

Yang Shu

List of Publications by Year in descending order

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83
papers

2,348
citations

159525

30
h-index

243529

44
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all docs

83
docs citations

83
times ranked

2992
citing authors

#	ARTICLE	IF	CITATIONS
1	New Insight into Molecular Interactions of Imidazolium Ionic Liquids with Bovine Serum Albumin. <i>Journal of Physical Chemistry B</i> , 2011, 115, 12306-12314.	1.2	221
2	Ionic liquid mediated organophilic carbon dots for drug delivery and bioimaging. <i>Carbon</i> , 2017, 114, 324-333.	5.4	97
3	State-of-the-art advances of copper-based nanostructures in the enhancement of chemodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 250-266.	2.9	92
4	Protein-modified hollow copper sulfide nanoparticles carrying indocyanine green for photothermal and photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2016, 4, 105-112.	2.9	82
5	Protein-Stabilized Gadolinium Oxide-Gold Nanoclusters Hybrid for Multimodal Imaging and Drug Delivery. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6941-6949.	4.0	73
6	Copper-Cysteamine Nanoparticles as a Heterogeneous Fenton-Like Catalyst for Highly Selective Cancer Treatment. <i>ACS Applied Bio Materials</i> , 2020, 3, 1804-1814.	2.3	69
7	Ionic liquidâ€“polyvinyl chloride ionomer for highly selective isolation of basic proteins. <i>Talanta</i> , 2010, 81, 637-642.	2.9	60
8	A facile method for the synthesis of copperâ€“cysteamine nanoparticles and study of ROS production for cancer treatment. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6630-6642.	2.9	57
9	Mutual Benefit between Cu(II) and Polydopamine for Improving Photothermalâ€“Chemodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38127-38137.	4.0	56
10	Thermo/pH dual-stimuli-responsive drug delivery for chemo-/photothermal therapy monitored by cell imaging. <i>Talanta</i> , 2018, 181, 278-285.	2.9	55
11	Glutathione triggered degradation of polydopamine to facilitate controlled drug release for synergic combinational cancer treatment. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6742-6750.	2.9	49
12	A magnetic polypyrrole/iron oxide core/gold shell nanocomposite for multimodal imaging and photothermal cancer therapy. <i>Talanta</i> , 2017, 171, 32-38.	2.9	47
13	Hydrophobic Carbon Nanodots with Rapid Cell Penetrability and Tunable Photoluminescence Behavior for in Vitro and in Vivo Imaging. <i>Langmuir</i> , 2016, 32, 12221-12229.	1.6	45
14	Europiumâ€“Pyridinedicarboxylateâ€“Adenine Light-Up Fluorescence Nanoprobes for Selective Detection of Phosphate in Biological Fluids. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 22593-22600.	4.0	45
15	Ionic liquid-based slab optical waveguide sensor for the detection of ammonia in human breath. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 819-825.	5.0	42
16	Improvement of antibacterial activity of copper nanoclusters for selective inhibition on the growth of gram-positive bacteria. <i>Chinese Chemical Letters</i> , 2019, 30, 421-424.	4.8	42
17	A reverse microemulsion of water/AOT/1-butyl-3-methylimidazolium hexafluorophosphate for selective extraction of hemoglobin. <i>Separation and Purification Technology</i> , 2008, 64, 154-159.	3.9	41
18	Hollow Copper Sulfide Nanosphereâ€“Doxorubicin/Graphene Oxide Coreâ€“Shell Nanocomposite for Photothermo-chemotherapy. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 3230-3235.	2.6	41

