Susanta Kumar Bhunia

List of Publications by Year
in descending order

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29 papers	2,040 citations	361045 20 h-index	476904 29 g-index
32 all docs	32 docs citations	32 times ranked	3451 citing authors

#	Article	IF	Citations
1	Carbon Nanoparticle-based Fluorescent Bioimaging Probes. Scientific Reports, 2013, 3, 1473.	1.6	642
2	Reduced Graphene Oxide-Silver Nanoparticle Composite as Visible Light Photocatalyst for Degradation of Colorless Endocrine Disruptors. ACS Applied Materials & Interfaces, 2014, 6, 20085-20092.	4.0	196
3	Colorimetric Polydiacetyleneâ€“Aerogel Detector for Volatile Organic Compounds (VOCs). ACS Applied Materials & Interfaces, 2017, 9, 2891-2898.	4.0	139
4	Imaging Cancer Cells Expressing the Folate Receptor with Carbon Dots Produced from Folic Acid. ChemBioChem, 2016, 17, 614-619.	1.3	114
5	Chiral modulation of amyloid beta fibrillation and cytotoxicity by enantiomeric carbon dots. Chemical Communications, 2018, 54, 7762-7765.	2.2	95
6	Red Fluorescent Carbon Nanoparticle-Based Cell Imaging Probe. ACS Applied Materials & Interfaces, 2016, 8, 9305-9313.	4.0	93
7	Vitamin B₁ Derived Blue and Green Fluorescent Carbon Nanoparticles for Cell-Imaging Application. ACS Applied Materials & Interfaces, 2014, 6, 7672-7679.	4.0	88
8	Tuneable light-emitting carbon-dot/polymer flexible films prepared through one-pot synthesis. Nanoscale, 2016, 8, 3400-3406.	2.8	79
9	Carbon-dot-aerogel sensor for aromatic volatile organic compounds. Sensors and Actuators B: Chemical, 2017, 241, 607-613.	4.0	71
10	Carbon-Dot/Silver-Nanoparticle Flexible SERS-Active Films. ACS Applied Materials & Interfaces, 2016, 8, 25637-25643.	4.0	68
11	Peptide-Functionalized Colloidal Graphene via Interdigited Bilayer Coating and Fluorescence Turn-on Detection of Enzyme. ACS Applied Materials & Interfaces, 2011, 3, 3335-3341.	4.0	63
12	Yellow Fluorescent Carbon Dots for Selective Recognition of As³⁺ and Fe³⁺ Ions. ACS Applied Nano Materials, 2021, 4, 10931-10942.	2.4	40
13	â€œOn/off/onâ€•hydrogen-peroxide sensor with hemoglobin-functionalized carbon dots. Sensors and Actuators B: Chemical, 2018, 270, 223-230.	4.0	34
14	Sustainable 2D Bi2WO6/g-C3N5 heterostructure as visible light-triggered abatement of colorless endocrine disruptors in wastewater. Applied Surface Science, 2022, 577, 151809.	3.1	33
15	Lipid-Bilayer Dynamics Probed by a Carbon Dot-Phospholipid Conjugate. Biophysical Journal, 2016, 110, 2016-2025.	0.2	31
16	Thenoyltrifluoroacetone (TTA)â€“Carbon Dot/Aerogel Fluorescent Sensor for Lanthanide and Actinide Ions. ACS Omega, 2017, 2, 9288-9295.	1.6	31
17	Synthesis and characterization of a nanostructured porous silicon/carbon dot-hybrid for orthogonal molecular detection. NPG Asia Materials, 2018, 10, e463-e463.	3.8	29
18	Graphene oxide (GO)/reduced-GO and their composite with conducting polymer nanostructure thin films for non-volatile memory device. Microelectronic Engineering, 2015, 146, 48-52.	1.1	25

#	Article	IF	Citations
19	Triphenylphosphoniumâ€Derived Bright Green Fluorescent Carbon Dots for Mitochondrial Targeting and Rapid Selective Detection of Tetracycline. ChemNanoMat, 2021, 7, 545-552.	1.5	25
20	Lysineâ€Derived Carbon Dots for Chiral Inhibition of Prion Peptide Fibril Assembly. Advanced Therapeutics, 2018, 1, 1800006.	1.6	23
21	Tunable fluorescent carbon dots: synthesis progress, fluorescence origin, selective and sensitive volatile organic compounds detection. Critical Reviews in Solid State and Materials Sciences, 2021, 46, 349-370.	6.8	23
22	Bifunctional Carbonâ€Dotâ€WS₂ Nanorods for Photothermal Therapy and Cell Imaging. Chemistry - A European Journal, 2017, 23, 963-969.	1.7	22
23	Detoxification of Endocrine Disruptors in Water Using Visible-Light-Active Nanostructures: A Review. ACS Applied Nano Materials, 2020, 3, 11659-11687.	2.4	22
24	Electric and Ferro-Electric Behaviour of Polymer-Coated Graphene-Oxide Thin Film. Physics Procedia, 2013, 46, 62-70.	1.2	12
25	Porous Silicon Bragg Reflector/Carbon Dot Hybrids: Synthesis, Nanostructure, and Optical Properties. Frontiers in Chemistry, 2018, 6, 574.	1.8	12
26	Citrate capped silver nanoparticles as an instantaneous colorimetric selective sensor for neomycin and thiamine in wastewater. New Journal of Chemistry, 2022, 46, 14081-14090.	1.4	12
27	Carbon Dotsâ€“Plasmonics Coupling Enables Energy Transfer and Provides Unique Chemical Signatures. Journal of Physical Chemistry Letters, 2017, 8, 6080-6085.	2.1	11
28	Solventâ€Assisted Synthesis of Supramolecularâ€Assembled Graphitic Carbon Nitride for Visible Light Induced Hydrogen Evolution â€“ A Review. ChemCatChem, 2022, 14, .	1.8	5
29	Degradation of emergent pollutants using visible light-triggered photocatalysts. , 2022, , 433-465.		1