

# Byung Cheol Sin

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

394  
citations

933447

10  
h-index

996975

15  
g-index

17  
all docs

17  
docs citations

17  
times ranked

409  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of dielectric, AC-impedance, modulus properties of 0.5Bi0.5Na0.5TiO3-0.5CaCu3Ti4O12 nano-composite synthesized by a modified solid state method. <i>Materials Science in Semiconductor Processing</i> , 2015, 31, 386-396.	4.0	58
2	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
3	Dielectric studies of a nano-crystalline CaCu <sub>2.90</sub> Zn <sub>0.10</sub> Ti <sub>4</sub> O <sub>12</sub> electro-ceramic by one pot glycine assisted synthesis from inexpensive TiO <sub>2</sub> for energy storage capacitors. <i>RSC Advances</i> , 2014, 4, 52770-52784.	3.6	54
4	Dielectric, AC-impedance, modulus studies on 0.5BaTiO3-0.5CaCu3Ti4O12 nano-composite ceramic synthesized by one-pot, glycine-assisted nitrate-gel route. <i>Ceramics International</i> , 2014, 40, 10073-10083.	4.8	48
5	Comparative dielectric studies of nanostructured BaTiO3, CaCu3Ti4O12 and 0.5BaTiO3-0.5CaCu3Ti4O12 nano-composites synthesized by modified sol-gel and solid state methods. <i>Materials Characterization</i> , 2014, 96, 54-62.	4.4	34
6	A novel low cost non-aqueous chemical route for giant dielectric constant CaCu3Ti4O12 ceramic. <i>Solid State Sciences</i> , 2015, 43, 35-45.	3.2	28
7	Experimental and theoretical investigation of fluorine substituted LiFe0.4Mn0.6PO4 as cathode material for lithium rechargeable batteries. <i>Solid State Ionics</i> , 2014, 260, 2-7.	2.7	27
8	Enhanced electrochemical performance and manganese redox activity of LiFe0.4Mn0.6PO4 by iodine anion substitution as cathode material for Li-ion battery. <i>Journal of Power Sources</i> , 2016, 313, 112-119.	7.8	19
9	Combustion synthesis of nano-crystalline Bi2/3Cu3Ti2.90Fe0.10O12 using inexpensive TiO2 raw material and its dielectric characterization. <i>Powder Technology</i> , 2015, 280, 256-265.	4.2	18
10	Dielectric, ac-impedance and modulus spectroscopic studies of nano-crystalline Bi0.5Na0.5TiO3 synthesized by using one pot glycine assisted solution combustion from inexpensive TiO2. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 867-883.	2.2	10
11	Comparative Dielectric and Ferroelectric Characteristics of Bi0.5Na0.5TiO3, CaCu3Ti4O12, and 0.5Bi0.5Na0.5TiO3-0.5CaCu3Ti4O12 Electroceramics. <i>Journal of Electronic Materials</i> , 2016, 45, 2662-2672.	2.2	10
12	Enhanced electrochemical performance of LiFe0.4Mn0.6(PO4)1-x(BO3)x as cathode material for lithium ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2015, 756, 56-60.	3.8	9
13	Electrochemical performance of hybrid-structured LiFe(PO4)0.5(BO3)0.5 cathode material for Li-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , 2018, 823, 155-160.	3.8	9
14	Phase transition-induced improvement in the capacity of fluorine-substituted LiFeBO3 as a cathode material for lithium ion batteries. <i>Electrochimica Acta</i> , 2021, 367, 137364.	5.2	8
15	Structural, impedance, and modulus spectroscopic studies on Y2/3Cu3Ti3.95In0.05O12 polycrystalline material prepared by flame synthesis method. <i>Applied Spectroscopy Reviews</i> , 2016, 51, 735-752.	6.7	5
16	Fabrication of composites of conjugated polymers with magnetic nanoparticles. , 2008, , .		0