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19	Separation of curcuminoids using ionic liquid based aqueous two-phase system coupled with in situ dispersive liquid-liquid microextraction. <i>Talanta</i> , 2016, 149, 6-12.	2.9	40
20	Novel polymeric ionic liquid microspheres with high exchange capacity for fast extraction of plasmid DNA. <i>Analytica Chimica Acta</i> , 2014, 837, 64-69.	2.6	39
21	Core-Shell Corona Magnetic Nanospheres Functionalized with Zwitterionic Polymer Ionic Liquid for Highly Selective Isolation of Glycoprotein. <i>Biomacromolecules</i> , 2018, 19, 53-61.	2.6	38
22	The regulation of hydrophilicity and hydrophobicity of carbon dots via a one-pot approach. <i>Journal of Materials Chemistry B</i> , 2015, 3, 6013-6018.	2.9	36
23	Mesoporous carbon nanoparticles capped with polyacrylic acid as drug carrier for bi-trigger continuous drug release. <i>Journal of Materials Chemistry B</i> , 2016, 4, 5178-5184.	2.9	36
24	Magnetic Nanospheres Encapsulated by Mesoporous Copper Oxide Shell for Selective Isolation of Hemoglobin. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 29734-29741.	4.0	34
25	Intracellular Zinc Quantification by Fluorescence Imaging with a FRET System. <i>Analytical Chemistry</i> , 2019, 91, 4157-4163.	3.2	33
26	Gold Nanoclusters/Iron Oxyhydroxide Platform for Ultrasensitive Detection of Butyrylcholinesterase. <i>Analytical Chemistry</i> , 2019, 91, 15866-15872.	3.2	33
27	β -Cyclodextrin-Decorated Carbon Dots Serve as Nanocarriers for Targeted Drug Delivery and Controlled Release. <i>ChemNanoMat</i> , 2019, 5, 479-487.	1.5	32
28	Fabrication and application of 2,4,6-trinitrophenol sensors based on fluorescent functional materials. <i>Journal of Hazardous Materials</i> , 2022, 425, 127987.	6.5	32
29	Ionic liquid mediated carbon dots: Preparations, properties and applications. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 119, 115638.	5.8	31
30	Folic acid modified copper nanoclusters for fluorescent imaging of cancer cells with over-expressed folate receptor. <i>Mikrochimica Acta</i> , 2018, 185, 205.	2.5	30
31	A dual-ionic liquid microemulsion system for the selective isolation of hemoglobin. <i>RSC Advances</i> , 2014, 4, 8177.	1.7	29
32	Glutathione-mediated mesoporous carbon as a drug delivery nanocarrier with carbon dots as a cap and fluorescent tracer. <i>Nanotechnology</i> , 2016, 27, 355102.	1.3	29
33	Microwave-triggered ionic liquid-based hydrogel dressing with excellent hyperthermia and transdermal drug delivery performance. <i>Chemical Engineering Journal</i> , 2022, 429, 131590.	6.6	28
34	Enantiomeric Separations of Ruthenium (II) Polypyridyl Complexes Using HPLC With Cyclofructan Chiral Stationary Phases. <i>Chirality</i> , 2015, 27, 64-70.	1.3	27
35	Research progress of ionic liquids-based gels in energy storage, sensors and antibacterial. <i>Green Chemical Engineering</i> , 2021, 2, 368-383.	3.3	27
36	Encapsulation of silica nano-spheres with polymerized ionic liquid for selective isolation of acidic proteins. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8799-8806.	1.9	25

