

Aneeya K Samantara

List of Publications by Year in descending order

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38
papers

1,585
citations

394286

19
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345118

36
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41
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docs citations

41
times ranked

2486
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface-Oxidized Dicobalt Phosphide Nanoneedles as a Nonprecious, Durable, and Efficient OER Catalyst. <i>ACS Energy Letters</i> , 2016, 1, 169-174.	8.8	251
2	Highly Active 2D Layered MoS ₂ -rGO Hybrids for Energy Conversion and Storage Applications. <i>Scientific Reports</i> , 2017, 7, 8378.	1.6	143
3	Urea-Assisted Room Temperature Stabilized Metastable \hat{I}^2 -NiMoO ₄ : Experimental and Theoretical Insights into its Unique Bifunctional Activity toward Oxygen Evolution and Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 9640-9653.	4.0	127
4	A facile electrochemical approach for development of highly corrosion protective coatings using graphene nanosheets. <i>Electrochemistry Communications</i> , 2013, 32, 22-26.	2.3	114
5	A cobalt metal-organic framework (Co-MOF): a bi-functional electro active material for the oxygen evolution and reduction reaction. <i>Dalton Transactions</i> , 2019, 48, 10557-10564.	1.6	106
6	Sandwiched graphene with nitrogen, sulphur co-doped CQDs: an efficient metal-free material for energy storage and conversion applications. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16961-16970.	5.2	100
7	Synergistic Effect of Inactive Iron Oxide Core on Active Nickel Phosphide Shell for Significant Enhancement in Oxygen Evolution Reaction Activity. <i>ACS Energy Letters</i> , 2018, 3, 141-148.	8.8	74
8	Highly ordered 1D NiCo ₂ O ₄ nanorods on graphene: An efficient dual-functional hybrid materials for electrochemical energy conversion and storage applications. <i>Electrochimica Acta</i> , 2018, 263, 147-157.	2.6	57
9	Three-dimensional NiCoP hollow spheres: an efficient electrode material for hydrogen evolution reaction and supercapacitor applications. <i>RSC Advances</i> , 2020, 10, 4650-4656.	1.7	56
10	A facile approach for in situ synthesis of graphene-branched-Pt hybrid nanostructures with excellent electrochemical performance. <i>Nanoscale</i> , 2013, 5, 11265.	2.8	49
11	VS ₂ : an efficient catalyst for an electrochemical hydrogen evolution reaction in an acidic medium. <i>Dalton Transactions</i> , 2018, 47, 13792-13799.	1.6	49
12	Graphene-induced Pd nanodendrites: A high performance hybrid nanoelectrocatalyst. <i>Nano Research</i> , 2013, 6, 635-643.	5.8	47
13	Simple Growth of Faceted Au-ZnO Hetero-nanostructures on Silicon Substrates (Nanowires and) Tj ETQq1 1 0.784314 rgBT /Overl Visible Light. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9486-9496.	4.0	38
14	In Situ Transformed Cobalt Metal-Organic Framework Electrocatalysts for the Electrochemical Oxygen Evolution Reaction. <i>Inorganic Chemistry</i> , 2020, 59, 12252-12262.	1.9	37
15	Facile synthesis of Ag nanowire-rGO composites and their promising field emission performance. <i>RSC Advances</i> , 2015, 5, 41887-41893.	1.7	34
16	Metal-organic framework (MOF)-derived amorphous nickel boride: an electroactive material for electrochemical energy conversion and storage application. <i>Sustainable Energy and Fuels</i> , 2021, 5, 1184-1193.	2.5	32
17	Good's buffer derived highly emissive carbon quantum dots: excellent biocompatible anticancer drug carrier. <i>Journal of Materials Chemistry B</i> , 2016, 4, 2412-2420.	2.9	28
18	Synergistic electrocatalytic activity of a spinel ZnCo ₂ O ₄ /reduced graphene oxide hybrid towards oxygen reduction reaction. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 285-291.	1.2	25

