

Jiang-Jiang Gu

List of Publications by Year in descending order

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41
papers

1,862
citations

236612

25
h-index

264894

42
g-index

42
all docs

42
docs citations

42
times ranked

3021
citing authors

#	ARTICLE	IF	CITATIONS
1	Guiding Uniform Li Plating/Stripping through Lithium-Aluminum Alloying Medium for Long-Life Li Metal Batteries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1094-1099.	7.2	287
2	Carbon dot cluster as an efficient fluorescent probe to detect Au(III) and glutathione. <i>Biosensors and Bioelectronics</i> , 2015, 68, 27-33.	5.3	129
3	Co Nanoparticles/Co, N, S Tri-doped Graphene Templated from In-Situ-Formed Co, S Co-doped g-C ₃ N ₄ as an Active Bifunctional Electrocatalyst for Overall Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 28566-28576.	4.0	121
4	Benzoxazine monomer derived carbon dots as a broad-spectrum agent to block viral infectivity. <i>Journal of Colloid and Interface Science</i> , 2019, 542, 198-206.	5.0	104
5	Facile Synthesis of Carbon-Coated Spinel Li ₄ Ti ₅ O ₁₂ /Rutile-TiO ₂ Composites as an Improved Anode Material in Full Lithium-Ion Batteries with LiFePO ₄ @N-Doped Carbon Cathode. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6138-6143.	4.0	86
6	Improved Electrochemical Performance of LiFePO ₄ @N-Doped Carbon Nanocomposites Using Polybenzoxazine as Nitrogen and Carbon Sources. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 26908-26915.	4.0	71
7	Cerium oxide nanoparticles improve cotton salt tolerance by enabling better ability to maintain cytosolic K ⁺ /Na ⁺ ratio. <i>Journal of Nanobiotechnology</i> , 2021, 19, 153.	4.2	71
8	Recent advances in room temperature phosphorescent carbon dots: preparation, mechanism, and applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4425-4443.	2.7	61
9	Nitrogen-Doped Carbon Quantum Dots for Preventing Biofilm Formation and Eradicating Drug-Resistant Bacteria Infection. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 4739-4749.	2.6	58
10	Bioselective Synthesis of a Porous Carbon Collector for High-Performance Sodium-Metal Anodes. <i>Journal of the American Chemical Society</i> , 2021, 143, 3280-3283.	6.6	55
11	Nitrogen-Doped Carbon Dots as A New Substrate for Sensitive Glucose Determination. <i>Sensors</i> , 2016, 16, 630.	2.1	52
12	Guiding Uniform Li Plating/Stripping through Lithium-Aluminum Alloying Medium for Long-Life Li Metal Batteries. <i>Angewandte Chemie</i> , 2019, 131, 1106-1111.	1.6	52
13	Depolymerization of Lignin to Aromatics by Selectively Oxidizing Cleavage of C-C and C-O Bonds Using CuCl ₂ /Polybenzoxazine Catalysts at Room Temperature. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6548-6556.	3.2	49
14	Ultrathin two-dimension metal-organic framework nanosheets/multi-walled carbon nanotube composite films for the electrochemical detection of H ₂ O ₂ . <i>Journal of Electroanalytical Chemistry</i> , 2019, 835, 178-185.	1.9	48
15	pH controlled green luminescent carbon dots derived from benzoxazine monomers for the fluorescence turn-on and turn-off detection. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 516-525.	5.0	47
16	Development of chitosan-coated gold nanoflowers as SERS-active probes. <i>Nanotechnology</i> , 2010, 21, 375101.	1.3	46
17	Synthesis of fluorescent carbon nanoparticles from polyacrylamide for fast cellular endocytosis. <i>RSC Advances</i> , 2013, 3, 15589.	1.7	42
18	Edible fungus slag derived nitrogen-doped hierarchical porous carbon as a high-performance adsorbent for rapid removal of organic pollutants from water. <i>Bioresource Technology</i> , 2019, 294, 122149.	4.8	40

