Sasmita Mohapatra Mohapatra

List of Publications by Year
in descending order

37 papers	3,477 citations	185998 28 h-index	329751 37 g-index
39 all docs	39 docs citations	39 times ranked	5547 citing authors

#	Article	IF	Citations
1	Simple one-step synthesis of highly luminescent carbon dots from orange juice: application as excellent bio-imaging agents. Chemical Communications, 2012, 48, 8835.	2.2	1,477
2	Decolourization of Methyl Orange using Fenton-like mesoporous Fe2O3â€“SiO2 composite. Journal of Hazardous Materials, 2011, 185, 359-365.	6.5	238
3	Synthesis of a carbon-dot-based photoluminescent probe for selective and ultrasensitive detection of Hg²⁺ in water and living cells. Analyst, The, 2015, 140, 1221-1228.	1.7	151
4	Copper ferrite nanoparticle-mediated N-arylation of heterocycles: a ligand-free reaction. Tetrahedron Letters, 2011, 52, 1924-1927.	0.7	124
5	Monodisperse mesoporous cobalt ferrite nanoparticles: synthesis and application in targeted delivery of antitumor drugs. Journal of Materials Chemistry, 2011, 21, 9185.	6.7	105
6	A simple synthesis of amine-derivatised superparamagnetic iron oxide nanoparticles for bioapplications. Journal of Materials Science, 2007, 42, 7566-7574.	1.7	103
7	Synthesis and stability of functionalized iron oxide nanoparticles using organophosphorus coupling agents. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2009, 339, 35-42.	2.3	88
8	Rapid â€œturn-onâ€•detection of atrazine using highly luminescent N-doped carbon quantum dot. Sensors and Actuators B: Chemical, 2018, 263, 459-468.	4.0	82
9	Design of Fe₃O₄@SiO₂@Carbon Quantum Dot Based Nanostructure for Fluorescence Sensing, Magnetic Separation, and Live Cell Imaging of Fluoride Ion. Langmuir, 2015, 31, 8111-8120.	1.6	80
10	Highly luminescent, heteroatom-doped carbon quantum dots for ultrasensitive sensing of glucosamine and targeted imaging of liver cancer cells. Journal of Materials Chemistry B, 2017, 5, 2190-2197.	2.9	77
11	Highly Hydrophilic Luminescent Magnetic Mesoporous Carbon Nanospheres for Controlled Release of Anticancer Drug and Multimodal Imaging. Langmuir, 2016, 32, 1611-1620.	1.6	66
12	Synthesis and Characterization of Ultrafine Poly(vinylalcohol phosphate) Coated Magnetite Nanoparticles. Journal of Nanoscience and Nanotechnology, 2006, 6, 823-829.	0.9	63
13	Luminescent magnetic hollow mesoporous silica nanotheranostics for camptothecin delivery and multimodal imaging. Journal of Materials Chemistry B, 2014, 2, 3799-3808.	2.9	63
14	One-pot synthesis of uniform and spherically assembled functionalized MFe2O4 (M = Co, Mn, Ni) nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 384, 453-460.	2.3	56
15	Heterogeneous magnetic catalyst for S-arylation reactions. Applied Catalysis A: General, 2012, 433-434, 258-264.	2.2	49
16	Chemical synthesis and characterization of hydroxyapatite (HAp)-poly (ethylene co vinyl alcohol) (EVA) nanocomposite using a phosphonic acid coupling agent for orthopedic applications. Materials Science and Engineering C, 2009, 29, 228-236.	3.8	48
17	Boronic acid functionalized superparamagnetic iron oxide nanoparticle as a novel tool for adsorption of sugar. Materials Science and Engineering C, 2009, 29, 2254-2260.	3.8	44
18	Enhanced Photodegradation of Organic Pollutants by Carbon Quantum Dot (CQD) Deposited Fe₃O₄@mTiO₂ Nano-Pom-Pom Balls. Industrial & Engineering Chemistry Research, 2016, 55, 5902-5910.	1.8	44

