Aniruddha Kundu

List of Publications by Year
in descending order

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26 papers	1,561 citations	430874 18 h-index	552781 26 g-index
26 all docs	26 docs citations	26 times ranked	2771 citing authors

#	Article	IF	Citations
1	Hierarchical Hollow MOF-Derived Bamboo-like N-doped Carbon Nanotube-Encapsulated Co_{0.25}Ni_{0.75} Alloy: An Efficient Bifunctional Oxygen Electrocatalyst for Zincâ€“Air Battery. ACS Applied Materials & Interfaces, 2021, 13, 30486-30496.	8.0	66
2	Advanced Oxygen Electrocatalyst for Air-Breathing Electrode in Zn-Air Batteries. ACS Applied Materials & Interfaces, 2021, 13, 40172-40199.	8.0	92
3	Multicolor emissive carbon dot with solvatochromic behavior across the entire visible spectrum. Carbon, 2020, 156, 110-118.	10.3	64
4	Construction of FeCo2O4@N-Doped Carbon Dots Nanoflowers as Binder Free Electrode for Reduction and Oxidation of Water. Materials, 2020, 13, 3119.	2.9	18
5	Carbon Dots Integrated NiCo₂O₄ Hierarchical Nanoneedle Arrays Supported on Ni Foam as Efficient and Stable Electrode for Hydrogen and Oxygen Evolution Reactions. Electroanalysis, 2020, 32, 2090-2100.	2.9	10
6	Environmentally benign and cost-effective synthesis of water soluble red light emissive gold nanoclusters: selective and ultra-sensitive detection of mercuric ions. New Journal of Chemistry, 2019, 43, 900-906.	2.8	13
7	Conceptual design of three-dimensional CoN/Ni₃N-coupled nanograsses integrated on N-doped carbon to serve as efficient and robust water splitting electrocatalysts. Journal of Materials Chemistry A, 2018, 6, 4466-4476.	10.3	143
8	Stacked Porous Iron-Doped Nickel Cobalt Phosphide Nanoparticle: An Efficient and Stable Water Splitting Electrocatalyst. ACS Sustainable Chemistry and Engineering, 2018, 6, 6146-6156.	6.7	113
9	Cobalt carbonate hydroxides as advanced battery-type materials for supercapatteries: Influence of morphology on performance. Electrochimica Acta, 2018, 259, 1037-1044.	5.2	70
10	Binder-free cobalt phosphate one-dimensional nanograsses as ultrahigh-performance cathode material for hybrid supercapacitor applications. Journal of Power Sources, 2018, 373, 211-219.	7.8	127
11	Facile approach to synthesize highly fluorescent multicolor emissive carbon dots via surface functionalization for cellular imaging. Journal of Colloid and Interface Science, 2018, 513, 505-514.	9.4	62
12	Controllable sulfuration engineered NiO nanosheets with enhanced capacitance for high rate supercapacitors. Journal of Materials Chemistry A, 2017, 5, 4543-4549.	10.3	105
13	3D yolkâ€“shell NiGa₂S₄ microspheres confined with nanosheets for high performance supercapacitors. Journal of Materials Chemistry A, 2017, 5, 6292-6298.	10.3	52
14	Carbon Dot Assisted Synthesis of Nanostructured Polyaniline for Dye Sensitized Solar Cells. Energy & Fuels, 2017, 31, 7364-7371.	5.1	18
15	Honeycomb-Like Interconnected Network of Nickel Phosphide Heteronanoparticles with Superior Electrochemical Performance for Supercapacitors. ACS Applied Materials & Interfaces, 2017, 9, 21829-21838.	8.0	123
16	Nucleic acid based polymer and nanoparticle conjugates: Synthesis, properties and applications. Progress in Materials Science, 2017, 88, 136-185.	32.8	24
17	Facile Synthesis of Water Soluble, Fluorescent DNA-Polymer Conjugate via Enzymatic Polymerization for Cell Imaging. Journal of Nanoscience and Nanotechnology, 2017, 17, 5168-5174.	0.9	3
18	Preferential Delivery of Anticancer Drug to Nucleic Acids Using Polymer Functionalized Graphene Oxide as Nanocarrier. Journal of Nanoscience and Nanotechnology, 2016, 16, 7363-7372.	0.9	4

#	Article	IF	Citations
19	Facile and green approach to prepare fluorescent carbon dots: Emergent nanomaterial for cell imaging and detection of vitamin B2. Journal of Colloid and Interface Science, 2016, 468, 276-283.	9.4	68
20	Fluorescent Graphene Oxide via Polymer Grafting: An Efficient Nanocarrier for Both Hydrophilic and Hydrophobic Drugs. ACS Applied Materials & Interfaces, 2015, 7, 3512-3523.	8.0	81
21	Nanojacketing and Dejacketing of ds-DNA: A Nondestructive Characterization of a Nanojacketed Sample by Impedance Spectroscopy. Journal of Physical Chemistry B, 2014, 118, 2649-2661.	2.6	2
22	Fluorescence Resonance Energy Transfer from Sulfonated Graphene to Riboflavin: A Simple Way to Detect Vitamin B₂. ACS Applied Materials & Interfaces, 2013, 5, 7392-7399.	8.0	48
23	Highâ€Performance Nanocomposites of Sodium Carboxymethylcellulose and Graphene Oxide. Macromolecular Materials and Engineering, 2013, 298, 1166-1175.	3.6	53
24	Nondestructive Characterization of Li+ Ion-Doped Multifunctional Poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (fluoride Chemistry B, 2013, 117, 1458-1466.	2.6	4
25	Highly Fluorescent Graphene Oxide-Poly(vinyl alcohol) Hybrid: An Effective Material for Specific Au³⁺ Ion Sensors. ACS Applied Materials & Interfaces, 2012, 4, 5576-5582.	8.0	136
26	Enhanced fluorescent intensity of graphene oxideâ€“methyl cellulose hybrid in acidic medium: Sensing of nitro-aromatics. Journal of Materials Chemistry, 2012, 22, 8139.	6.7	62