sathiyaraj Kandhasamy

List of Publications by Citations

17 papers	185 citations	7 h-index	13 g-index
18 ext. papers	197 ext. citations	4.8 avg, IF	2.96 L-index

#	Paper	IF	Citations
17	Polyvinylpyrrolidone assisted sol–gel route LiCo1/3Mn1/3Ni1/3PO4 composite cathode for aqueous rechargeable battery. *Electrochimica Acta*, **2012**, 60, 170-176	6.7	48
16	Role of structural defects in olivine cathodes. *Progress in Solid State Chemistry*, **2012**, 40, 1-5	8	41
15	Utilizing active multiple dopants (Co and Ni) in olivine LiMnPO4. *Current Opinion in Solid State and Materials Science*, **2012**, 16, 163-167	12	20
14	A review on techniques to fabricate silicon oxide arrays for biomolecules patterning. *Superlattices and Microstructures*, **2011**, 49, 581-590	2.8	13
13	Effect of reaction temperature on morphology and electrochemical behavior. *Ionics*, **2011**, 17, 49-59	2.7	11
12	Olivine-type cathode for rechargeable batteries: Role of chelating agents. *Electrochimica Acta*, **2012**, 82, 302-308	6.7	10
11	Synthetic strategies for better battery performance through advances in materials and chemistry: Olivine LiMn1/3Co1/3Ni1/3PO4. *Journal of Alloys and Compounds*, **2012**, 544, 62-66	5.7	9
10	Influence of Electrode Gas Flow Rate and Solid Oxide Ratio in Electrolyte on the Seebeck Coefficient of Molten Carbonate Thermocell. *Journal of the Electrochemical Society*, **2017**, 164, H5271-H5276	3.9	6
9	. *IEEE Nanotechnology Magazine*, **2012**, 11, 314-320	2.6	6
8	Gas electrodes with nickel based current collectors for molten carbonate electrolyte thermo-electrochemical cells. *Journal of Energy Chemistry*, **2020**, 41, 34-42	12	6
7	Influence of sol–gel derived lithium cobalt phosphate in alkaline rechargeable battery. *Journal of Sol-Gel Science and Technology*, **2012**, 64, 47-53	2.3	4
6	Operational Strategies to Improve the Performance and Long-Term Cyclability of Intermediate Temperature Sodium-Sulfur Batteries. *ChemElectroChem*, **2021**, 8, 1156-1166	4.3	4
5	Thermal Conductivity of Molten Carbonates with Dispersed Solid Oxide from Differential Scanning Calorimetry. *Materials*, **2019**, 12,	3.5	3
4	Electrolyte Melt Compositions for Low Temperature Molten Carbonate Thermocells. *ACS Applied Energy Materials*, **2018**,	6.1	3
3	Device for oxide dots fabrication with copper wire as cathode probe. *Microsystem Technologies*, **2011**, 17, 1459-1462	1.7	1
2	Thermoelectrochemical Cells with Molten Carbonate Electrolytes and Gas Electrodes. *Ceramic Transactions*, **2018**, 225-233	0.1	
1	Thermo-electrochemical cell performance and physicochemical properties of the molten carbonate electrolyte dispersed with different solid oxides. *Electrochimica Acta*, **2021**, 386, 138481	6.7	