

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

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all docs

26
docs citations

26
times ranked

2771
citing authors

#	ARTICLE	IF	CITATIONS
1	Conceptual design of three-dimensional CoN/Ni ₃ N-coupled nanograsses integrated on N-doped carbon to serve as efficient and robust water splitting electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4466-4476.	10.3	143
2	Highly Fluorescent Graphene Oxide-Poly(vinyl alcohol) Hybrid: An Effective Material for Specific Au ³⁺ Ion Sensors. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 5576-5582.	8.0	136
3	Binder-free cobalt phosphate one-dimensional nanograsses as ultrahigh-performance cathode material for hybrid supercapacitor applications. <i>Journal of Power Sources</i> , 2018, 373, 211-219.	7.8	127
4	Honeycomb-Like Interconnected Network of Nickel Phosphide Heteronanoparticles with Superior Electrochemical Performance for Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 21829-21838.	8.0	123
5	Stacked Porous Iron-Doped Nickel Cobalt Phosphide Nanoparticle: An Efficient and Stable Water Splitting Electrocatalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6146-6156.	6.7	113
6	Controllable sulfuration engineered NiO nanosheets with enhanced capacitance for high rate supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4543-4549.	10.3	105
7	Advanced Oxygen Electrocatalyst for Air-Breathing Electrode in Zn-Air Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 40172-40199.	8.0	92
8	Fluorescent Graphene Oxide via Polymer Grafting: An Efficient Nanocarrier for Both Hydrophilic and Hydrophobic Drugs. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3512-3523.	8.0	81
9	Cobalt carbonate hydroxides as advanced battery-type materials for supercapacitors: Influence of morphology on performance. <i>Electrochimica Acta</i> , 2018, 259, 1037-1044.	5.2	70
10	Facile and green approach to prepare fluorescent carbon dots: Emergent nanomaterial for cell imaging and detection of vitamin B2. <i>Journal of Colloid and Interface Science</i> , 2016, 468, 276-283.	9.4	68
11	Hierarchical Hollow MOF-Derived Bamboo-like N-doped Carbon Nanotube-Encapsulated Co _{0.25} Ni _{0.75} Alloy: An Efficient Bifunctional Oxygen Electrocatalyst for Zinc-Air Battery. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 30486-30496.	8.0	66
12	Multicolor emissive carbon dot with solvatochromic behavior across the entire visible spectrum. <i>Carbon</i> , 2020, 156, 110-118.	10.3	64
13	Enhanced fluorescent intensity of graphene oxide-methyl cellulose hybrid in acidic medium: Sensing of nitro-aromatics. <i>Journal of Materials Chemistry</i> , 2012, 22, 8139.	6.7	62
14	Facile approach to synthesize highly fluorescent multicolor emissive carbon dots via surface functionalization for cellular imaging. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 505-514.	9.4	62
15	High-Performance Nanocomposites of Sodium Carboxymethylcellulose and Graphene Oxide. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 1166-1175.	3.6	53
16	3D yolk-shell NiGa ₂ S ₄ microspheres confined with nanosheets for high performance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6292-6298.	10.3	52
17	Fluorescence Resonance Energy Transfer from Sulfonated Graphene to Riboflavin: A Simple Way to Detect Vitamin B ₂ . <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7392-7399.	8.0	48
18	Nucleic acid based polymer and nanoparticle conjugates: Synthesis, properties and applications. <i>Progress in Materials Science</i> , 2017, 88, 136-185.	32.8	24

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19	Carbon Dot Assisted Synthesis of Nanostructured Polyaniline for Dye Sensitized Solar Cells. Energy & Fuels, 2017, 31, 7364-7371.	5.1	18
20	Construction of FeCo ₂ O ₄ @N-Doped Carbon Dots Nanoflowers as Binder Free Electrode for Reduction and Oxidation of Water. Materials, 2020, 13, 3119.	2.9	18
21	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
22	Carbon Dots Integrated NiCo ₂ O ₄ 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
23	Nondestructive Characterization of Li ⁺ Ion-Doped Multifunctional Poly(vinylidene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Chemistry B, 2013, 117, 1458-1466.	2.6	4
24	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
25	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
26	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