

## Curriculum Vitae

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### **Publications (List of papers published in SCI Journals during 2015-2020)**

<b>S No</b>	<b>Title of the Research Publication</b>	<b>Name of the Journal</b>	<b>Details of Publication</b>	<b>Impact Factor</b>
1	Cation intercalated one-dimensional manganese hydroxide nanorods and hierarchical mesoporous activated carbon nanosheets with ultrahigh capacitance retention asymmetric supercapacitors	Journal of Colloid and Interface Science	Publisher: Elsevier 15 April 2020 Volume 566 Pages 485 – 494	7.489
2	Exploration of organic additives-assisted vanadium pentoxide ( $V_2O_5$ ) nanoparticles for Cu / n- $V_2O_5$ / p-Si Schottky diode applications	Journal of Materials Science: Materials in Electronics	Publisher: Springer 01 December 2019 Volume 30 Issue 24 Pages 20989 – 20996	2.220
3	Open atmospheric processed perovskite solar cells using dopant-free, highly hydrophobic hole-transporting materials: Influence of thiophene and selenophene $\pi$ -spacers on charge transport and recombination properties	Solar Energy Materials and Solar Cells	Publisher: Elsevier 01 September 2019 Volume 199 Pages 66 – 74	6.984
4	Open atmosphere-processed stable perovskite solar cells using molecular engineered, dopant-free, highly hydrophobic polymeric hole-transport materials: Influence of thiophene and alkyl chain on power conversion efficiency	The Journal of Physical Chemistry C	Publisher: ACS 12 March 2019 Volume 123 Issue 14 Pages 8560 – 8568	4.189
5	Multiscale honeycomb-structured activated carbon obtained from nitrogen-containing mandarin peel: high-performance supercapacitors with significant cycling stability	New Journal of Chemistry	Publisher: RSC 28 February 2019 Volume 43 Issue 8 Pages 3486 – 3492	3.288
6	Nickel self-doped iron oxide / manganese carbonate hierarchical 2D/3D structures for electrochemical energy storage	Electrochimica Acta	Publisher: Elsevier 20 February 2019 Volume 297 Pages 77 – 86	6.125
7	Stabilization of cryptomelane $\alpha$ - $MnO_2$ nanowires tunnels widths for enhanced electrochemical energy storage	Electrochimica Acta	Publisher: Elsevier 01 September 2018 Volume 283 Pages 1679 – 1688	6.125

8	Revealing the self-degradation mechanisms in methylammonium lead iodide perovskites in dark and vacuum	ChemPhysChem	Publisher: Wiley 19 June 2018 Volume 19 Issue 12 Pages 1507 – 1513	3.144
9	Phase transformation and evolution of localized surface plasmon resonance in Cu <sub>2-x</sub> S thin films deposited at 60°C	The Journal of Physical Chemistry C	Publisher: ACS 01 November 2017 Volume 121 Issue 45 Pages 25440 – 25446	4.189
10	Interplay between iodide and tin vacancies in CsSnI <sub>3</sub> perovskite solar cells	The Journal of Physical Chemistry C	Publisher: ACS 10 July 2017 Volume 121 Issue 30 Pages 16447 – 16453	4.189
11	Influence of calcinations temperature on the luminescence properties of Eu <sup>3+</sup> doped CaAl <sub>4</sub> O <sub>7</sub> phosphor prepared by Pechini method	Spectrochimica Acta Part A: Molecular & Biomolecular Spectroscopy	Publisher: Elsevier 05 January 2015 Volume 134 Pages 283-287	3.232