

# Narayanasamy Padmanathan

## List of Publications by Citations

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23  
papers

850  
citations

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h-index

23  
g-index

23  
ext. papers

1,004  
ext. citations

4.2  
avg, IF

4.82  
L-index

#	Paper	IF	Citations
23	Mesoporous MnCo <sub>2</sub> O <sub>4</sub> spinel oxide nanostructure synthesized by solvothermal technique for supercapacitor. <i>Ionics</i> , <b>2014</b> , 20, 479-487	2.7	112
22	Shape controlled synthesis of CeO <sub>2</sub> nanostructures for high performance supercapacitor electrodes. <i>RSC Advances</i> , <b>2014</b> , 4, 6527	3.7	107
21	Controlled growth of spinel NiCo <sub>2</sub> O <sub>4</sub> nanostructures on carbon cloth as a superior electrode for supercapacitors. <i>RSC Advances</i> , <b>2014</b> , 4, 8341	3.7	85
20	Hierarchical NiO/n-Fe <sub>2</sub> O <sub>3</sub> microflower (3D)/ nanorod (1D) hetero-architecture as a supercapattery electrode with excellent cyclic stability. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 4820-4830	13	85
19	Multifunctional Nickel Phosphate Nano/Microflakes 3D Electrode for Electrochemical Energy Storage, Nonenzymatic Glucose, and Sweat pH Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 8599-8610	9.5	75
18	Electrochemical capacitance of porous NiO/CeO <sub>2</sub> binary oxide synthesized via sol-gel technique for supercapacitor. <i>Ionics</i> , <b>2014</b> , 20, 409-420	2.7	58
17	Spinel CuCo <sub>2</sub> O <sub>4</sub> Nanoparticles: Facile One-Step Synthesis, Optical, and Electrochemical properties. <i>Materials Research Express</i> , <b>2016</b> , 3, 095021	1.7	41
16	Solvothermal synthesis of mesoporous NiCo <sub>2</sub> O <sub>4</sub> spinel oxide nanostructure for high-performance electrochemical capacitor electrode. <i>Ionics</i> , <b>2013</b> , 19, 1535-1544	2.7	34
15	Cobalt Phosphate-Based Supercapattery as Alternative Power Source for Implantable Medical Devices. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 569-578	6.1	34
14	Effect of nanofiller CeO <sub>2</sub> on structural, conductivity, and dielectric behaviors of plasticized blend nanocomposite polymer electrolyte. <i>Ionics</i> , <b>2015</b> , 21, 829-840	2.7	33
13	Design of hydrophobic polydimethylsiloxane and polybenzoxazine hybrids for interlayer low k dielectrics. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 3995-4008	3.6	33
12	Hydrothermal synthesis of carbon- and reduced graphene oxide-supported CoMoO <sub>4</sub> nanorods for supercapacitor. <i>Ionics</i> , <b>2014</b> , 20, 1323-1334	2.7	30
11	Pseudocapacitance of CoMoO <sub>4</sub> nanoflakes in non-aqueous electrolyte and its bi-functional electro catalytic activity for methanol oxidation. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 16297-16305	6.7	24
10	Structural, conductivity, and dielectric characterization of PEO/PEG blend composite polymer electrolyte dispersed with TiO <sub>2</sub> nanoparticles. <i>Ionics</i> , <b>2013</b> , 19, 1115-1123	2.7	21
9	Structural evaluation and nonlinear optical properties of Ni/NiO, Ni/NiCo <sub>2</sub> O <sub>4</sub> and Co/Co <sub>3</sub> O <sub>4</sub> nanocomposites. <i>Applied Surface Science</i> , <b>2013</b> , 282, 656-661	6.7	20
8	NiO hybrid nanoarchitecture-based pseudocapacitor in organic electrolyte with high rate capability and cycle life. <i>Ionics</i> , <b>2015</b> , 21, 2623-2631	2.7	16
7	Reduced graphene oxide (rGO): supported NiO, Co <sub>3</sub> O <sub>4</sub> and NiCo <sub>2</sub> O <sub>4</sub> hybrid composite on carbon cloth (CC)Bi-functional electrode/catalyst for energy storage and conversion devices. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 4869-4880	2.1	14

6	Effect of ZnO, SiO <sub>2</sub> dual shells on CeO <sub>2</sub> hybrid core-shell nanostructures and their structural, optical and magnetic properties. <i>RSC Advances</i> , <b>2014</b> , 4, 55745-55751	3.7	14
5	Honeycomb micro/nano-architecture of stable NiMoO <sub>4</sub> electrode/catalyst for sustainable energy storage and conversion devices. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 30911-30923	6.7	8
4	Optical and magnetic properties of Yb ion-doped cobalt-based ZnO nanoparticles for DMS applications. <i>Bulletin of Materials Science</i> , <b>2015</b> , 38, 1389-1398	1.7	3
3	Reduced graphene oxide/VSB-5 composite micro/nanorod electrode for high energy density supercapattery. <i>Electrochimica Acta</i> , <b>2021</b> , 391, 138903	6.7	2
2	Fabrication of CeO <sub>2</sub> /CuO bimetallic oxides thin film heterostructure for tunable UV filter applications. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 24011-24025	2.1	1
1	Doping catalysed unintentional hydrogenation effect on the structural, optical and magnetic properties of Co-doped ZnO semiconductor nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 1	2.1	0