

Peng Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,342
citations

304743

22
h-index

214800

47
g-index

61
all docs

61
docs citations

61
times ranked

2849
citing authors

#	ARTICLE	IF	CITATIONS
1	Water-soluble Ag ₂ S quantum dots for near-infrared fluorescence imaging in vivo. <i>Biomaterials</i> , 2012, 33, 5130-5135.	11.4	288
2	Quantifying and understanding the triboelectric series of inorganic non-metallic materials. <i>Nature Communications</i> , 2020, 11, 2093.	12.8	287
3	Recent Advances in Nanomaterial-Based Nanoplatfoms for Chemodynamic Cancer Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2100243.	14.9	206
4	Ag ₂ Se Quantum Dots with Tunable Emission in the Second Near-Infrared Window. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 1186-1189.	8.0	188
5	Emission-Tunable Near-Infrared Ag ₂ S Quantum Dots. <i>Chemistry of Materials</i> , 2012, 24, 3-5.	6.7	183
6	Signal Output of Triboelectric Nanogenerator at Oil-Water-Solid Multiphase Interfaces and its Application for Dual-Signal Chemical Sensing. <i>Advanced Materials</i> , 2019, 31, e1902793.	21.0	120
7	Self-Powered Iontophoretic Transdermal Drug Delivery System Driven and Regulated by Biomechanical Motions. <i>Advanced Functional Materials</i> , 2020, 30, 1907378.	14.9	105
8	Biocompatible CdSe quantum dot-based photosensitizer under two-photon excitation for photodynamic therapy. <i>Journal of Materials Chemistry</i> , 2011, 21, 2455.	6.7	87
9	Nitrogen and sulfur co-doped carbon dots with bright fluorescence for intracellular detection of iron ion and thiol. <i>Journal of Colloid and Interface Science</i> , 2022, 611, 255-264.	9.4	60
10	Luminescent carbon dots with concentration-dependent emission in solution and yellow emission in solid state. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 77-85.	9.4	57
11	A flexible and wide pressure range triboelectric sensor array for real-time pressure detection and distribution mapping. <i>Journal of Materials Chemistry A</i> , 2020, 8, 23827-23833.	10.3	53
12	Energy-Level-Related Response of Cathodic Electrogenerated-Chemiluminescence of Self-Assembled CdSe/ZnS Quantum Dot Films. <i>Journal of Physical Chemistry C</i> , 2011, 115, 18822-18828.	3.1	45
13	Biocompatible Ag ₂ S quantum dots for highly sensitive detection of copper ions. <i>Analyst</i> , 2019, 144, 2604-2610.	3.5	38
14	Highly Efficient GSH-Responsive "Off-On" NIR-II Fluorescent Fenton Nanocatalyst for Multimodal Imaging-Guided Photothermal/Chemodynamic Synergistic Cancer Therapy. <i>Analytical Chemistry</i> , 2022, 94, 10470-10478.	6.5	34
15	Thiol-based non-injection synthesis of near-infrared Ag ₂ S/ZnS core/shell quantum dots. <i>RSC Advances</i> , 2015, 5, 56789-56793.	3.6	28
16	Droplet-based microreactor for synthesis of water-soluble Ag ₂ S quantum dots. <i>Nanotechnology</i> , 2015, 26, 275701.	2.6	28
17	Multifunction in One Molecule: Mitochondrial Imaging and Photothermal & Photodynamic Cytotoxicity of Fast-Response Near-Infrared Fluorescent Probes with Aggregation-Induced Emission Characteristics. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 7945-7954.	8.0	27
18	Core/Shell Structured Noble Metal (Alloy)/Cadmium Selenide Nanocrystals. <i>Chemistry of Materials</i> , 2009, 21, 3039-3041.	6.7	25

