

# Uday Narayan Maiti

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7760993/publications.pdf>

Version: 2024-02-01

36  
papers

3,252  
citations

304743

22  
h-index

330143

37  
g-index

37  
all docs

37  
docs citations

37  
times ranked

6305  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molybdenum Sulfide/N-Doped CNT Forest Hybrid Catalysts for High-Performance Hydrogen Evolution Reaction. <i>Nano Letters</i> , 2014, 14, 1228-1233.	9.1	634
2	25th Anniversary Article: Chemically Modified/Doped Carbon Nanotubes & Graphene for Optimized Nanostructures & Nanodevices. <i>Advanced Materials</i> , 2014, 26, 40-67.	21.0	479
3	Nitrogen-doped carbon nanotubes and graphene composite structures for energy and catalytic applications. <i>Chemical Communications</i> , 2014, 50, 6818.	4.1	428
4	Three-Dimensional Shape Engineered, Interfacial Gelation of Reduced Graphene Oxide for High Rate, Large Capacity Supercapacitors. <i>Advanced Materials</i> , 2014, 26, 615-619.	21.0	396
5	Recent Advances in Polymer and Polymer Composites for Electromagnetic Interference Shielding: Review and Future Prospects. <i>Polymer Reviews</i> , 2019, 59, 687-738.	10.9	153
6	Rheological properties of graphene oxide liquid crystal. <i>Carbon</i> , 2014, 80, 453-461.	10.3	124
7	Low temperature solution processed ZnO/CuO heterojunction photocatalyst for visible light induced photo-degradation of organic pollutants. <i>CrystEngComm</i> , 2015, 17, 1464-1476.	2.6	123
8	Liquid Crystal Size Selection of Large-Size Graphene Oxide for Size-Dependent N-Doping and Oxygen Reduction Catalysis. <i>ACS Nano</i> , 2014, 8, 9073-9080.	14.6	116
9	Dopant-specific unzipping of carbon nanotubes for intact crystalline graphene nanostructures. <i>Nature Communications</i> , 2016, 7, 10364.	12.8	109
10	Selective and Regenerative Carbon Dioxide Capture by Highly Polarizing Porous Carbon Nitride. <i>ACS Nano</i> , 2015, 9, 9148-9157.	14.6	88
11	Graphene aided gelation of MXene with oxidation protected surface for supercapacitor electrodes with excellent gravimetric performance. <i>Carbon</i> , 2020, 169, 225-234.	10.3	73
12	Subnanometer Cobalt-Hydroxide-Anchored N-Doped Carbon Nanotube Forest for Bifunctional Oxygen Catalyst. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 1571-1577.	8.0	67
13	Impact of Atomic Rearrangement and Single Atom Stabilization on MoSe <sub>2</sub> @NiCo <sub>2</sub> Se <sub>4</sub> Heterostructure Catalyst for Efficient Overall Water Splitting. <i>Small</i> , 2022, 18, e2200622.	10.0	42
14	Spontaneous three-dimensional self-assembly of MXene and graphene for impressive energy and rate performance pseudocapacitors. <i>Electrochimica Acta</i> , 2021, 391, 138959.	5.2	37
15	Switching of ferroelectric liquid crystal doped with cetyltrimethylammonium bromide-assisted CdS nanostructures. <i>Nanotechnology</i> , 2013, 24, 125702.	2.6	35
16	A facile strategy for the fabrication of uniform CdS nanowires with high yield and its controlled morphological growth with the assistance of PEG in hydrothermal route. <i>Applied Surface Science</i> , 2011, 258, 163-168.	6.1	33
17	Synthetic strategy of porous ZnO and CdS nanostructures doped ferroelectric liquid crystal and its optical behavior. <i>Journal of Molecular Structure</i> , 2013, 1035, 76-82.	3.6	33
18	Device-oriented graphene nanopatterning by mussel-inspired directed block copolymer self-assembly. <i>Nanotechnology</i> , 2014, 25, 014008.	2.6	29

