

Shuyun Zhu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82 papers	2,410 citations	28 h-index	46 g-index
83 ext. papers	2,846 ext. citations	5.4 avg, IF	5.51 L-index

#	Paper	IF	Citations
82	A T-rich nucleic acid-enhanced electrochemical platform based on electroactive silver nanoclusters for miRNA detection.. <i>Biosensors and Bioelectronics</i> , 2022 , 208, 114215	11.8	0
81	Cascade amplification strategy combined with analyte-triggered fluorescence switching of dual-quenching system for highly sensitive detection of isoniazide.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 276, 121234	4.4	0
80	12-Plex UHPLC-MS/MS analysis of sarcosine in human urine using integrated principle of multiplex tags chemical isotope labeling and selective imprint enriching. <i>Talanta</i> , 2021 , 224, 121788	6.2	5
79	Ce-triggered cascade reaction for ratiometric fluorescence detection of alendronate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 251, 119437	4.4	1
78	A ratiometric fluorescence assay for bleomycin based on dual-emissive chameleon DNA-templated silver nanoclusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 252, 119521	4.4	4
77	Fluorescent DNA-templated silver nanoclusters for highly sensitive detection of D-penicillamine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 253, 119584	4.4	2
76	Ratiometric fluorescence detection of bleomycin based on proximity-dependent fluorescence conversion of DNA-templated silver nanoclusters. <i>Chinese Chemical Letters</i> , 2021 , 32, 906-909	8.1	18
75	A ratiometric fluorescence assay for bleomycin based on Cu ²⁺ -triggered cascade reactions and nanoparticle-mediated autocatalytic reactions. <i>New Journal of Chemistry</i> , 2021 , 45, 13620-13625	3.6	0
74	Fluorescent MOF-based nanozymes for discrimination of phenylenediamine isomers and ratiometric sensing of o-phenylenediamine. <i>Chinese Chemical Letters</i> , 2021 ,	8.1	5
73	8-Plex stable isotope labeling absolute quantitation strategy combined with dual-targeted recognizing function material for simultaneous separation and determination of glucosylsphingosine and galactosylsphingosine in human plasma. <i>Analytica Chimica Acta</i> , 2020 , 1124, 40-51	6.6	7
72	9-Plex ultra high performance liquid chromatography tandem mass spectrometry determination of free hydroxyl polycyclic aromatic hydrocarbons in human plasma and urine. <i>Journal of Chromatography A</i> , 2020 , 1623, 461182	4.5	10
71	Graphene quantum dots combined with the oxidase-mimicking activity of Ce ⁴⁺ for ratiometric fluorescent detection of Ce ⁴⁺ and alendronate sodium. <i>Sensors and Actuators B: Chemical</i> , 2020 , 319, 128321	8.5	18
70	Multiplexed derivatization strategy-based dummy molecularly imprinted polymers as sorbents for magnetic dispersive solid phase extraction of globotriaosylsphingosine prior to UHPLC-MS/MS quantitation. <i>Mikrochimica Acta</i> , 2020 , 187, 373	5.8	7
69	In situ formation of fluorescent silicon-containing polymer dots for alkaline phosphatase activity detection and immunoassay. <i>Science China Chemistry</i> , 2020 , 63, 554-560	7.9	8
68	Recent progresses of derivatization approaches in the targeted lipidomics analysis by mass spectrometry. <i>Journal of Separation Science</i> , 2020 , 43, 1838-1846	3.4	28
67	Derivatization-based magnetic dummy molecularly imprinted polymers integrated with 4-plex stable isotope labeling derivatization strategy for specific and rapid determination of L-hydroxyproline in human serum. <i>Analytica Chimica Acta</i> , 2020 , 1127, 57-68	6.6	9
66	The evolution of the thermodynamic property of graphene oxide nanofiber coated poly(vinyl alcohol) resin surface by the molecular dynamic simulations. <i>Journal of Molecular Liquids</i> , 2020 , 316, 113723	6	2

65	Synthesis of porous CoS for enhanced voltammetric nonenzymatic determination of glucose. <i>Mikrochimica Acta</i> , 2020 , 187, 98	5.8	4
64	Quadruplex stable isotope derivatization strategy for the determination of panaxadiol and panaxatriol in foodstuffs and medicinal materials using ultra high performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2020 , 1616, 460794	4.5	60
63	Convenient and sensitive colorimetric determination of alendronate sodium with Ce ⁴⁺ -triggered oxidation of TMB. <i>New Journal of Chemistry</i> , 2020 , 44, 12962-12966	3.6	4