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19	Effects of kaolin on the thermal stability and flame retardancy of polypropylene composite. <i>Polymers for Advanced Technologies</i> , 2014, 25, 912-919.	3.2	24
20	Bifunctional carbon dots for cell imaging and inhibition of human insulin fibrillation in the whole aggregation process. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 453-462.	7.5	24
21	Transcription factor StABI5-like 1 binding to the FLOWERING LOCUS T homologs promotes early maturity in potato. <i>Plant Physiology</i> , 2022, 189, 1677-1693.	4.8	24
22	Direct fluorescence in situ hybridization (FISH) in <i>Escherichia coli</i> with a target-specific quantum dot-based molecular beacon. <i>Biosensors and Bioelectronics</i> , 2010, 26, 491-496.	10.1	23
23	Flammability and thermal behavior of polypropylene composites containing dihydrogen phosphate anion-intercalated layered double hydroxides. <i>Polymer Composites</i> , 2015, 36, 2230-2237.	4.6	23
24	Concentration-tuned multicolor carbon dots: microwave-assisted synthesis, characterization, mechanism and applications. <i>New Journal of Chemistry</i> , 2019, 43, 8950-8957.	2.8	23
25	Near-infrared Zn-doped Cu ₂ S quantum dots: an ultrasmall theranostic agent for tumor cell imaging and chemodynamic therapy. <i>Nanoscale</i> , 2021, 13, 3673-3685.	5.6	23
26	Syntheses and Characterization of Four Phosphaphenanthrene and Phosphazene-based Flame Retardants. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2014, 189, 1811-1822.	1.6	22
27	The Effect of Macromolecules on Foam Stability in Sodium Dodecyl Sulfate/Cetylpyridinium Bromide Mixtures. <i>Journal of Dispersion Science and Technology</i> , 2003, 24, 779-787.	2.4	21
28	Bridge between Temperature and Light: Bottom-Up Synthetic Route to Structure-Defined Graphene Quantum Dots as a Temperature Probe In Vitro and in Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 22002-22011.	8.0	19
29	Chiral Cu ₂ Se Nanoparticles for Enhanced Synergistic Cancer Chemodynamic/Photothermal Therapy in the Second Near-Infrared Biowindow. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 60933-60944.	8.0	19
30	High-Oxygen-Content Carbon Dots as a High-Efficiency Inhibitor of Human Insulin Aggregation. <i>ACS Applied Bio Materials</i> , 2019, 2, 4067-4076.	4.6	18
31	Cu-Doped black phosphorus quantum dots as multifunctional Fenton nanocatalyst for boosting synergistically enhanced H ₂ O ₂ -guided and photothermal chemodynamic cancer therapy. <i>Nanoscale</i> , 2022, 14, 3788-3800.	5.6	17
32	A room-temperature method for coating a ZnS shell on semiconductor quantum dots. <i>Journal of Materials Chemistry C</i> , 2015, 3, 964-967.	5.5	16
33	A highly reactive chalcogenide precursor for the synthesis of metal chalcogenide quantum dots. <i>Nanoscale</i> , 2015, 7, 19310-19316.	5.6	16
34	Cu-Deficient CuInSe Quantum Dots for Turn-On-Detection of Adenosine Triphosphate in Living Cells. <i>ACS Applied Nano Materials</i> , 2021, 4, 6057-6066.	5.0	16
35	Preparation and characterization of flame retardant and low smoke releasing oil-resistant EVA/NBR blends. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2015, 33, 554-563.	3.8	14
36	Age-related gene expression and DNA methylation changes in rhesus macaque. <i>Genomics</i> , 2020, 112, 5147-5156.	2.9	13

