄ O ₁₂ and 0.5BaTiO ₃ -0.5CaCu ₃ Ti ₄ O ₁₂ nano-composites synthesized by modified sol-gel and solid state methods. <i>Materials Characterization</i> , 2014, 96, 54-62.	4.4	34
15	Experimental and theoretical investigation of fluorine substituted LiFe _{0.4} Mn _{0.6} PO ₄ as cathode material for lithium rechargeable batteries. <i>Solid State Ionics</i> , 2014, 260, 2-7.	2.7	27
16	Fabrication of composites of conjugated polymers with magnetic nanoparticles. , 2008, , .		0