

# Ari Chae

## List of Publications by Year in descending order

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Version: 2024-02-01

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 luminescent and biocompatible lysine-based carbon quantum dots. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 47, 329-335.	5.8	131
2	Fluorescent carbon nanoparticles derived from natural materials of mango fruit for bio-imaging probes. <i>Nanoscale</i> , 2014, 6, 15196-15202.	5.6	87
3	Progress in internal/external stimuli responsive fluorescent carbon nanoparticles for theranostic and sensing applications. <i>Journal of Materials Chemistry B</i> , 2018, 6, 1149-1178.	5.8	78
4	Mechanism and Kinetics of Oxidation Reaction of Aqueous $Ti_3C_2Tx$ Suspensions at Different pHs and Temperatures. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 22855-22865.	8.0	64
5	Microwave-assisted synthesis of fluorescent carbon quantum dots from an $A_2B_3$ monomer set. <i>RSC Advances</i> , 2017, 7, 12663-12669.	3.6	60
6	Preparation of water soluble graphene using polyethylene glycol: Comparison of covalent approach and noncovalent approach. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 298-303.	5.8	55
7	Simple Microwave-Assisted Synthesis of Amphiphilic Carbon Quantum Dots from $A_3B_2$ Polyamidation Monomer Set. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 27883-27893.	8.0	50
8	Exfoliation of black phosphorus in ionic liquids. <i>Nanotechnology</i> , 2017, 28, 125603.	2.6	48
9	Synthesis of porous Pd nanoparticles by therapeutic chaga extract for highly efficient tri-modal cancer treatment. <i>Nanoscale</i> , 2018, 10, 19810-19817.	5.6	38
10	Thermo-responsive Assembly of Chemically Reduced Graphene and Poly( <i>N</i> -isopropylacrylamide). <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 336-341.	2.2	37
11	Highly Efficient Visible Blue-Emitting Black Phosphorus Quantum Dot: Mussel-Inspired Surface Functionalization for Bioapplications. <i>ACS Omega</i> , 2017, 2, 7096-7105.	3.5	37
12	Fucoidan-coated coral-like Pt nanoparticles for computed tomography-guided highly enhanced synergistic anticancer effect against drug-resistant breast cancer cells. <i>Nanoscale</i> , 2019, 11, 15173-15183.	5.6	36
13	Mitochondria-targeted fluorescent carbon nano-platform for NIR-triggered hyperthermia and mitochondrial inhibition. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 55, 224-233.	5.8	35
14	Photothermal conversion upon near-infrared irradiation of fluorescent carbon nanoparticles formed from carbonized polydopamine. <i>RSC Advances</i> , 2016, 6, 61482-61491.	3.6	34
15	Pluronic mimicking fluorescent carbon nanoparticles conjugated with doxorubicin via acid-cleavable linkage for tumor-targeted drug delivery and bioimaging. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 43, 150-157.	5.8	32
16	Reduction of Electrochemically Exfoliated Graphene Films for High-Performance Electromagnetic Interference Shielding. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 15827-15836.	8.0	27
17	Microwave-assisted synthesis of multifunctional fluorescent carbon quantum dots from $A_4/B_2$ polyamidation monomer sets. <i>Applied Surface Science</i> , 2021, 542, 148471.	6.1	19
18	Production of graphene oxide from pitch-based carbon fiber. <i>Scientific Reports</i> , 2015, 5, 11707.	3.3	18

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19	Mechanochemical synthesis of fluorescent carbon dots from cellulose powders. <i>Nanotechnology</i> , 2018, 29, 165604.	2.6	16
20	Enhanced photothermal bactericidal activity of chemically reduced graphene oxide stabilized by tripodal amphiphile. <i>Applied Surface Science</i> , 2019, 474, 111-117.	6.1	13
21	Exfoliated MXene as a mediator for efficient laser desorption/ionization mass spectrometry analysis of various analytes. <i>Talanta</i> , 2020, 209, 120531.	5.5	13
22	Formulation of chemically reduced graphene oxide assembly with poly(4-vinyl pyridine) through noncovalent interaction. <i>Journal of Applied Polymer Science</i> , 2013, 130, 2538-2543.	2.6	12
23	Visible-light-driven photocatalysis with dopamine-derivatized titanium dioxide/N-doped carbon core/shell nanoparticles. <i>Journal of Materials Science</i> , 2017, 52, 5582-5588.	3.7	7
24	Visualization of Noncovalent Interaction between Aliphatic Dendrimers and Chemically Reduced Graphene Oxide. <i>Chemistry Letters</i> , 2015, 44, 665-667.	1.3	6
25	Microwave-assisted Synthesis of Highly Fluorescent and Biocompatible Silicon Nanoparticles Using Glucose as Dual Roles of Reducing Agents and Hydrophilic Ligands. <i>Chemistry Letters</i> , 2017, 46, 398-400.	1.3	5
26	Chemically Reduced Graphene Oxide with Crosslinked Shell Showing Enhanced Environmental Stability Using Thiol-grafted Pluronic. <i>Chemistry Letters</i> , 2013, 42, 200-201.	1.3	4
27	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. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1193-1202.	3.7	4
28	Soluble Chemically Reduced Graphene Oxide Assembly with High-molecular-weight Poly(ethylene Terephthalate) (PET) via Hydrophobic Interaction. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 10100-10107.	1.3	3
29	Correction to Simple Microwave-Assisted Synthesis of Amphiphilic Carbon Quantum Dots from A3/B2 Polyamidation Monomer Set. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 3153-3153.	8.0	3
30	Microwave-assisted Synthesis of Fluorescent Polymer Dots from Hyperbranched Polyethylenimine and Glycerol. <i>Chemistry Letters</i> , 2017, 46, 1463-1465.	1.3	2
31	Formulation of PEDOT:S-Graphene Hybrid and Its Application as Transparent Conducting Electrode Materials. <i>Materials Today: Proceedings</i> , 2019, 10, 448-455.	1.8	0