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37	pH-Sensitive Bioprobe for Multichannel Mitochondrial Imaging and Photodynamic Therapy. <i>Analytical Chemistry</i> , 2022, 94, 4126-4133.	6.5	13
38	Ligand effect on the synthesis of emission-tunable near-infrared Ag ₂ S quantum dots. <i>New Journal of Chemistry</i> , 2017, 41, 5707-5712.	2.8	11
39	Lignans and Terpenoids from the Leaves of <i>Schisandra chinensis</i> . <i>Chemistry and Biodiversity</i> , 2020, 17, e2000035.	2.1	11
40	Zn-doped Cu ₂ S quantum dots as new high-efficiency inhibitors against human insulin fibrillation based on specific electrostatic interaction with oligomers. <i>International Journal of Biological Macromolecules</i> , 2021, 179, 161-169.	7.5	10
41	Demonstration of the IgG antibody repertoire against the bacteria <i>Escherichia coli</i> in Chinese intravenous immunoglobulins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 133, 8-14.	2.8	8
42	Dehydrogenation of propane over sugar foams templated Ga ₂ O ₃ nanoparticles catalysts. <i>Catalysis Letters</i> , 2021, 151, 1894-1901.	2.6	8
43	Diffusion Behaviors of Water-Soluble CdSe/ZnS Core/Shell Quantum Dots Investigated by Single-Particle Tracking. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18904-18910.	3.1	7
44	Graphene Quantum Dots Induce Autophagy and Reveal Protection Against Hydrogen Peroxide-Induced Oxidative Stress Injury. <i>ACS Applied Bio Materials</i> , 2019, 2, 5760-5768.	4.6	7
45	Insights into Mechanism of Aβ ₄₂ Fibril Growth on Surface of Graphene Oxides: Oxidative Degree Matters. <i>Advanced Healthcare Materials</i> , 2021, 10, e2100436.	7.6	6
46	Concentrations of antibodies against Aβ _{40/42} monomer and oligomers in Chinese intravenous immunoglobulins. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 138, 277-282.	2.8	5
47	In vitro evaluation of the biological activities of IgG in seven Chinese intravenous immunoglobulin preparations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 151, 317-323.	2.8	5
48	Molecular dynamics simulation of the electrical conductive network formation of polymer nanocomposites by utilizing diblock copolymer-mediated nanoparticles. <i>Soft Matter</i> , 2019, 15, 6331-6339.	2.7	5
49	Thermodynamics of the Interaction Between Graphene Quantum Dots with Human Serum Albumin and IgG. <i>Journal of Solution Chemistry</i> , 2020, 49, 100-116.	1.2	5
50	Tuning long-term mitochondrial imaging and photodynamic therapy capabilities through rational design of aggregation-induced emission luminogens. <i>Sensors and Actuators B: Chemical</i> , 2022, 368, 132213.	7.8	5
51	Mitochondrial Targeting Long-Term Near-Infrared Imaging and Photodynamic Therapy Aggregation-Induced Emission Luminogens Manipulated by Thiophene. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 3462-3469.	4.6	4
52	Multifunctional Probes with High Utilization Rates: Self-Assembled Merocyanine Nanoparticles in Water as Acid-Base Indicators and Mitochondrion-Targeting Chemotherapeutic Agents. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 1090-1098.	4.6	3
53	Triterpenoid Saponins From the Fruit of <i>Acanthopanax senticosus</i> (Rupr. & Maxim.) Harms. <i>Frontiers in Chemistry</i> , 2022, 10, 825763.	3.6	3
54	Anti-proliferative Properties of Schinensilactone A, A Schinortriterpenoid with 7,8-secocyclo Scaffold against Caco-2 by Inducing Cell Apoptosis from the Leaves of <i>Schisandra chinensis</i> . <i>Chinese Journal of Chemistry</i> , 2022, 40, 1331-1336.	4.9	3

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55	Fluorescent protein nanoparticles: Synthesis and recognition of cellular oxidation damage. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 177, 219-227.	5.0	2
56	Analysis of sialic acid levels in Chinese intravenous immunoglobulins by high-performance liquid chromatography with fluorescence detection. <i>Biomedical Chromatography</i> , 2019, 33, e4452.	1.7	2
57	Ecdysteroids from the Aerial Parts of <i>Paris verticillata</i> . <i>Chemistry and Biodiversity</i> , 2021, 18, e2100239.	2.1	2
58	Zinc(II)-Cyclen Multifunctional Complex Module-Mediated Polycation-Based High-Performance pDNA Vectors. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 5678-5689.	5.2	2
59	Xanthosaponins A and B, two unusual steroidal saponins with an unprecedented 16,17-seco-cholestane skeleton from <i>Solanum xanthocarpum</i> and their cytotoxic activities. <i>New Journal of Chemistry</i> , 0, , .	2.8	1
60	Reversible Zn ²⁺ -induced 3D self-assembly aerogel of carboxyl modified copper indium diselenide quantum dots: mechanism and application for inkjet printing anti-counterfeiting. <i>Soft Matter</i> , 2022, , .	2.7	0