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19	Greatly enhanced thermo-oxidative stability of polybenzoxazine thermoset by incorporation of carborane. <i>Journal of Polymer Science Part A</i> , 2015, 53, 973-980.	2.5	34
20	One-pot synthesis and control of aqueous soluble and organic soluble carbon dots from a designable waterborne polyurethane emulsion. <i>Nanoscale</i> , 2016, 8, 3973-3981.	2.8	34
21	A novel high efficiency composite catalyst: single crystal triangular Au nanoplates supported by functional reduced graphene oxide. <i>Chemical Communications</i> , 2014, 50, 8889.	2.2	32
22	Fabrication of Bis-Quaternary Ammonium Salt as an Efficient Bactericidal Weapon Against <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> . <i>ACS Omega</i> , 2018, 3, 14517-14525.	1.6	29
23	Nitrogen-Doped Carbon Nanoparticles Derived from Silkworm Excrement as "Off-On" Fluorescent Sensors to Detect Fe(III) and Biothiols. <i>Nanomaterials</i> , 2018, 8, 443.	1.9	29
24	Carbon-Based Nanomaterials for Sustainable Agriculture: Their Application as Light Converters, Nanosensors, and Delivery Tools. <i>Plants</i> , 2022, 11, 511.	1.6	28
25	A novel thermal-resistant copolymer from polysiloxane-based polybenzoxazine precursor and ferrocene-based benzoxazine monomer. <i>Polymer</i> , 2013, 54, 4909-4922.	1.8	27
26	Green synthesis of amphiphilic carbon dots from organic solvents: application in fluorescent polymer composites and bio-imaging. <i>RSC Advances</i> , 2018, 8, 12556-12561.	1.7	26
27	Palladium salt and functional reduced graphene oxide complex: in situ preparation of a generally applicable catalyst for C-C coupling reactions. <i>RSC Advances</i> , 2015, 5, 53935-53939.	1.7	25
28	Self-assembly and epitaxial growth of multifunctional micro-nano-spheres for effective separation of water-in-oil emulsions with ultra-high flux. <i>Chemical Engineering Journal</i> , 2018, 352, 530-538.	6.6	24
29	In site preparation of Pd(II)-MoS ₂ complex: A new high-efficiency catalyst for alkenylation of heteroaromatics by direct CH bond activation. <i>Applied Catalysis A: General</i> , 2015, 508, 80-85.	2.2	22
30	Signal enhancement of sensing nitroaromatics based on highly sensitive polymer dots. <i>Nanoscale</i> , 2015, 7, 15413-15420.	2.8	18
31	Porous Nitrogen-Doped Carbon Derived from Peanut Shell as Anode Material for Lithium Ion Battery. <i>International Journal of Electrochemical Science</i> , 2017, 12, 9844-9854.	0.5	18
32	New bead type and high symmetrical diallyl-POSS based emissive conjugated polyfluorene. <i>Polymer</i> , 2014, 55, 6696-6707.	1.8	16
33	Basophilic green fluorescent carbon nanoparticles derived from benzoxazine for the detection of Cr(VI) in a strongly alkaline environment. <i>RSC Advances</i> , 2018, 8, 7377-7382.	1.7	16
34	Quaternized Cationic Carbon Dots as Antigen Delivery Systems for Improving Humoral and Cellular Immune Responses. <i>ACS Applied Nano Materials</i> , 2020, 3, 9449-9461.	2.4	15
35	Co ₃ O ₄ -cored carbon dots for chemiluminescence analysis of intracellular hydrogen peroxide. <i>RSC Advances</i> , 2016, 6, 39480-39483.	1.7	13
36	Bioinspired synthesis of protein-posnjakite organic-inorganic nanobiohybrid for biosensing applications. <i>Analytica Chimica Acta</i> , 2021, 1143, 31-36.	2.6	10

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37	A historical overview of analysis systems for <i>Bacillus thuringiensis</i> (Bt) Cry proteins. <i>Microchemical Journal</i> , 2021, 165, 106137.	2.3	9
38	Application of the correct design of successive self-nucleation and annealing (SSA) to study the stereo-defects and its distribution of homo- and co-polypropylene. <i>RSC Advances</i> , 2017, 7, 24870-24877.	1.7	7
39	Hydrothermal synthesis of a highly photoluminescent molecule from citric acid and cysteamine for the efficient detection of Au ³⁺ in aqueous solution. <i>Optical Materials</i> , 2019, 96, 109359.	1.7	6
40	Robust Superhydrophobic Surface with Controlled Adhesion: In Situ Growth Depending on Its Bulk Phase Composition and Environment. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800444.	1.9	2
41	Li ₄ Ti ₅ O ₁₂ @N-Doped Carbon Composites as Anode Materials for Lithium Ion Batteries. <i>International Journal of Electrochemical Science</i> , 2018, 13, 5164-5171.	0.5	1