

Sumanta Kumar Meher

List of Publications by Year in descending order

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25
papers

3,275
citations

448610

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651938

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docs citations

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times ranked

4934
citing authors

#	ARTICLE	IF	CITATIONS
1	Ribbon-like Nickel Cobaltite with Layer-by-Layer-Assembled Ordered Nanocrystallites for Next-Generation All-Solid-State Hybrid Supercapatteries. <i>Langmuir</i> , 2022, 38, 3969-3983.	1.6	13
2	The rational design of hierarchical $\text{CoS}_2/\text{CuCoS}_4$ for three-dimensional all-solid-state hybrid supercapacitors with high energy density, rate efficiency, and operational stability. <i>Sustainable Energy and Fuels</i> , 2021, 5, 973-985.	2.5	39
3	Hierarchically structured $\text{Ni}(\text{OH})_2$ clusters: a uniquely efficient aqueous phase pollutant adsorbent for multiple anionic dyes and heavy metal ions. <i>Materials Today Chemistry</i> , 2021, 22, 100551.	1.7	4
4	3D-heterostructured NiO nanofibers/ultrathin g-C ₃ N ₄ holey nanosheets: An advanced electrode material for all-solid-state asymmetric supercapacitors with multi-fold enhanced energy density. <i>Electrochimica Acta</i> , 2020, 358, 136871.	2.6	28
5	Study of Ni-doping and open-pore microstructure as physico-electrochemical stimuli towards the electrocatalytic efficiency of Ni/NiO for the oxygen evolution reaction. <i>New Journal of Chemistry</i> , 2020, 44, 17507-17517.	1.4	19
6	Wrapped nitrogen-doped defective reduced graphene oxide (ND-rGO): A virtual electron bed for enhanced supercapacitive charge storage in stepped-surfaced-NiCo ₂ O ₄ /ND-rGO Bi ₂ O ₃ asymmetric device. <i>Electrochimica Acta</i> , 2020, 338, 135819.	2.6	19
7	Co ₃ O ₄ /NiCo ₂ O ₄ Perforated Nanosheets for High-Energy-Density All-Solid-State Asymmetric Supercapacitors with Extended Cyclic Stability. <i>ACS Applied Nano Materials</i> , 2020, 3, 4241-4252.	2.4	50
8	Column Study for Adsorption of Methylene Blue Dye using Azadirachta indica Adsorbent. <i>Asian Journal of Water, Environment and Pollution</i> , 2020, 17, 47-52.	0.4	2
9	Sedgelike Porous Co ₃ O ₄ Nanoarrays as a Novel Positive Electrode Material for Co ₃ O ₄ Bi ₂ O ₃ Asymmetric Supercapacitors. <i>ACS Applied Nano Materials</i> , 2019, 2, 5573-5586.	2.4	46
10	Hierarchically Organized Ultrathin NiO Nanofibers/Highly Defective rGO Heteronanocomposite: An Advanced Electrode Material for Asymmetric Supercapacitors. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900889.	1.9	35
11	Novel nanostructured CeO ₂ as efficient catalyst for energy and environmental applications. <i>Journal of Chemical Sciences</i> , 2014, 126, 361-372.	0.7	6
12	Alcohol induced ultra-fine dispersion of Pt on tuned morphologies of CeO ₂ for CO oxidation. <i>Applied Catalysis B: Environmental</i> , 2013, 130-131, 121-131.	10.8	49
13	Archetypal sandwich-structured CuO for high performance non-enzymatic sensing of glucose. <i>Nanoscale</i> , 2013, 5, 2089.	2.8	167
14	Morphology-Controlled Promoting Activity of Nanostructured MnO ₂ for Methanol and Ethanol Electrooxidation on Pt/C. <i>Journal of Physical Chemistry C</i> , 2013, 117, 4888-4900.	1.5	94
15	Nature and catalytic activity of bimetallic CuNi particles on CeO ₂ support. <i>Catalysis Today</i> , 2012, 198, 140-147.	2.2	42
16	Polymer-Assisted Hydrothermal Synthesis of Highly Reducible Shuttle-Shaped CeO ₂ : Microstructural Effect on Promoting Pt/C for Methanol Electrooxidation. <i>ACS Catalysis</i> , 2012, 2, 2795-2809.	5.5	141
17	Enhanced activity of microwave synthesized hierarchical MnO ₂ for high performance supercapacitor applications. <i>Journal of Power Sources</i> , 2012, 215, 317-328.	4.0	147
18	Tuning, via Counter Anions, the Morphology and Catalytic Activity of CeO ₂ Prepared under Mild Conditions. <i>Journal of Colloid and Interface Science</i> , 2012, 373, 46-56.	5.0	52

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19	Nanoscale morphology dependent pseudocapacitance of NiO: Influence of intercalating anions during synthesis. <i>Nanoscale</i> , 2011, 3, 683-692.	2.8	280
20	Effect of Microwave on the Nanowire Morphology, Optical, Magnetic, and Pseudocapacitance Behavior of Co ₃ O ₄ . <i>Journal of Physical Chemistry C</i> , 2011, 115, 25543-25556.	1.5	240
21	Microwave-Mediated Synthesis for Improved Morphology and Pseudocapacitance Performance of Nickel Oxide. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 2063-2073.	4.0	416
22	Ultralayered Co ₃ O ₄ for High-Performance Supercapacitor Applications. <i>Journal of Physical Chemistry C</i> , 2011, 115, 15646-15654.	1.5	902
23	Metal Oxide Promoted Electrocatalysts for Methanol Oxidation. <i>Catalysis Surveys From Asia</i> , 2011, 15, 221-229.	1.0	22
24	Pine-cone morphology and pseudocapacitive behavior of nanoporous nickel oxide. <i>Electrochimica Acta</i> , 2010, 55, 8388-8396.	2.6	186
25	Tuning of Capacitance Behavior of NiO Using Anionic, Cationic, and Nonionic Surfactants by Hydrothermal Synthesis. <i>Journal of Physical Chemistry C</i> , 2010, 114, 5203-5210.	1.5	276