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37	Aptamer-anchored di-polymer shell-capped mesoporous carbon as a drug carrier for bi-trigger targeted drug delivery. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6882-6889.	2.9	25
38	Fluorescence Enhancement of Imidazolium Ionic Liquid by Its Confinement on PVC for In Situ Selective Quantification of Hemoglobin. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 12156-12162.	4.0	24
39	Construction of Novel Nanocomposites (Cu-MOF/GOD@HA) for Chemodynamic Therapy. <i>Nanomaterials</i> , 2021, 11, 1843.	1.9	24
40	Poly(ionic liquid)-Gated CuCo ₂ S ₄ for pH-/Thermo-Triggered Drug Release and Photoacoustic Imaging. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9000-9007.	4.0	23
41	Membrane-Activated Fluorescent Probe for High-Fidelity Imaging of Mitochondrial Membrane Potential. <i>ACS Sensors</i> , 2021, 6, 4009-4018.	4.0	23
42	Functionalization of mesoporous organosilica nanocarrier for pH/glutathione dual-responsive drug delivery and imaging of cancer therapy process. <i>Talanta</i> , 2018, 177, 203-211.	2.9	22
43	Ionic liquid poly(3-n-dodecyl-1-vinylimidazolium) bromide as an adsorbent for the sorption of hemoglobin. <i>RSC Advances</i> , 2015, 5, 31496-31501.	1.7	19
44	Kadsura-Shaped Covalent Organic Framework Nanostructures for the Sensitive Detection and Removal of 2,4,6-Trinitrophenol. <i>ACS Applied Nano Materials</i> , 2022, 5, 6422-6429.	2.4	19
45	Simultaneous metabolomics and proteomics analysis of plasma-derived extracellular vesicles. <i>Analytical Methods</i> , 2021, 13, 1930-1938.	1.3	18
46	Î ² -Naphthothiazolium-based ratiometric fluorescent probe with ideal pKa for pH imaging in mitochondria of living cells. <i>Talanta</i> , 2021, 232, 122475.	2.9	17
47	In situ fabrication of organic electrochemical transistors on a microfluidic chip. <i>Nano Research</i> , 2019, 12, 1943-1951.	5.8	16
48	Boronic acid modified polyoxometalate-alginate hybrid for the isolation of glycoproteins at neutral environment. <i>Talanta</i> , 2020, 210, 120620.	2.9	16
49	The anion of choline-based ionic liquids tailored interactions between ionic liquids and bovine serum albumin, MCF-7 cells, and bacteria. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 206, 111971.	2.5	16
50	Separation of therapeutic peptides with cyclofructan and glycopeptide based columns in hydrophilic interaction liquid chromatography. <i>Journal of Chromatography A</i> , 2015, 1390, 50-61.	1.8	15
51	Improving the biocompatibility of carbon nanodots for cell imaging. <i>Talanta</i> , 2016, 161, 54-61.	2.9	15
52	Probing pH variation in living cells and assaying hemoglobin in blood with nitrogen enriched carbon dots. <i>Talanta</i> , 2018, 188, 788-794.	2.9	15
53	A Salt Stimulus-Responsive Nanohydrogel for Controlled Fishing Low-Density Lipoprotein with Superior Adsorption Capacity. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 4583-4592.	4.0	14
54	Ultrasmall Copper Gallic Acid Nanodots for Chemodynamic Therapy. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101173.	1.9	14

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55	Enantiomeric separation of citalopram analogues by HPLC using macrocyclic glycopeptide and cyclodextrin based chiral stationary phases. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2016, 39, 154-160.	0.5	13
56	The structure-activity relationship of hydrophilic carbon dots regulated by the nature of precursor ionic liquids. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 722-730.	5.0	13
57	A turn-on fluorescent probe via substitution-rearrangement for highly sensitive and discriminative detection of cysteine and its imaging in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 266, 120409.	2.0	13
58	Functionalized polyoxometalate microspheres ensure selective adsorption of phosphoproteins and glycoproteins. <i>Chemical Communications</i> , 2021, 57, 3367-3370.	2.2	13
59	Improvement on the extraction efficiency of low density lipoprotein in an ionic liquid microemulsion. <i>Talanta</i> , 2019, 195, 720-727.	2.9	12
60	Ionic liquids enable the preparation of a copper-loaded gel with transdermal delivery function for wound dressings. <i>Biomaterials Science</i> , 2022, 10, 1041-1052.	2.6	12
61	A fluorescence imaging protocol for correlating intracellular free cationic copper to the total uptaken copper by live cells. <i>Talanta</i> , 2020, 220, 121355.	2.9	11
62	Ionic liquid modification of metal-organic framework endows high selectivity for phosphoproteins adsorption. <i>Analytica Chimica Acta</i> , 2021, 1147, 144-154.	2.6	11
63	Simultaneous detection and speciation of mono- and di-valent copper ions with a dual-channel fluorescent nanoprobe. <i>Chemical Communications</i> , 2020, 56, 15337-15340.	2.2	10
64	Sensitivity Dependence on the Crystal Forms of a Fluorescence Quencher for Silicon Quantum Dots and Its Use in Acetylcholinesterase Assay. <i>Analytical Chemistry</i> , 2021, 93, 14900-14906.	3.2	10
65	Detection of yeast <i>Saccharomyces cerevisiae</i> with ionic liquid mediated carbon dots. <i>Talanta</i> , 2018, 178, 818-824.	2.9	9
66	Metal-Organic Frameworks Encapsulating Carbon Dots Enable Fast Speciation of Mono- and Divalent Copper. <i>Analytical Chemistry</i> , 2022, 94, 2255-2262.	3.2	9
67	Complexes of magnetic nanospheres with amphiprotic polymer-Zn systems for the selective isolation of lactoferrin. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5596-5603.	2.9	8
68	Chondroitin sulfate-functionalized 3D hierarchical flower-type mesoporous silica with a superior capacity for selective isolation of low density lipoprotein. <i>Analytica Chimica Acta</i> , 2020, 1104, 78-86.	2.6	8
69	Switch-on fluorescence sensing platform based on porphyrin metal-organic frameworks for rapid and specific detection of zinc ion. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 5161-5168.	1.9	8
70	Mitochondria-targeted ratiometric fluorescent imaging of cysteine. <i>Analyst</i> , 2021, 146, 4642-4648.	1.7	7
71	Aptamer-Based Cell Nucleus Imaging via Expansion Microscopy. <i>Analytical Chemistry</i> , 2022, 94, 6044-6049.	3.2	7
72	Upconversion nanoparticles/carbon dots (UCNPs@CDs) composite for simultaneous detection and speciation of divalent and trivalent iron ions. <i>Analytica Chimica Acta</i> , 2021, 1183, 338973.	2.6	6