#	ARTICLE	IF	CITATIONS
19	Materials Development for Active/Passive Components of a Supercapacitor. SpringerBriefs in Materials, 2018, , .	0.1	22
20	Impact of Iron in Three-Dimensional Co-MOF for Electrocatalytic Water Oxidation. Inorganic Chemistry, 2022, 61, 62-72.	1.9	20
21	Synthesis of a 3D free standing crystalline NiSe _x matrix for electrochemical energy storage applications. Dalton Transactions, 2019, 48, 16873-16881.	1.6	18
22	Photoelectrocatalytic oxidation of NADH by visible light driven plasmonic nanocomposites. Journal of Materials Chemistry A, 2014, 2, 12677.	5.2	15
23	An anionic and cationic surfactant-assisted hydrothermal synthesis of cobalt oxide nanoparticles as the active electrode material for supercapacitors. New Journal of Chemistry, 2021, 45, 2795-2803.	1.4	15
24	Cobalt metal organic framework (Co-MOF) derived CoSe ₂ /C hybrid nanostructures for the electrochemical hydrogen evolution reaction supported by DFT studies. New Journal of Chemistry, 2022, 46, 2730-2738.	1.4	15
25	Nitrogen vacancy and hydrogen substitution mediated tunable optoelectronic properties of g-C ₃ N ₄ 2D layered structures: Applications towards blue LED to broad-band photodetection. Applied Surface Science, 2021, 556, 149773.	3.1	14
26	A Bioinspired Approach for Shaping Au Nanostructures: The Role of Biomolecule Structures in Shape Evolution. Chemistry - A European Journal, 2013, 19, 8220-8226.	1.7	12
27	Cobalt pyrophosphate (Co ₂ P ₂ O ₇) derived from an open-framework cobalt phosphite: a durable electroactive material for electrochemical energy conversion and storage application. Sustainable Energy and Fuels, 2021, 5, 3729-3736.	2.5	12
28	Electrochemically activated Co-Prussian blue analogue derived amorphous CoB nanostructures: an efficient electrocatalyst for the oxygen evolution reaction. Dalton Transactions, 2022, 51, 2782-2788.	1.6	12
29	Enhanced Oxygen Evolution Reaction with a Ternary Hybrid of Patroniteâ€“Carbon Nanotube-Reduced Graphene Oxide: A Synergy between Experiments and Theory. ACS Applied Materials & Interfaces, 2021, 13, 35828-35836.	4.0	11
30	Components of Supercapacitor. SpringerBriefs in Materials, 2018, , 11-39.	0.1	11
31	Au Nanowire-Striped Cu ₃ P Platelet Photoelectrocatalysts. Journal of Physical Chemistry Letters, 2016, 7, 1077-1082.	2.1	10
32	Synthesis of Ge ₄ Se ₉ nano plates and a reduced graphene oxide composite of Ge ₄ Se ₉ for electrochemical energy storage application. Dalton Transactions, 2019, 48, 15955-15961.	1.6	9
33	A facile approach for the synthesis of copper(<i>scp</i>) myristate strips and their electrochemical activity towards the oxygen reduction reaction. RSC Advances, 2016, 6, 15599-15604.	1.7	6
34	Functionalized graphene. , 2018, , 545-584.		4
35	Non-precious transition metal oxide calcium cobaltite: Effect of dopant on oxygen/hydrogen evolution reaction and thermoelectric properties. Materials Today Communications, 2018, 15, 48-54.	0.9	3
36	Functionalized Graphene Nanocomposites in Air Filtration Applications. , 2019, , 65-89.		2

#	ARTICLE	IF	CITATIONS
37	Supercapacitors based on graphene and its hybrids. , 2021, , 129-157.		0
38	Tuning the Photocatalytic Performance of Plasmonic Nanocomposites (ZnO/Aux) Driven in Visible Light. Current Catalysis, 2019, 8, 56-61.	0.5	0