62	A Cu and Fe dual-atom nanozyme mimicking cytochrome c oxidase to boost the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 16994-17001	13	41
61	13-Plex UHPLC-MS/MS Analysis of Hexanal and Heptanal Using Multiplex Tags Chemical Isotope Labeling Technology. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 1965-1973	3.5	3
60	Insights into the Mo-Doping Effect on the Electrocatalytic Performance of Hierarchical CoMoS Nanosheet Arrays for Hydrogen Generation and Urea Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 40194-40203	9.5	36
59	Turn-on fluorescent assay for antioxidants based on their inhibiting polymerization of dopamine on graphene quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 225, 117516	4.4	8
58	Synchronous measuring of triptolide changes in rat brain and blood and its application to a comparative pharmacokinetic study in normal and Alzheimer's disease rats. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 185, 113263	3.5	42
57	Fluorescence Immunoassay Based on the Alkaline Phosphatase Triggered in Situ Fluorogenic Reaction of o-Phenylenediamine and Ascorbic Acid. <i>Analytical Chemistry</i> , 2019 , 91, 2978-2984	7.8	60
56	A convenient fluorescent assay for quinolones based on their inhibition towards the oxidase-like activity of Cu ²⁺ . <i>New Journal of Chemistry</i> , 2019 , 43, 3707-3712	3.6	6
55	Theoretical studies on the structures and properties of doped graphenes with and without an external electrical field.. <i>RSC Advances</i> , 2019 , 9, 11939-11950	3.7	3
54	A novel and sensitive fluorescent assay for artemisinin with graphene quantum dots based on inner filter effect. <i>Talanta</i> , 2019 , 200, 163-168	6.2	20
53	Integration of stable isotope labeling derivatization and magnetic dispersive solid phase extraction for measurement of neurosteroids by in vivo microdialysis and UHPLC-MS/MS. <i>Talanta</i> , 2019 , 199, 97-106	6.2	19
52	Theoretical study of the structure and photoelectrical properties of tellurium (Te) doped graphene with the external electrical field. <i>Computational and Theoretical Chemistry</i> , 2019 , 1169, 112626	2	3
51	Stable isotope labeling derivatization coupled with magnetic dispersive solid phase extraction for the determination of hydroxyl-containing cholesterol and metabolites by in vivo microdialysis and ultra-high performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2019 , 1594, 23-33	4.5	16
50	Colorimetric determination of the activities of tyrosinase and catalase via substrate-triggered decomposition of MnO nanosheets. <i>Mikrochimica Acta</i> , 2019 , 186, 848	5.8	12
49	Effects of different functional groups in graphene nanofiber on the mechanical property of polyvinyl alcohol composites by the molecular dynamic simulations. <i>Journal of Molecular Liquids</i> , 2019 , 277, 261-268	6	19
48	Stable isotope labeling derivatization and magnetic dispersive solid phase extraction coupled with UHPLC-MS/MS for the measurement of brain neurotransmitters in post-stroke depression rats administrated with gastrodin. <i>Analytica Chimica Acta</i> , 2019 , 1051, 73-81	6.6	31

47	Probing NAD ⁺ /NADH-dependent biocatalytic transformations based on oxidase mimics of MnO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2019 , 282, 896-903	8.5	20
46	Al-Doped NiP nanosheet array: a superior and durable electrocatalyst for alkaline hydrogen evolution. <i>Chemical Communications</i> , 2018 , 54, 2894-2897	5.8	84
45	Probing glutathione reductase activity with graphene quantum dots and gold nanoparticles system. <i>Sensors and Actuators B: Chemical</i> , 2018 , 263, 27-35	8.5	28
44	Fe(TCNQ) ₂ Nanorod Array: A Conductive Non-Noble-Metal Electrocatalyst toward Water Oxidation in Alkaline Media. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 1545-1549	8.3	21
43	Simple and label-free fluorescence detection of ascorbic acid in rat brain microdialysates in the presence of catecholamines. <i>New Journal of Chemistry</i> , 2018 , 42, 3851-3856	3.6	19
42	A Turn-on Fluorescence sensor for ascorbic acid based on graphene quantum dots via fluorescence resonance energy transfer. <i>Analytical Methods</i> , 2018 , 10, 611-616	3.2	19
