

Susanta Kumar Bhunia

List of Publications by Year in descending order

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papers

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citations

361045

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docs citations

32
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3451
citing authors

#	ARTICLE	IF	CITATIONS
1	Solvent-Assisted Synthesis of Supramolecular-Assembled Graphitic Carbon Nitride for Visible Light Induced Hydrogen Evolution – A Review. ChemCatChem, 2022, 14, .	1.8	5
2	Sustainable 2D Bi ₂ WO ₆ /g-C ₃ N ₅ heterostructure as visible light-triggered abatement of colorless endocrine disruptors in wastewater. Applied Surface Science, 2022, 577, 151809.	3.1	33
3	Degradation of emergent pollutants using visible light-triggered photocatalysts. , 2022, , 433-465.		1
4	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
5	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
6	Triphenylphosphonium-Derived Bright Green Fluorescent Carbon Dots for Mitochondrial Targeting and Rapid Selective Detection of Tetracycline. ChemNanoMat, 2021, 7, 545-552.	1.5	25
7	Yellow Fluorescent Carbon Dots for Selective Recognition of As ³⁺ and Fe ³⁺ Ions. ACS Applied Nano Materials, 2021, 4, 10931-10942.	2.4	40
8	Detoxification of Endocrine Disruptors in Water Using Visible-Light-Active Nanostructures: A Review. ACS Applied Nano Materials, 2020, 3, 11659-11687.	2.4	22
9	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
10	Porous Silicon Bragg Reflector/Carbon Dot Hybrids: Synthesis, Nanostructure, and Optical Properties. Frontiers in Chemistry, 2018, 6, 574.	1.8	12
11	Lysine-Derived Carbon Dots for Chiral Inhibition of Prion Peptide Fibril Assembly. Advanced Therapeutics, 2018, 1, 1800006.	1.6	23
12	Chiral modulation of amyloid beta fibrillation and cytotoxicity by enantiomeric carbon dots. Chemical Communications, 2018, 54, 7762-7765.	2.2	95
13	On/off/on-hydrogen-peroxide sensor with hemoglobin-functionalized carbon dots. Sensors and Actuators B: Chemical, 2018, 270, 223-230.	4.0	34
14	Colorimetric Polydiacetylene-Aerogel Detector for Volatile Organic Compounds (VOCs). ACS Applied Materials & Interfaces, 2017, 9, 2891-2898.	4.0	139
15	Carbon Dots-Plasmonics Coupling Enables Energy Transfer and Provides Unique Chemical Signatures. Journal of Physical Chemistry Letters, 2017, 8, 6080-6085.	2.1	11
16	Carbon-dot-aerogel sensor for aromatic volatile organic compounds. Sensors and Actuators B: Chemical, 2017, 241, 607-613.	4.0	71
17	Bifunctional Carbon-Dot-WS ₂ Nanorods for Photothermal Therapy and Cell Imaging. Chemistry - A European Journal, 2017, 23, 963-969.	1.7	22
18	Thenoyltrifluoroacetone (TTA)-Carbon Dot/Aerogel Fluorescent Sensor (TTA) for Lanthanide and Actinide Ions. ACS Omega, 2017, 2, 9288-9295.	1.6	31

#	ARTICLE	IF	CITATIONS
19	Imaging Cancer Cells Expressing the Folate Receptor with Carbon Dots Produced from Folic Acid. ChemBioChem, 2016, 17, 614-619.	1.3	114
20	Lipid-Bilayer Dynamics Probed by a Carbon Dot-Phospholipid Conjugate. Biophysical Journal, 2016, 110, 2016-2025.	0.2	31
21	Carbon-Dot/Silver-Nanoparticle Flexible SERS-Active Films. ACS Applied Materials & Interfaces, 2016, 8, 25637-25643.	4.0	68
22	Red Fluorescent Carbon Nanoparticle-Based Cell Imaging Probe. ACS Applied Materials & Interfaces, 2016, 8, 9305-9313.	4.0	93
23	Tuneable light-emitting carbon-dot/polymer flexible films prepared through one-pot synthesis. Nanoscale, 2016, 8, 3400-3406.	2.8	79
24	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
25	Vitamin B ₁ Derived Blue and Green Fluorescent Carbon Nanoparticles for Cell-Imaging Application. ACS Applied Materials & Interfaces, 2014, 6, 7672-7679.	4.0	88
26	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
27	Carbon Nanoparticle-based Fluorescent Bioimaging Probes. Scientific Reports, 2013, 3, 1473.	1.6	642
28	Electric and Ferro-Electric Behaviour of Polymer-Coated Graphene-Oxide Thin Film. Physics Procedia, 2013, 46, 62-70.	1.2	12
29	Peptide-Functionalized Colloidal Graphene via Interdigitated Bilayer Coating and Fluorescence Turn-on Detection of Enzyme. ACS Applied Materials & Interfaces, 2011, 3, 3335-3341.	4.0	63