

# Alok Rastogi

## List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	High transmittance n-type tin-oxysulfide Sn(OxS <sub>2-x</sub> ) heterojunction layer grown from surfactant mediated chemical bath deposition for thin film solar cells. <i>Thin Solid Films</i> , 2021, 733, 138807.	1.8	2
2	Solid-state graphene-based supercapacitor with high-density energy storage using ionic liquid gel electrolyte: electrochemical properties and performance in storing solar electricity. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 1667-1683.	2.5	22
3	Electrochemical energy storage performance of asymmetric PEDOT and graphene electrode-based supercapacitors using ionic liquid gel electrolyte. <i>Journal of Applied Electrochemistry</i> , 2018, 48, 747-764.	2.9	9
4	Effect of electrode charge balance on the energy storage performance of hybrid supercapacitor cells based on LiFePO <sub>4</sub> as Li-ion battery electrode and activated carbon. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 1063-1078.	2.5	29
5	Bifacial carbon nanofoam-fibrous PEDOT composite supercapacitor in the 3-electrode configuration for electrical energy storage. <i>Synthetic Metals</i> , 2016, 219, 1-10.	3.9	42
6	Electrochemical performance of supercapacitors based on carbon nanofoam composite and microporous poly(3, 4-ethylenedioxythiophene) thin film asymmetric electrodes. <i>Materials Chemistry and Physics</i> , 2016, 176, 75-86.	4.0	17
7	Synthesis and properties of Zn(Cu <sup>2+</sup> /Mn)O dilute magnetic semiconductor thin films by chemical spray pyrolysis technique. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 107, 183-190.	5.5	7
8	Polyacrylonitrile and 1-Ethyl-3-Methylimidazolium Thiocyanate Based Gel Polymer Electrolyte for Solid-State Supercapacitors with Graphene Electrodes. <i>ECS Transactions</i> , 2013, 50, 145-151.	0.5	9
9	Nanoscale Blended MnO <sub>2</sub> Nanoparticles in Electro-polymerized Polypyrrole Conducting Polymer for Energy Storage in Supercapacitors. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1552, 11-16.	0.1	6
10	Solution Processed TiO <sub>2</sub> Nanotubular Core with Polypyrrole Conducting Polymer Shell Structures for Supercapacitor Energy Storage Devices. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1547, 69-74.	0.1	2
11	Solution Growth and Optical Characterization of Thin Films with ZnO <sub>1-x</sub> S <sub>x</sub> and ZnO Nanorods in Core-Shell like Nanostructure for Solar Cell Application. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1449, 93.	0.1	1
12	Solid-State Supercapacitors Based on Pulse Polymerized Poly(3,4-ethylenedioxythiophene) Electrodes and Ionic Liquid Gel Polymer Electrolyte. <i>Journal of the Electrochemical Society</i> , 2012, 159, A1664-A1671.	2.9	53
13	Graphene-Based All-Solid-State Supercapacitor with Ionic Liquid Gel Polymer Electrolyte. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1440, 25.	0.1	16
14	Closed-Space Flux Sublimation Growth and Properties of (Cu-Mn)-Doped ZnO Films in Nanoneedle-Like Morphologies. <i>Integrated Ferroelectrics</i> , 2011, 125, 130-140.	0.7	4
15	Polarization Switching Behaviour of Metallo-Organic Decomposition Processed (Pb <sub>0.60</sub> /Ca <sub>0.40</sub> )TiO <sub>3</sub> Thin Film Capacitors. <i>Integrated Ferroelectrics</i> , 2010, 121, 36-45.	0.7	2
16	Properties and mechanism of solar absorber CdTe thin film synthesis by unipolar galvanic pulsed electrodeposition. <i>Journal of Applied Electrochemistry</i> , 2009, 39, 167-176.	2.9	9
17	FERROELECTRIC PROPERTIES AND FATIGUE BEHAVIOR OF (Pb <sub>0.5</sub> Ca <sub>0.5</sub> )TiO <sub>3</sub> THIN FILM. <i>Integrated Ferroelectrics</i> , 2009, 107, 69-82.	0.7	0
18	Manganese oxide embedded polypyrrole nanocomposites for electrochemical supercapacitor. <i>Electrochimica Acta</i> , 2008, 53, 7690-7695.	5.2	273