41	Simultaneous Determination of Oleanolic Acid and Ursolic Acid by in Vivo Microdialysis via UHPLC-MS/MS Using Magnetic Dispersive Solid Phase Extraction Coupling with Microwave-Assisted Derivatization and Its Application to a Pharmacokinetic Study of Arctiumlappa L. Root Extract in Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 3975-3982	5.7	27
40	A label-free fluorimetric detection of biothiols based on the oxidase-like activity of Ag ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 188, 20-25	4.4	12
39	Molecular beacon-templated silver nanoclusters as a fluorescent probe for determination of bleomycin via DNA scission. <i>Mikrochimica Acta</i> , 2018 , 185, 403	5.8	18
38	Cu ²⁺ modulated DNA-templated silver nanoclusters as a turn-on fluorescence probe for the detection of quinolones. <i>Analytical Methods</i> , 2018 , 10, 4183-4188	3.2	7
37	Core-shell magnetic molecularly imprinted polymers used rhodamine B hydroxyproline derivate as template combined with in situ derivatization for the specific measurement of L-hydroxyproline. <i>Journal of Chromatography A</i> , 2018 , 1532, 30-39	4.5	23
36	The mechanisms study of the porous graphene for the purification of the mixed gases: A multi-scale computational method. <i>Computational Materials Science</i> , 2018 , 143, 277-285	3.2	9
35	A new combined method of stable isotope-labeling derivatization-ultrasound-assisted dispersive liquid-liquid microextraction for the determination of neurotransmitters in rat brain microdialysates by ultra high performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017 , 1418, 10-18	3.2	14
34	A ratiometric fluorescent nanosensor for the detection of silver ions using graphene quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2017 , 253, 239-246	8.5	87
33	Rapid and sensitive determination of multiple endocrine-disrupting chemicals by ultrasound-assisted in situ derivatization dispersive liquid-liquid microextraction coupled with ultra-high-performance liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2017 , 31, 937-950	2.2	23
32	Analysis of amino acid and monoamine neurotransmitters and their metabolites in rat urine of Alzheimer's disease using in situ ultrasound-assisted derivatization dispersive liquid-liquid microextraction with UHPLC-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 135, 186-198	3.5	34
31	A simple and novel colorimetric assay for tyrosinase and inhibitor screening using 3,3',5,5'-tetramethylbenzidine as a chromogenic probe. <i>Talanta</i> , 2017 , 175, 457-462	6.2	24
30	High selectivity of colorimetric detection of p-nitrophenol based on Ag nanoclusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 171, 449-453	4.4	24

29	Novel turn-on fluorescent detection of alkaline phosphatase based on green synthesized carbon dots and MnO nanosheets. <i>Talanta</i> , 2017 , 165, 136-142	6.2	124
28	Determination of dopamine, serotonin, biosynthesis precursors and metabolites in rat brain microdialysates by ultrasonic-assisted in situ derivatization-dispersive liquid-liquid microextraction coupled with UHPLC-MS/MS. <i>Talanta</i> , 2016 , 161, 253-264	6.2	34
27	Sensitive determination of cholesterol and its metabolic steroid hormones by UHPLC-MS/MS via derivatization coupled with dual ultrasonic-assisted dispersive liquid-liquid microextraction. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30 Suppl 1, 147-54	2.2	15
26	In situ derivatization-ultrasound-assisted dispersive liquid-liquid microextraction for the determination of neurotransmitters in Parkinson's rat brain microdialysates by ultra high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016 , 1458, 70-81	4.5	34
25	Fluorimetric evaluation of glutathione reductase activity and its inhibitors using carbon quantum dots. <i>Talanta</i> , 2016 , 161, 769-774	6.2	23
24	Simultaneous Determination of Food-Related Biogenic Amines and Precursor Amino Acids Using in Situ Derivatization Ultrasound-Assisted Dispersive Liquid-Liquid Microextraction by Ultra-High-Performance Liquid Chromatography Tandem Mass Spectrometry. <i>Journal of Analytical and Food Chemistry</i> , 2016 , 61, 8885-8894	5.7	34
23	Sensitive and accurate determination of neurotransmitters from in vivo rat brain microdialysate of Parkinson's disease using in situ ultrasound-assisted derivatization dispersive liquid-liquid microextraction by UHPLC-MS/MS. <i>RSC Advances</i> , 2016 , 6, 108635-108644	3.7	22
