

# Narayanasamy Padmanathan

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1998378/narayanasamy-padmanathan-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

23  
papers

850  
citations

16  
h-index

23  
g-index

23  
ext. papers

1,004  
ext. citations

4.2  
avg, IF

4.82  
L-index

#	Paper	IF	Citations
23	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
22	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
21	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
20	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
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	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
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	Hierarchical NiO/n-ZnO 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
15	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
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	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
12	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
11	Pseudocapacitance of NiCoMoO <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	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
9	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
8	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
7	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

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	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
4	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
3	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
2	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
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