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73	Aptamer/AuNPs encoders endow precise identification and discrimination of lipoprotein subclasses. <i>Biosensors and Bioelectronics</i> , 2022, 196, 113743.	5.3	6
74	AC Electrodeposition of PEDOT Films in Protic Ionic Liquids for Long-Term Stable Organic Electrochemical Transistors. <i>Molecules</i> , 2019, 24, 4105.	1.7	5
75	Glutathione functionalized mesoporous organosilica conjugate for drug delivery. <i>RSC Advances</i> , 2016, 6, 56287-56293.	1.7	4
76	Precise regulation of the properties of hydrophobic carbon dots by manipulating the structural features of precursor ionic liquids. <i>Biomaterials Science</i> , 2021, 9, 3127-3135.	2.6	4
77	Effects of alkyl side-chain length on binding with bovine serum albumin, cytotoxicity, and antibacterial properties of 1-alkyl-3-methylimidazolium dicyanamide ionic liquids. <i>Journal of Molecular Liquids</i> , 2021, 339, 116835.	2.3	4
78	Imaging vicinal dithiol of arsenic-binding proteins in the mouse brain with amplification by gold nanocluster Au ₂₂ (GSH) ₁₈ . <i>Chemical Communications</i> , 2021, 57, 3103-3106.	2.2	4
79	Tailoring the Phase Transition and Luminescence Behaviors of a Poly(ionic liquid) to Ensure Visual Temperature Sensing. <i>ACS Applied Polymer Materials</i> , 2022, 4, 191-199.	2.0	4
80	Modulation of the binding ability to biomacromolecule, cytotoxicity and cellular imaging property for ionic liquid mediated carbon dots. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 216, 112552.	2.5	4
81	Chondroitin sulfate-enriched hierarchical multichannel polydopamine nanoparticles with ultrahigh sorption capacity for separation of low-density lipoprotein. <i>Journal of Materials Chemistry B</i> , 2021, 9, 1980-1987.	2.9	3
82	The concurrent enrichment of glycoproteins and phosphoproteins with polyoxometalate-covalent organic framework conjugate as the adsorbent. <i>Journal of Chromatography A</i> , 2022, 1675, 463183.	1.8	2
83	Plasmon Resonance-Inspired Discriminator Unscrambles Lipoprotein Subtypes. <i>Analyst</i> , The, 0, , .	1.7	0