22	Dual ultrasonic-assisted dispersive liquid-liquid microextraction coupled with microwave-assisted derivatization for simultaneous determination of 20(S)-protopanaxadiol and 20(S)-protopanaxatriol by ultra high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016 , 1497, 49-57	4.5	34
21	New nanoplatforms based on upconversion nanoparticles and single-walled carbon nanohorns for sensitive detection of acute promyelocytic leukemia. <i>RSC Advances</i> , 2016 , 6, 1037-1041	3.7	9
20	A kanamycin sensor based on an electrosynthesized molecularly imprinted poly-o-phenylenediamine film on a single-walled carbon nanohorn modified glassy carbon electrode. <i>Analyst, The</i> , 2016 , 142, 218-223	5	42
19	Fluorescence turn-on strategy based on silver nanoclusters-Cu ²⁺ system for trace detection of quinolones. <i>Sensors and Actuators B: Chemical</i> , 2016 , 234, 338-344	8.5	25
18	Turn-on fluorescent detection of melamine based on Ag nanoclusters-Hg ²⁺ system. <i>New Journal of Chemistry</i> , 2016 , 40, 8459-8464	3.6	23
17	Carboxylic-group-functionalized single-walled carbon nanohorns as peroxidase mimetics and their application to glucose detection. <i>Analyst, The</i> , 2015 , 140, 6398-403	5	49
16	Graphene oxide quantum dots@silver core-shell nanocrystals as turn-on fluorescent nanoprobe for ultrasensitive detection of prostate specific antigen. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 909-14	11.8	125
15	Simple and fast determination of catecholamines in pharmaceutical samples using Ag+3,3',5,5'-tetramethylbenzidine as a colorimetric probe. <i>Analytical Methods</i> , 2015 , 7, 6785-6790	3.2	10
14	Electrochemical behavior and voltammetric determination of dihydronicotinamide adenine dinucleotide using a glassy carbon electrode modified with single-walled carbon nanohorns. <i>Ionics</i> , 2015 , 21, 2911-2917	2.7	4
13	Simultaneous determination of amino acid and monoamine neurotransmitters in PC12 cells and rats models of Parkinson's disease using a sensitizing derivatization reagent by UHPLC-MS/MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015 , 995-996, 15-23	3.2	30
12	Accurate Analysis and Evaluation of Acidic Plant Growth Regulators in Transgenic and Nontransgenic Edible Oils with Facile Microwave-Assisted Extraction-Derivatization. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 8058-67	5.7	5

11	Development of an Efficient HPLC Fluorescence Detection Method for Brassinolide by Ultrasonic-Assisted Dispersive Liquid-Liquid Microextraction Coupled with Derivatization. <i>Chromatographia</i> , 2014 , 77, 1653-1660	2.1	18
10	Electrochemical behavior and voltammetric determination of L-tryptophan and L-tyrosine using a glassy carbon electrode modified with single-walled carbon nanohorns. <i>Mikrochimica Acta</i> , 2014 , 181, 445-451	5.8	65
9	Pd@Au core-shell nanocrystals with concave cubic shapes: kinetically controlled synthesis and electrocatalytic properties. <i>Faraday Discussions</i> , 2013 , 164, 175-88	3.6	17
8	Fluorescence detection of glutathione reductase activity based on deoxyribonucleic acid-templated silver nanoclusters. <i>Analytica Chimica Acta</i> , 2013 , 786, 111-5	6.6	37
7	Turn-on fluorescence sensor based on single-walled-carbon-nanohorn-peptide complex for the detection of thrombin. <i>Chemistry - A European Journal</i> , 2012 , 18, 16556-61	4.8	34
6	Carbon Nanohorns and Their Biomedical Applications 2012 ,		2
5	A novel fluorescent aptasensor based on single-walled carbon nanohorns. <i>Nanoscale</i> , 2011 , 3, 4589-92	7.7	31
4	Nucleic acid detection using single-walled carbon nanohorns as a fluorescent sensing platform. <i>Chemical Communications</i> , 2011 , 47, 6099-101	5.8	39
3	Single-walled carbon nanohorns and their applications. <i>Nanoscale</i> , 2010 , 2, 2538-49	7.7	247
2	Simultaneous electrochemical determination of uric acid, dopamine, and ascorbic acid at single-walled carbon nanohorn modified glassy carbon electrode. <i>Biosensors and Bioelectronics</i> , 2009 , 25, 940-3	11.8	188
1	Single-walled carbon nanohorn as new solid-phase extraction adsorbent for determination of 4-nitrophenol in water sample. <i>Talanta</i> , 2009 , 79, 1441-5	6.2	85