

Shyamsunder Bhoga

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38

papers

228

citations

8

h-index

13

g-index

44

ext. papers

246

ext. citations

2

avg, IF

2.86

L-index

#	Paper	IF	Citations
38	Structural and electrochemical investigation on Ga ³⁺ doped Pr _{1.3} Sr _{0.7} Ni _{0.7} Cu _{0.3} O ₄ + Γ cathodes for IT-SOFC applications. <i>Ionics</i> , 2017 , 23, 2561-2570	2.7	1
37	Synthesis and characterization of Ce-doped Sm ₂ CuO ₄ + Γ cathode for IT-SOFC applications. <i>Ionics</i> , 2017 , 23, 2553-2560	2.7	5
36	Study on ammonium acetate salt-added polyvinyl alcohol-based solid proton-conducting polymer electrolytes. <i>Ionics</i> , 2013 , 19, 1619-1626	2.7	11
35	Implications of Time Varying Cosmological Constant on Kaluza-Klein Cosmological Model. <i>International Journal of Theoretical Physics</i> , 2013 , 52, 4416-4426	1.1	5
34	Electrochemical performance of strontium-doped neodymium nickelate mixed ionic-electronic conductor for intermediate temperature solid oxide fuel cells. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 617-626	2.6	21
33	Effect of preparative methods on electrical and electrochemical performance of lanthanum strontium manganite. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 1605-1613	2.6	2
32	Direct Synthesis of Fe-Pt Nanoparticles in Ordered Face Centered (fcc) L1 ₀ Phase by Microwave Assisted Route 2011 ,		1
31	Investigation on Structure and Electrical Property of Perovskite Type Ba _x Sr _{1-x} Co _{0.6} Fe _{0.4} O _{3-Γ} (Γ = 0.20.8) Oxides. <i>Integrated Ferroelectrics</i> , 2010 , 116, 101-112	0.8	1
30	Preparation and Characterization of Proton Conducting Polymer Electrolyte. <i>Integrated Ferroelectrics</i> , 2010 , 119, 74-81	0.8	3
29	Study of Mechanochemically Prepared Nanostructured Nd _{1.8} Ce _{0.2} CuO ₄ Cathode. <i>Integrated Ferroelectrics</i> , 2010 , 116, 59-67	0.8	3
28	Fabrication of 1D Microtubes of ZnS by Microwave Irradiation Method. <i>Integrated Ferroelectrics</i> , 2010 , 116, 16-22	0.8	5
27	Synthesis and Characterization of Nanosized Dy-Doped of Ceria Developed by Microwave Assisted Combustion Route. <i>Integrated Ferroelectrics</i> , 2010 , 121, 13-23	0.8	4
26	Structural and Electrical Characterization of Ce _{1-x} Cu _x O _{2-Γ} (Γ = 0.050.5) Prepared by Combustion Technique. <i>Integrated Ferroelectrics</i> , 2010 , 119, 66-73	0.8	2
25	Study of mechanochemically prepared nanocrystalline La _{0.8} Sr _{0.2} MnO ₃ . <i>Ionics</i> , 2010 , 16, 361-370	2.7	10
24	Protonic batteries based on chemically synthesized MnO ₂ . <i>Ionics</i> , 2009 , 15, 73-77	2.7	1
23	Effect of Sr content on structure and electrical properties of La _{1-Γ} Sr _{Γ} MnO ₃ from ITSOFC cathode view point. <i>Ionics</i> , 2009 , 15, 571-578	2.7	12
22	The role of electrolyte in governing the performance of protonic solid state battery. <i>Ionics</i> , 2007 , 13, 329-332	2.7	7

21	Low temperature processing of dense samarium-doped CeO ₂ ceramics: sintering and intermediate temperature ionic conductivity. <i>Ionics</i> , 2007 , 13, 429-434	2.7	27
20	Electrochemical solid state gas sensors: An overview. <i>Ionics</i> , 2007 , 13, 417-427	2.7	32
19	Investigation of Nano Size Lead Magnesium Niobate Synthesised by Combustion Method. <i>Ferroelectrics</i> , 2007 , 361, 120-129	0.6	1
18	Nanosized ceria-based ceramics: a comparative study. <i>Ionics</i> , 2006 , 12, 295-301	2.7	23
17	Enhanced Electrode Kinetics in Electrochemical CO ₂ and SO ₂ Gas Sensors with Ferroelectric Dispersed Composite. <i>Ferroelectrics</i> , 2006 , 332, 89-96	0.6	1
16	AgNbO ₃ dispersed Ag ₂ SO ₄ composite for potentiometric SO ₂ gas sensor application. <i>Ionics</i> , 2004 , 10, 39-44	2.7	4
15	Galvanic CO ₂ sensor with Li ₂ O: B ₂ O ₃ glass ceramics based composite. <i>Ionics</i> , 2004 , 10, 45-49	2.7	3
14	Performance of solid state protonic battery with different cathodes. <i>Ionics</i> , 2004 , 10, 99-102	2.7	1
13	Investigation of the Ag ₂ SO ₄ /BaSO ₄ binary system from an SO _x sensor point of view. <i>Ionics</i> , 2002 , 8, 470-478	2.7	2
12	An investigation on rare-earth cation substituted beta-Me ₂ SO ₄ (Me = Ag, Li and Na). <i>Journal Physics D: Applied Physics</i> , 2000 , 33, 80-87	3	4
11	SO _x solid state gas sensors: A review. <i>Bulletin of Materials Science</i> , 1999 , 22, 71-83	1.7	9
10	A new Na ⁺ glass-dispersed Na ₂ CO ₃ composite for a solid state electrochemical CO ₂ gas sensor. <i>Journal of Solid State Electrochemistry</i> , 1999 , 3, 258-263	2.6	3
9	Ionic Conductivity of Aliovalent Cation-Doped Ag ₂ SO ₄ . <i>Physica Status Solidi A</i> , 1998 , 168, 367-372		2
8	Effect of stoichiometry on the thermal expansion coefficients of lithium niobate single crystals. <i>Bulletin of Materials Science</i> , 1998 , 21, 469-474	1.7	4
7	PC based ferroelectric analyzer using modified sawyer and tower circuit. <i>Ferroelectrics</i> , 1996 , 189, 9-15	0.6	4
6	An analysis of the electrical conductivity of the Ag ₂ SO ₄ -K ₂ SO ₄ binary system. <i>Bulletin of Materials Science</i> , 1995 , 18, 147-154	1.7	4
5	An analysis of the electrical conductivity in BaSO ₄ -added Ag ₂ SO ₄ solid electrolyte system. <i>Bulletin of Materials Science</i> , 1995 , 18, 237-246	1.7	2
4	Electrical properties of the Ag ₂ SO ₄ -Na ₂ SO ₄ binary system. <i>Applied Physics A: Solids and Surfaces</i> , 1992 , 55, 493-501		3

- 3 Glass dispersion favours ionic conduction in $6\text{Li}_2\text{SO}_4\text{-}4\text{Li}_2\text{CO}_3$ composite solid electrolyte. *Journal of Materials Science*, **1990**, 25, 2520-2526 4.3 1
- 2 On the Insertion of $7\text{Li}_2\text{O} : 3\text{B}_2\text{O}_3$ Glass into the Polycrystalline $6\text{Li}_2\text{SO}_4 : 4\text{Li}_2\text{CO}_3$ Composite System. *Journal of the Electrochemical Society*, **1990**, 137, 1970-1972 3.9 2
- 1 Aliovalent substitution in Li_2SO_4 towards conductivity enhancement. *Bulletin of Materials Science*, **1987**, 9, 263-267 1.7 1