

# Aneeya K Samantara

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1286202/publications.pdf>

Version: 2024-02-01

38  
papers

1,585  
citations

394286

19  
h-index

345118

36  
g-index

41  
all docs

41  
docs citations

41  
times ranked

2486  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Iron in Three-Dimensional Co-MOF for Electrocatalytic Water Oxidation. Inorganic Chemistry, 2022, 61, 62-72.	1.9	20
2	Cobalt metal organic framework (Co-MOF) derived CoSe <sub>2</sub> /C hybrid nanostructures for the electrochemical hydrogen evolution reaction supported by DFT studies. New Journal of Chemistry, 2022, 46, 2730-2738.	1.4	15
3	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
4	Supercapacitors based on graphene and its hybrids. , 2021, , 129-157.		0
5	Metal-organic framework (MOF)-derived amorphous nickel boride: an electroactive material for electrochemical energy conversion and storage application. Sustainable Energy and Fuels, 2021, 5, 1184-1193.	2.5	32
6	Enhanced Oxygen Evolution Reaction with a Ternary Hybrid of Patronite-Carbon Nanotube-Reduced Graphene Oxide: A Synergy between Experiments and Theory. ACS Applied Materials & Interfaces, 2021, 13, 35828-35836.	4.0	11
7	Nitrogen vacancy and hydrogen substitution mediated tunable optoelectronic properties of g-C <sub>3</sub> N <sub>4</sub> 2D layered structures: Applications towards blue LED to broad-band photodetection. Applied Surface Science, 2021, 556, 149773.	3.1	14
8	Cobalt pyrophosphate (Co <sub>2</sub> P <sub>2</sub> O <sub>7</sub> ) 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
9	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
10	In Situ Transformed Cobalt Metal-Organic Framework Electrocatalysts for the Electrochemical Oxygen Evolution Reaction. Inorganic Chemistry, 2020, 59, 12252-12262.	1.9	37
11	Three-dimensional NiCoP hollow spheres: an efficient electrode material for hydrogen evolution reaction and supercapacitor applications. RSC Advances, 2020, 10, 4650-4656.	1.7	56
12	Synthesis of Ge <sub>4</sub> Se <sub>9</sub> nano plates and a reduced graphene oxide composite of Ge <sub>4</sub> Se <sub>9</sub> for electrochemical energy storage application. Dalton Transactions, 2019, 48, 15955-15961.	1.6	9
13	A cobalt metal-organic framework (Co-MOF): a bi-functional electro active material for the oxygen evolution and reduction reaction. Dalton Transactions, 2019, 48, 10557-10564.	1.6	106
14	Functionalized Graphene Nanocomposites in Air Filtration Applications. , 2019, , 65-89.		2
15	Synthesis of a 3D free standing crystalline NiSe <sub>x</sub> matrix for electrochemical energy storage applications. Dalton Transactions, 2019, 48, 16873-16881.	1.6	18
16	Tuning the Photocatalytic Performance of Plasmonic Nanocomposites (ZnO/Aux) Driven in Visible Light. Current Catalysis, 2019, 8, 56-61.	0.5	0
17	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
18	Highly ordered 1D NiCo <sub>2</sub> O <sub>4</sub> nanorods on graphene: An efficient dual-functional hybrid materials for electrochemical energy conversion and storage applications. Electrochimica Acta, 2018, 263, 147-157.	2.6	57

#	ARTICLE	IF	CITATIONS
19	Materials Development for Active/Passive Components of a Supercapacitor. SpringerBriefs in Materials, 2018, , .	0.1	22
20	Synergistic Effect of Inactive Iron Oxide Core on Active Nickel Phosphide Shell for Significant Enhancement in Oxygen Evolution Reaction Activity. ACS Energy Letters, 2018, 3, 141-148.	8.8	74
21	VS <sub>2</sub> : an efficient catalyst for an electrochemical hydrogen evolution reaction in an acidic medium. Dalton Transactions, 2018, 47, 13792-13799.	1.6	49
22	Functionalized graphene. , 2018, , 545-584.		4
23	Components of Supercapacitor. SpringerBriefs in Materials, 2018, , 11-39.	0.1	11
24	Urea-Assisted Room Temperature Stabilized Metastable $\hat{I}^2$ -NiMoO <sub>4</sub> : Experimental and Theoretical Insights into its Unique Bifunctional Activity toward Oxygen Evolution and Supercapacitor. ACS Applied Materials & Interfaces, 2017, 9, 9640-9653.	4.0	127
25	Highly Active 2D Layered MoS <sub>2</sub> -rGO Hybrids for Energy Conversion and Storage Applications. Scientific Reports, 2017, 7, 8378.	1.6	143
26	Surface-Oxidized Dicobalt Phosphide Nanoneedles as a Nonprecious, Durable, and Efficient OER Catalyst. ACS Energy Letters, 2016, 1, 169-174.	8.8	251
27	Good's buffer derived highly emissive carbon quantum dots: excellent biocompatible anticancer drug carrier. Journal of Materials Chemistry B, 2016, 4, 2412-2420.	2.9	28
28	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
29	Au Nanowire-Striped Cu <sub>3</sub> P Platelet Photoelectrocatalysts. Journal of Physical Chemistry Letters, 2016, 7, 1077-1082.	2.1	10
30	Synergistic electrocatalytic activity of a spinel ZnCo <sub>2</sub> O <sub>4</sub> /reduced graphene oxide hybrid towards oxygen reduction reaction. Journal of Solid State Electrochemistry, 2016, 20, 285-291.	1.2	25
31	Sandwiched graphene with nitrogen, sulphur co-doped CQDs: an efficient metal-free material for energy storage and conversion applications. Journal of Materials Chemistry A, 2015, 3, 16961-16970.	5.2	100
32	Simple Growth of Faceted Au@ZnO Hetero-nanostructures on Silicon Substrates (Nanowires and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Visible Light. ACS Applied Materials & Interfaces, 2015, 7, 9486-9496.	4.0	38
33	Facile synthesis of Ag nanowire@rGO composites and their promising field emission performance. RSC Advances, 2015, 5, 41887-41893.	1.7	34
34	Photoelectrocatalytic oxidation of NADH by visible light driven plasmonic nanocomposites. Journal of Materials Chemistry A, 2014, 2, 12677.	5.2	15
35	A facile electrochemical approach for development of highly corrosion protective coatings using graphene nanosheets. Electrochemistry Communications, 2013, 32, 22-26.	2.3	114
36	Graphene-induced Pd nanodendrites: A high performance hybrid nanoelectrocatalyst. Nano Research, 2013, 6, 635-643.	5.8	47

#	ARTICLE	IF	CITATIONS
37	A Bioinspired Approach for Shaping Au Nanostructures: The Role of Biomolecule Structures in Shape Evolution. <i>Chemistry - A European Journal</i> , 2013, 19, 8220-8226.	1.7	12
38	A facile approach for in situ synthesis of grapheneâ€“branched-Pt hybrid nanostructures with excellent electrochemical performance. <i>Nanoscale</i> , 2013, 5, 11265.	2.8	49