

Jun Yao

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,474
citations

567281

15
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

2765
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemistry, Biology, and Medicine of Fluorescent Nanomaterials and Related Systems: New Insights into Biosensing, Bioimaging, Genomics, Diagnostics, and Therapy. <i>Chemical Reviews</i> , 2014, 114, 6130-6178.	47.7	693
2	Chemistry, physics and biology of graphene-based nanomaterials: new horizons for sensing, imaging and medicine. <i>Journal of Materials Chemistry</i> , 2012, 22, 14313.	6.7	116
3	Biochemistry and biomedicine of quantum dots: from biodetection to bioimaging, drug discovery, diagnostics, and therapy. <i>Acta Biomaterialia</i> , 2018, 74, 36-55.	8.3	84
4	Quantum dots: from fluorescence to chemiluminescence, bioluminescence, electrochemiluminescence, and electrochemistry. <i>Nanoscale</i> , 2017, 9, 13364-13383.	5.6	79
5	Shuttle-like CeO ₂ /g-C ₃ N ₄ composite combined with persulfate for the enhanced photocatalytic degradation of norfloxacin under visible light. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110062.	6.0	74
6	Recent advances in graphene-based nanomaterials: properties, toxicity and applications in chemistry, biology and medicine. <i>Mikrochimica Acta</i> , 2019, 186, 395.	5.0	65
7	Experimental and theoretical studies of a novel electrochemical sensor based on molecularly imprinted polymer and B, N, F-CQDs/AgNPs for enhanced specific identification and dual signal amplification in highly selective and ultra-trace bisphenol S determination in plastic products. <i>Analytica Chimica Acta</i> , 2019, 1066, 36-48.	5.4	60
8	Upconversion luminescence nanomaterials: A versatile platform for imaging, sensing, and therapy. <i>Talanta</i> , 2020, 208, 120157.	5.5	58
9	Graphene and its derivatives for cell biotechnology. <i>Analyst</i> , 2013, 138, 72-86.	3.5	48
10	Magnified Fluorescent Aptasensors Based on a Gold Nanoparticle-DNA Hybrid and DNase I for the Cycling Detection of Mercury(II) Ions in Aqueous Solution. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 21201-21207.	3.7	24
11	Bimetallic Eu/Fe-MOFs ratiometric fluorescent nanoenzyme for selective cholesterol detection in biological serum: Synthesis, characterization, mechanism and DFT calculations. <i>Sensors and Actuators B: Chemical</i> , 2022, 354, 130760.	7.8	21
12	An Electrochemical Sensor for Sensitive Determination of L-cysteine and Its Electrochemical Kinetics on AgNPs/GQDs/GCE Composite Modified Electrode. <i>Journal of the Electrochemical Society</i> , 2018, 165, B551-B558.	2.9	20
13	The electrochemical behaviors and kinetics of AuNPs/N, S-GQDs composite electrode: A novel label-free amplified BPA aptasensor with extreme sensitivity and selectivity. <i>Journal of Molecular Liquids</i> , 2020, 320, 114384.	4.9	20
14	An investigation of preparation, properties, characterization and the mechanism of zinc blende CdTe/CdS core/shell quantum dots for sensitive and selective detection of trace mercury. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9856-9863.	5.5	19
15	An Ultrasensitive and Highly Selective Electrochemical Aptasensor for Environmental Endocrine Disrupter Bisphenol A Determination Using Gold Nanoparticles/Nitrogen, Sulfur, and Phosphorus Co-Doped Carbon Dots as Signal Enhancer and Its Electrochemical Kinetic Research. <i>Journal of the Electrochemical Society</i> , 2019, 166, B1161-B1170.	2.9	18
16	A magnified aptamer fluorescence sensor based on the metal organic frameworks adsorbed DNA with enzyme catalysis amplification for ultra-sensitive determination of ATP and its logic gate operation. <i>Bioorganic Chemistry</i> , 2021, 114, 105020.	4.1	15
17	Dual-emissive bimetallic organic framework hybrids with Eu(III) and Zr(IV) for ratiometric fluorescence sensing of acrylamide in fried and baked foods. <i>Microporous and Mesoporous Materials</i> , 2021, 317, 110831.	4.4	14
18	Active site regulated Z-scheme MIL-101(Fe)/Bi ₂ WO ₆ /Fe(III) with the synergy of hydrogen peroxide and visible-light-driven photo-Fenton degradation of organic contaminants. <i>Nanoscale</i> , 2022, 14, 7055-7074.	5.6	12

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19	Highly fluorescent CdTe nanocrystals: Synthesis, characterization, property, mechanism, and application as a sensor for biomolecule analysis. <i>Journal of Materials Research</i> , 2014, 29, 633-640.	2.6	11
20	Sensitive detection of mercury (II) ion using wave length-tunable visible-emitting gold nanoclusters based on protein-templated synthesis. <i>Journal of Materials Research</i> , 2014, 29, 2416-2424.	2.6	7
21	Cuprous oxide coated silver/graphitic carbon nitride/cadmium sulfide nanocomposite heterostructure: Specific recognition of carcinoembryonic antigen through sandwich-type mechanism. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 858-871.	9.4	7
22	Fluorescent CdS Quantum Dots: Synthesis, Characterization, Mechanism and Interaction with Gold Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 3720-3727.	0.9	6
23	Graphene quantum dots as nanosensor for rapid and label-free dual detection of Cu ²⁺ and tiopronin by means of fluorescence "off" switching: mechanism and molecular logic gate. <i>New Journal of Chemistry</i> , 2021, 45, 20649-20659.	2.8	3