

Viswanathan Elumalai

List of Publications by Year in descending order

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18
papers

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1163117

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480
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#	ARTICLE	IF	CITATIONS
1	A facile sonochemical assisted synthesis of $\text{LiMn}_2\text{O}_4/\text{PANI}$ nanocomposite electrode for supercapacitor applications. <i>Journal of Electroanalytical Chemistry</i> , 2017, 797, 78-88.	3.8	102
2	Microwave-enhanced electrochemical cycling performance of the $\text{LiNi}_{0.2}\text{Mn}_{1.8}\text{O}_4$ spinel cathode material at elevated temperature. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 13074-13083.	2.8	46
3	A quasi-liquid polymer-based cobalt redox mediator electrolyte for dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 17419.	2.8	38
4	Enhanced optical transparency and electrical conductivity of Ba and Sb co-doped SnO_2 thin films. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153709.	5.5	37
5	Multiple-quantum spin counting in magic-angle-spinning NMR via low-power symmetry-based dipolar recoupling. <i>Journal of Magnetic Resonance</i> , 2013, 236, 31-40.	2.1	14
6	Dielectric properties and relaxation mechanism of organic trans-stilbene and p-terphenyl molecular crystals using impedance spectroscopy. <i>Journal of Molecular Structure</i> , 2014, 1056-1057, 152-156.	3.6	13
7	Investigations on the structural and optical properties of the swift heavy ion irradiated 6H-SiC. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011, 269, 1103-1107.	1.4	12
8	Identification of Sublattice Damages in Swift Heavy Ion Irradiated N-Doped 6H-SiC Polytype Studied by Solid State NMR. <i>Journal of Physical Chemistry B</i> , 2011, 115, 7766-7772.	2.6	11
9	Raman and time resolved photoluminescence studies on the effect of temperature on disorder production in SHI irradiated N-doped 6H-SiC crystals. <i>Journal of Alloys and Compounds</i> , 2014, 587, 733-738.	5.5	6
10	Structural and electrical conductivity studies on nanocrystalline undoped and silver doped zinc sulphide. <i>Journal of Materials Science</i> , 2010, 45, 6701-6706.	3.7	5
11	Structural and electrical conductivity studies on undoped and copper-doped nanocrystalline zinc sulphide. <i>Journal of Materials Science</i> , 2010, 45, 1242-1247.	3.7	4
12	Polymer-Doped Molten Salt Mixtures as a New Concept for Electrolyte Systems in Dye-Sensitized Solar Cells. <i>ACS Omega</i> , 2017, 2, 6570-6575.	3.5	2
13	Synthesis, X-ray structural determination and biological evaluation of novel ferrocene grafted spiroquinoxalinopyrrolidine. <i>Journal of Molecular Structure</i> , 2021, 1226, 129348.	3.6	2
14	Low temperature dielectric study on swift heavy ion irradiated 6H-SiC crystals. <i>Transactions of the Indian Institute of Metals</i> , 2011, 64, 305-308.	1.5	1
15	Study of Electrical Properties in SHI Irradiated 6H-SiC Crystals using Low Temperature Impedance Spectroscopy. , 2011, , .		1
16	Disorder induced conductivity enhancement in SHI irradiated undoped and N-doped 6H-SiC single crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 11825-11833.	2.2	1
17	Low temperature relaxation properties of SHI irradiated N-doped 6H-SiC. , 2012, , .		0
18	Corrosion Mitigation by an Eco-Friendly Inhibitor: Nerium Oleander Leaf Extract on Carbon Steel in an Acidic Medium. <i>Portugaliae Electrochimica Acta</i> , 2020, 38, 387-400.	1.1	0