

Uday Narayan Maiti

List of Publications by Year in descending order

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36
papers

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times ranked

6305
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | Impact of Atomic Rearrangement and Single Atom Stabilization on MoSe ₂ @NiCo ₂ Se ₄ Heterostructure Catalyst for Efficient Overall Water Splitting. Small, 2022, 18, e2200622. | 10.0 | 42 |
| 3 | 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 |
| 4 | 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 |
| 5 | Spontaneous three-dimensional self-assembly of MXene and graphene for impressive energy and rate performance pseudocapacitors. Electrochimica Acta, 2021, 391, 138959. | 5.2 | 37 |
| 6 | 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 |
| 7 | 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 |
| 8 | Graphene aided gelation of MXene with oxidation protected surface for supercapacitor electrodes with excellent gravimetric performance. Carbon, 2020, 169, 225-234. | 10.3 | 73 |
| 9 | Polyaniline-Graphene Hydrogel Hybrids via Diffusion Controlled Surface Polymerization for High Performance Supercapacitors. ACS Applied Nano Materials, 2020, 3, 12278-12287. | 5.0 | 10 |
| 10 | Recent Advances in Polymer and Polymer Composites for Electromagnetic Interference Shielding: Review and Future Prospects. Polymer Reviews, 2019, 59, 687-738. | 10.9 | 153 |
| 11 | ZnO-(Cu/Ag)TCNQ heterostructure network over flexible platform for enhanced cold cathode application. Nanotechnology, 2016, 27, 265601. | 2.6 | 6 |
| 12 | Dopant-specific unzipping of carbon nanotubes for intact crystalline graphene nanostructures. Nature Communications, 2016, 7, 10364. | 12.8 | 109 |
| 13 | Subnanometer Cobalt-Hydroxide-Anchored N-Doped Carbon Nanotube Forest for Bifunctional Oxygen Catalyst. ACS Applied Materials & Interfaces, 2016, 8, 1571-1577. | 8.0 | 67 |
| 14 | Low temperature solution processed ZnO/CuO heterojunction photocatalyst for visible light induced photo-degradation of organic pollutants. CrystEngComm, 2015, 17, 1464-1476. | 2.6 | 123 |
| 15 | Self-Size-Limiting Nanoscale Perforation of Graphene for Dense Heteroatom Doping. ACS Applied Materials & Interfaces, 2015, 7, 25898-25905. | 8.0 | 24 |
| 16 | Selective and Regenerative Carbon Dioxide Capture by Highly Polarizing Porous Carbon Nitride. ACS Nano, 2015, 9, 9148-9157. | 14.6 | 88 |
| 17 | Spontaneous hyper-branching in ZnO nanostructures: morphology dependent electron emission and light detection. RSC Advances, 2015, 5, 81176-81187. | 3.6 | 8 |
| 18 | Device-oriented graphene nanopatterning by mussel-inspired directed block copolymer self-assembly. Nanotechnology, 2014, 25, 014008. | 2.6 | 29 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | 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 |
| 20 | Three-Dimensional Shape Engineered, Interfacial Gelation of Reduced Graphene Oxide for High Rate, Large Capacity Supercapacitors. Advanced Materials, 2014, 26, 615-619. | 21.0 | 396 |
| 21 | 25th Anniversary Article: Chemically Modified/Doped Carbon Nanotubes & Graphene for Optimized Nanostructures & Nanodevices. Advanced Materials, 2014, 26, 40-67. | 21.0 | 479 |
| 22 | 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 |
| 23 | 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 |
| 24 | Rheological properties of graphene oxide liquid crystal. Carbon, 2014, 80, 453-461. | 10.3 | 124 |
| 25 | Liquid Crystal Size Selection of Large-Size Graphene Oxide for Size-Dependent N-Doping and Oxygen Reduction Catalysis. ACS Nano, 2014, 8, 9073-9080. | 14.6 | 116 |
| 26 | Nitrogen-doped carbon nanotubes and graphene composite structures for energy and catalytic applications. Chemical Communications, 2014, 50, 6818. | 4.1 | 428 |
| 27 | Molybdenum Sulfide/N-Doped CNT Forest Hybrid Catalysts for High-Performance Hydrogen Evolution Reaction. Nano Letters, 2014, 14, 1228-1233. | 9.1 | 634 |
| 28 | 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 |
| 29 | 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 |
| 30 | Synthetic strategy of porous ZnO and CdS nanostructures doped ferroelectric liquid crystal and its optical behavior. Journal of Molecular Structure, 2013, 1035, 76-82. | 3.6 | 33 |
| 31 | Switching of ferroelectric liquid crystal doped with cetyltrimethylammonium bromide-assisted CdS nanostructures. Nanotechnology, 2013, 24, 125702. | 2.6 | 35 |
| 32 | Organic nanowire hierarchy over fabric platform for flexible cold cathode. Nanotechnology, 2013, 24, 465601. | 2.6 | 8 |
| 33 | Three dimensional ZnO nanostructures realized through a polymer mediated aqueous chemical route: candidate for transparent flexible electronics. CrystEngComm, 2012, 14, 8244. | 2.6 | 20 |
| 34 | An ambient condition, one pot route for large scale production of ultrafine (<15 nm) ZnOnanowires from commercial zinc exhibiting excellent recyclable catalytic performance: Approach extendable to CuOnanostructures. CrystEngComm, 2012, 14, 640-647. | 2.6 | 27 |
| 35 | 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. Applied Surface Science, 2011, 258, 163-168. | 6.1 | 33 |
| 36 | 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 |