

S Ajith Kumar

List of Publications by Year in descending order

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15
papers

148
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1307594

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#	ARTICLE	IF	CITATIONS
1	Auto-combustion synthesis and electrochemical studies of La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3-δ} / Ce _{0.8} Sm _{0.1} Gd _{0.1} O _{1.90} nanocomposite cathode for intermediate temperature solid oxide fuel cells. <i>Ceramics International</i> , 2018, 44, 21188-21196.	4.8	27
2	Codoped Ceria Ce _{0.8} M _{0.1} Gd _{0.1} O _{2-δ} (M =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Cerium-Na ₂ CO ₃ Nanocomposite Electrolytes for Solid Oxide Fuel Cells. <i>ACS Applied Nano Materials</i> , 2019, 2, 6300-6311.	5.0	18
3	Effect of Sm co-doping on structural, mechanical and electrical properties of Gd doped ceria solid electrolytes for intermediate temperature solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 29690-29704.	7.1	17
4	Optoelectronic and electrochemical behaviour of $\text{I}^3\text{-CuI}$ thin films prepared by solid iodination process. <i>Progress in Natural Science: Materials International</i> , 2019, 29, 533-540.	4.4	16
5	Electrical Conductivity of NiO-Gadolinia Doped Ceria Anode Material for Intermediate Temperature Solid Oxide Fuel Cells. <i>Nano Hybrids and Composites</i> , 0, 17, 224-236.	0.8	13
6	Role of copper/vanadium on the optoelectronic properties of reactive RF magnetron sputtered NiO thin films. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 1299-1312.	3.1	13
7	Investigation on the effect of deposition temperature on structural and nanomechanical properties of electron beam evaporated lanthanum zirconate coatings. <i>Materials Chemistry and Physics</i> , 2019, 236, 121789.	4.0	12
8	Study of low temperature-dependent structural, dielectric, and ferroelectric properties of Ba _x Sr(1- x)TiO ₃ ($x=0.5, 0.6, 0.7$) ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 22, 31, 10446-10459.	2.2	12
9	Tribological properties of YSZ and YSZ/Ni-YSZ nanocomposite coatings prepared by electron beam physical vapour deposition. <i>Ceramics International</i> , 2021, 47, 26010-26018.	4.8	6
10	Structural, morphological and electrical properties of Sm-Gd Co-doped ceria thin films for micro-solid oxide fuel cells. <i>Materials Letters</i> , 2020, 275, 128110.	2.6	5
11	Temperature Responsive Poly(N-isopropylacrylamide-block-styrene) Block Copolymer Coatings with Tunable Hydrophilicity. <i>Surfaces and Interfaces</i> , 2020, 21, 100800.	3.0	3
12	CoGdXFe ₂ XO ₄ (0.00 \leq $X\leq$ 0.08) nanoferrites: effect of Gd ³⁺ ions on structural, optical, magnetic, and dielectric properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 5953-5969.	2.2	3
13	Enhancing the ionic conductivity in the ceria-based electrolytes for intermediate temperature solid oxide fuel cells. , 2020, , 113-163.		2
14	Inter-diffusion effects and tribological behaviour of electron beam evaporated Ni-YSZ nanocomposite coatings subjected to diffusion annealing with borosilicate glass for nuclear applications. <i>Ceramics International</i> , 2022, 48, 13319-13330.	4.8	1
15	Structural, morphological, and electrical properties of YMnO ₃ /Si and YMnO ₃ /Y ₂ O ₃ /Si bilayer thin films by pulsed laser deposition. <i>AIP Conference Proceedings</i> , 2021, , .	0.4	0