Ari Chae

List of Publications by Year
in descending order

31 papers	974 citations	430874 18 h-index	454955 30 g-index
31 all docs	31 docs citations	31 times ranked	1677 citing authors

#	Article	IF	Citations
1	Microwave-assisted synthesis of multifunctional fluorescent carbon quantum dots from A4/B2 polyamidation monomer sets. Applied Surface Science, 2021, 542, 148471.	6.1	19
2	Reduction of Electrochemically Exfoliated Graphene Films for High-Performance Electromagnetic Interference Shielding. ACS Applied Materials & Interfaces, 2021, 13, 15827-15836.	8.0	27
3	Mechanism and Kinetics of Oxidation Reaction of Aqueous Ti₃C₂T_x Suspensions at Different pHs and Temperatures. ACS Applied Materials & Interfaces, 2021, 13, 22855-22865.	8.0	64
4	Polyacrylonitrile-based carbon nanofibers as a matrix for laser desorption/ionization time-of-flight mass spectrometric analysis of small molecules under both positive and negative ionization modes. Analytical and Bioanalytical Chemistry, 2021, 413, 1193-1202.	3.7	4
5	Exfoliated MXene as a mediator for efficient laser desorption/ionization mass spectrometry analysis of various analytes. Talanta, 2020, 209, 120531.	5.5	13
6	Fucoidan-coated coral-like Pt nanoparticles for computed tomography-guided highly enhanced synergistic anticancer effect against drug-resistant breast cancer cells. Nanoscale, 2019, 11, 15173-15183.	5.6	36
7	Formulation of PEDOT:S-Graphene Hybrid and Its Application as Transparent Conducting Electrode Materials. Materials Today: Proceedings, 2019, 10, 448-455.	1.8	0
8	Enhanced photothermal bactericidal activity of chemically reduced graphene oxide stabilized by tripodal amphiphile. Applied Surface Science, 2019, 474, 111-117.	6.1	13
9	Mechanochemical synthesis of fluorescent carbon dots from cellulose powders. Nanotechnology, 2018, 29, 165604.	2.6	16
10	Progress in internal/external stimuli responsive fluorescent carbon nanoparticles for theranostic and sensing applications. Journal of Materials Chemistry B, 2018, 6, 1149-1178.	5.8	78
11	Correction to Simple Microwave-Assisted Synthesis of Amphiphilic Carbon Quantum Dots from A3/B2 Polyamidation Monomer Set. ACS Applied Materials & Interfaces, 2018, 10, 3153-3153.	8.0	3
12	Synthesis of porous Pd nanoparticles by therapeutic chaga extract for highly efficient tri-modal cancer treatment. Nanoscale, 2018, 10, 19810-19817.	5.6	38
13	Microwave-assisted Synthesis of Highly Fluorescent and Biocompatible Silicon Nanoparticles Using Glucose as Dual Roles of Reducing Agents and Hydrophilic Ligands. Chemistry Letters, 2017, 46, 398-400.	1.3	5
14	Exfoliation of black phosphorus in ionic liquids. Nanotechnology, 2017, 28, 125603.	2.6	48
15	Microwave-assisted synthesis of fluorescent carbon quantum dots from an A₂/B₃ monomer set. RSC Advances, 2017, 7, 12663-12669.	3.6	60
16	Visible-light-driven photocatalysis with dopamine-derivatized titanium dioxide/N-doped carbon core/shell nanoparticles. Journal of Materials Science, 2017, 52, 5582-5588.	3.7	7
17	Microwave-assisted synthesis of luminescent and biocompatible lysine-based carbon quantum dots. Journal of Industrial and Engineering Chemistry, 2017, 47, 329-335.	5.8	131
18	Highly Efficient Visible Blue-Emitting Black Phosphorus Quantum Dot: Mussel-Inspired Surface Functionalization for Bioapplications. ACS Omega, 2017, 2, 7096-7105.	3.5	37

#	Article	IF	Citations
19	Microwave-assisted Synthesis of Fluorescent Polymer Dots from Hyperbranched Polyethylenimine and Glycerol. Chemistry Letters, 2017, 46, 1463-1465.	1.3	2
20	Simple Microwave-Assisted Synthesis of Amphiphilic Carbon Quantum Dots from A₃B₂ Polyamidation Monomer Set. ACS Applied Materials & Interfaces, 2017, 9, 27883-27893.	8.0	50
21	Mitochondria-targeted fluorescent carbon nano-platform for NIR-triggered hyperthermia and mitochondrial inhibition. Journal of Industrial and Engineering Chemistry, 2017, 55, 224-233.	5.8	35
22	Pluronic mimicking fluorescent carbon nanoparticles conjugated with doxorubicin via acid-cleavable linkage for tumor-targeted drug delivery and bioimaging. Journal of Industrial and Engineering Chemistry, 2016, 43, 150-157.	5.8	32
23	Photothermal conversion upon near-infrared irradiation of fluorescent carbon nanoparticles formed from carbonized polydopamine. RSC Advances, 2016, 6, 61482-61491.	3.6	34
24	Soluble Chemically Reduced Graphene Oxide Assembly with High-molecular-weight Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.3	3
25	Visualization of Noncovalent Interaction between Aliphatic Dendrimers and Chemically Reduced Graphene Oxide. Chemistry Letters, 2015, 44, 665-667.	1.3	6
26	Production of graphene oxide from pitch-based carbon fiber. Scientific Reports, 2015, 5, 11707.	3.3	18
27	Fluorescent carbon nanoparticles derived from natural materials of mango fruit for bio-imaging probes. Nanoscale, 2014, 6, 15196-15202.	5.6	87
28	Formulation of chemically reduced graphene oxide assembly with poly(4â€vinyl pyridine) through noncovalent interaction. Journal of Applied Polymer Science, 2013, 130, 2538-2543.	2.6	12
29	Chemically Reduced Graphene Oxide with Crosslinked Shell Showing Enhanced Environmental Stability Using Thiol-grafted Pluronic. Chemistry Letters, 2013, 42, 200-201.	1.3	4
30	Thermoâ€Responsive Assembly of Chemically Reduced Graphene and Poly(Nâ€isopropylacrylamide). Macromolecular Chemistry and Physics, 2011, 212, 336-341.	2.2	37
31	Preparation of water soluble graphene using polyethylene glycol: Comparison of covalent approach and noncovalent approach. Journal of Industrial and Engineering Chemistry, 2011, 17, 298-303.	5.8	55