#	Article	IF	Citations
19	N-Doped Carbon Quantum Dot (NCQD)-Deposited Carbon Capsules for Synergistic Fluorescence Imaging and Photothermal Therapy of Oral Cancer. Langmuir, 2019, 35, 15320-15329.	1.6	43
20	Magnetic Mesoporous Silica Gated with Doped Carbon Dot for Site-Specific Drug Delivery, Fluorescence, and MR Imaging. Langmuir, 2018, 34, 5253-5262.	1.6	39
21	Design of Superparamagnetic Iron Oxide Nanoparticle for Purification of Recombinant Proteins. Journal of Nanoscience and Nanotechnology, 2007, 7, 3193-3199.	0.9	37
22	Multifunctional mesoporous hollow silica nanocapsules for targeted co-delivery of cisplatin-pemetrexed and MR imaging. Dalton Transactions, 2014, 43, 15841-15850.	1.6	36
23	Ultrasensitive detection of glyphosate through effective photoelectron transfer between CdTe and chitosan derived carbon dot. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 596, 124710.	2.3	36
24	Multifunctional magnetic calcium phosphate nanoparticles for targeted platin delivery. Dalton Transactions, 2012, 41, 10777.	1.6	35
25	Dopamine integrated B, N, S doped CQD nanoprobe for rapid and selective detection of fluoride ion. Analytica Chimica Acta, 2019, 1058, 146-154.	2.6	34
26	Processing and Properties of Nano-Hydroxyapatite(n-HAp)/Poly(Ethylene-Co-Acrylic Acid)(EAA) Composite Using a Phosphonic Acid Coupling Agent for Orthopedic Applications. Journal of the American Ceramic Society, 2007, 90, 369-375.	1.9	33
27	Multifunctional magnetic fluorescent hybrid nanoparticles as carriers for the hydrophobic anticancer drug 5-fluorouracil. Dalton Transactions, 2013, 42, 2224-2231.	1.6	33
28	A fluorescence turn-down-up detection of Cu2+ and pesticide quinalphos using carbon quantum dot integrated UiO-66-NH2. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 624, 126792.	2.3	33
29	Ligand-free Feâ€“Cu Cocatalyzed Cross-coupling of Terminal Alkynes with Aryl Halides. Chemistry Letters, 2011, 40, 956-958.	0.7	31
30	A novel carbon quantum dot-based fluorescent nanosensor for selective detection of flumioxazin in real samples. New Journal of Chemistry, 2018, 42, 2074-2080.	1.4	31
31	Synthesis of hydroxyapatite/poly(vinyl alcohol phosphate) nanocomposite and its characterization. Polymer Composites, 2008, 29, 429-436.	2.3	28
32	Improved photodegradation and antimicrobial activity of hydrothermally synthesized 0.2Ce-TiO2/RGO under visible light. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 620, 126553.	2.3	20
33	Papaya-Derived Carbon-Dot-Loaded Fluorescent Hydrogel for NIR-Stimulated Photochemotherapy and Antibacterial Activity. ACS Applied Polymer Materials, 2022, 4, 369-380.	2.0	19
34	CQD@Î³-Fe2O3 multifunctional nanoprobe for selective fluorescence sensing, detoxification and removal of Hg(II). Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 589, 124445.	2.3	11
35	PEGâ€“PEI-modified gated N-doped mesoporous carbon nanospheres for pH/NIR light-triggered drug release and cancer phototherapy. Journal of Materials Chemistry B, 2021, 9, 3666-3676.	2.9	11
36	Selective and sensitive fluorescence turn-on detection of bilirubin using resorcinol-sucrose derived carbon dot. Analytical Biochemistry, 2022, 654, 114813.	1.1	6

#	Article	IF	Citations
37	DSPE-PEG-Coated Uniform Nitrogen-Doped Carbon Capsules for NIR-Mediated Synergistic Chemophototherapy of Skin Cancer. ACS Applied Bio Materials, 2021, 4, 7059-7069.	2.3	3