S Ajith Kumar

List of Publications by Year
in descending order

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15	148	1307594 7	1199594 12
papers	citations	h-index	g-index

15	15	15	151
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	CoGdXFe2â^'XO4 (0.00â€‰â‰€â€‰Xâ€‰â‰€â€‰¥â€‰0.08) nanoferrites: effect of Gd3+ ions on structural, optical, magnetic, and dielectric properties. Journal of Materials Science: Materials in Electronics, 2022, 33, 5953-5969.	2.2	3
2	Inter-diffusion effects and tribological behaviour of electron beam evaporated Ni-YSZ nanocomposite coatings subjected to diffusion annealing with borosilicate glass for nuclear applications. Ceramics International, 2022, 48, 13319-13330.	4.8	1
3	Structural, morphological, and electrical properties of YMnO3/Si and YMnO3/Y2O3/Si bilayer thin films by pulsed laser deposition. AIP Conference Proceedings, 2021, , .	0.4	0
4	Tribological properties of YSZ and YSZ/Ni-YSZ nanocomposite coatings prepared by electron beam physical vapour deposition. Ceramics International, 2021, 47, 26010-26018.	4.8	6
5	Effect of Sm co-doping on structural, mechanical and electrical properties of Gd doped ceria solid electrolytes for intermediate temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2020, 45, 29690-29704.	7.1	17
6	Temperature Responsive Poly(N-isopropylacrylamide-block-styrene) Block Copolymer Coatings with Tunable Hydrophilicity. Surfaces and Interfaces, 2020, 21, 100800.	3.0	3
7	Structural, morphological and electrical properties of Sm-Gd Co-doped ceria thin films for micro-solid oxide fuel cells. Materials Letters, 2020, 275, 128110.	2.6	5
8	Enhancing the ionic conductivity in the ceria-based electrolytes for intermediate temperature solid oxide fuel cells. , 2020, , 113-163.		2
9	Study of low temperature-dependent structural, dielectric, and ferroelectric properties of BaxSr(1â^'x)TiO3 (xâ€‰=â€‰0.5, 0.6, 0.7) ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 10446-10459.	2.2	12
10	Investigation on the effect of deposition temperature on structural and nanomechanical properties of electron beam evaporated lanthanum zirconate coatings. Materials Chemistry and Physics, 2019, 236, 121789.	4.0	12
11	Codoped Ceria Ce_{0.8}M_{0.1}Gd_{0.1}O_{2â^'Î´} (M =) Tj ETQq1 1 0.784314 rgBT /Overlock Ceriaâ€“Na₂CO₃ Nanocomposite Electrolytes for Solid Oxide Fuel Cells. ACS Applied Nano Materials, 2019, 2, 6300-6311.	5.0	18
12	Optoelectronic and electrochemical behaviour of Î³-CuI thin films prepared by solid iodination process. Progress in Natural Science: Materials International, 2019, 29, 533-540.	4.4	16
13	Role of copper/vanadium on the optoelectronic properties of reactive RF magnetron sputtered NiO thin films. Applied Nanoscience (Switzerland), 2018, 8, 1299-1312.	3.1	13
14	Auto-combustion synthesis and electrochemical studies of La0.6Sr0.4Co0.2Fe0.8O3-Î´ â€“ Ce0.8Sm0.1Gd0.1O1.90 nanocomposite cathode for intermediate temperature solid oxide fuel cells. Ceramics International, 2018, 44, 21188-21196.	4.8	27
15	Electrical Conductivity of NiO-Gadolinia Doped Ceria Anode Material for Intermediate Temperature Solid Oxide Fuel Cells. Nano Hybrids and Composites, 0, 17, 224-236.	0.8	13