#	ARTICLE	IF	CITATIONS
19	An ambient condition, one pot route for large scale production of ultrafine (< 15 nm) ZnO nanowires from commercial zinc exhibiting excellent recyclable catalytic performance: Approach extendable to CuO nanostructures. CrystEngComm, 2012, 14, 640-647.	2.6	27
20	Ultra-large area graphene hybrid hydrogel for customized performance supercapacitors: High volumetric, areal energy density and potential wearability. Electrochimica Acta, 2020, 332, 135492.	5.2	25
21	Self-Size-Limiting Nanoscale Perforation of Graphene for Dense Heteroatom Doping. ACS Applied Materials & Interfaces, 2015, 7, 25898-25905.	8.0	24
22	Developing High-Performance Flexible Zinc Ion Capacitors from Agricultural Waste-Derived Carbon Sheets. ACS Sustainable Chemistry and Engineering, 2022, 10, 1471-1481.	6.7	23
23	Ambient condition oxidation of zinc foil in supersaturated solution for shape tailored ZnO nanostructures: low cost candidates for efficient electron emitter and UV-detector. CrystEngComm, 2014, 16, 1659.	2.6	21
24	Three dimensional ZnO nanostructures realized through a polymer mediated aqueous chemical route: candidate for transparent flexible electronics. CrystEngComm, 2012, 14, 8244.	2.6	20
25	Diffusion driven nanostructuring of metal-organic frameworks (MOFs) for graphene hydrogel based tunable heterostructures: highly active electrocatalysts for efficient water oxidation. Journal of Materials Chemistry A, 2021, 9, 7640-7649.	10.3	18
26	Controlling the sharpness of ZnO tetrapods by restricted zinc oxidation in the open air: a low turn-on field emitter stabilized by graphene. Journal of Materials Chemistry C, 2013, 1, 4940.	5.5	17
27	Single crystalline nanostructures of giant dielectric calcium copper titanate: a convenient route toward materialization of hard to realize multi-component perovskite nanostructures. Journal of Materials Science, 2013, 48, 3967-3974.	3.7	10
28	Scalable approach for the realization of garland shaped 3D assembly of CuTCNQ nanorods: an efficient electron emitter. Journal of Materials Chemistry C, 2014, 2, 4005-4011.	5.5	10
29	Polyaniline-Graphene Hydrogel Hybrids via Diffusion Controlled Surface Polymerization for High Performance Supercapacitors. ACS Applied Nano Materials, 2020, 3, 12278-12287.	5.0	10
30	Organic nanowire hierarchy over fabric platform for flexible cold cathode. Nanotechnology, 2013, 24, 465601.	2.6	8
31	Spontaneous hyper-branching in ZnO nanostructures: morphology dependent electron emission and light detection. RSC Advances, 2015, 5, 81176-81187.	3.6	8
32	Carbon: 25th Anniversary Article: Chemically Modified/Doped Carbon Nanotubes & Graphene for Optimized Nanostructures & Nanodevices (Adv. Mater. 1/2014). Advanced Materials, 2014, 26, 2-2.	21.0	7
33	Freestanding MXene-hydrogels prepared via critical density-controlled self-assembly: high-performance energy storage with ultrahigh capacitive vs. diffusion-limited contribution. Journal of Materials Chemistry A, 2021, 9, 25013-25023.	10.3	7
34	ZnO-(Cu/Ag)TCNQ heterostructure network over flexible platform for enhanced cold cathode application. Nanotechnology, 2016, 27, 265601.	2.6	6
35	Simple Solution Phase Synthesis of 3-D Assembly of ZnO Nanoneedles and Its Efficient Field Emission. Journal of Nanoscience and Nanotechnology, 2010, 10, 4341-4347.	0.9	5
36	Stable and boosted oxygen evolution efficiency of mixed metal oxide and borate planner heterostructure over heteroatom (N) doped electrochemically exfoliated graphite foam. Catalysis Today, 2021, 370, 83-92.	4.4	4