

List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/7004736/shuyun-zhu-publications-by-citations.pdf>  
**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
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	Single-walled carbon nanohorns and their applications. <i>Nanoscale</i> , <b>2010</b> , 2, 2538-49	7.7	247
81	Simultaneous electrochemical determination of uric acid, dopamine, and ascorbic acid at single-walled carbon nanohorn modified glassy carbon electrode. <i>Biosensors and Bioelectronics</i> , <b>2009</b> , 25, 940-3	11.8	188
80	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> , <b>2015</b> , 74, 909-14	11.8	125
79	Novel turn-on fluorescent detection of alkaline phosphatase based on green synthesized carbon dots and MnO nanosheets. <i>Talanta</i> , <b>2017</b> , 165, 136-142	6.2	124
78	A ratiometric fluorescent nanosensor for the detection of silver ions using graphene quantum dots. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 253, 239-246	8.5	87
77	Single-walled carbon nanohorn as new solid-phase extraction adsorbent for determination of 4-nitrophenol in water sample. <i>Talanta</i> , <b>2009</b> , 79, 1441-5	6.2	85
76	Al-Doped NiP nanosheet array: a superior and durable electrocatalyst for alkaline hydrogen evolution. <i>Chemical Communications</i> , <b>2018</b> , 54, 2894-2897	5.8	84
75	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> , <b>2014</b> , 181, 445-451	5.8	65
74	Fluorescence Immunoassay Based on the Alkaline Phosphatase Triggered in Situ Fluorogenic Reaction of o-Phenylenediamine and Ascorbic Acid. <i>Analytical Chemistry</i> , <b>2019</b> , 91, 2978-2984	7.8	60
73	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> , <b>2020</b> , 1616, 460794	4.5	60
72	Carboxylic-group-functionalized single-walled carbon nanohorns as peroxidase mimetics and their application to glucose detection. <i>Analyst</i> , <b>2015</b> , 140, 6398-403	5	49
71	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</i> , <b>2016</b> , 142, 218-223	5	42
70	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> , <b>2020</b> , 185, 113263	3.5	42
69	A Cu and Fe dual-atom nanozyme mimicking cytochrome c oxidase to boost the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 16994-17001	13	41
68	Nucleic acid detection using single-walled carbon nanohorns as a fluorescent sensing platform. <i>Chemical Communications</i> , <b>2011</b> , 47, 6099-101	5.8	39
67	Fluorescence detection of glutathione reductase activity based on deoxyribonucleic acid-templated silver nanoclusters. <i>Analytica Chimica Acta</i> , <b>2013</b> , 786, 111-5	6.6	37
66	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 &amp; Interfaces</i> , <b>2020</b> , 12, 40194-40203	9.5	36

65	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> , <b>2017</b> , 135, 186-198	3.5	34
64	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> , <b>2016</b> , 161, 253-264	6.2	34
63	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> , <b>2016</b> , 1458, 70-81	4.5	34
62	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 Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 3305-3314	5.7	34
61	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> , <b>2016</b> , 1437, 49-57	4.5	34
60	Turn-on fluorescence sensor based on single-walled-carbon-nanohorn-peptide complex for the detection of thrombin. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 16556-61	4.8	34
59	A novel fluorescent aptasensor based on single-walled carbon nanohorns. <i>Nanoscale</i> , <b>2011</b> , 3, 4589-92	7.7	31
58	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> , <b>2019</b> , 1051, 73-81	6.6	31
57	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> , <b>2015</b> , 995-996, 15-23	3.2	30
56	Recent progresses of derivatization approaches in the targeted lipidomics analysis by mass spectrometry. <i>Journal of Separation Science</i> , <b>2020</b> , 43, 1838-1846	3.4	28
55	Probing glutathione reductase activity with graphene quantum dots and gold nanoparticles system. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 263, 27-35	8.5	28
54	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> , <b>2019</b> , 67, 3375-3383	5.7	27
53	Fluorescence turn-on strategy based on silver nanoclusters-Cu <sup>2+</sup> system for trace detection of quinolones. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 234, 338-344	8.5	25
52	A simple and novel colorimetric assay for tyrosinase and inhibitor screening using 3,3',5,5'-tetramethylbenzidine as a chromogenic probe. <i>Talanta</i> , <b>2017</b> , 175, 457-462	6.2	24
51	High selectivity of colorimetric detection of p-nitrophenol based on Ag nanoclusters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 171, 449-453	4.4	24
50	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> , <b>2017</b> , 31, 937-950	2.2	23
49	Fluorimetric evaluation of glutathione reductase activity and its inhibitors using carbon quantum dots. <i>Talanta</i> , <b>2016</b> , 161, 769-774	6.2	23
48	Turn-on fluorescent detection of melamine based on Ag nanoclusters-Hg <sup>2+</sup> system. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 8459-8464	3.6	23

47	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> , <b>2018</b> , 1532, 30-39	4.5	23
46	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> , <b>2016</b> , 6, 108635-108644	3.7	22
45	Fe(TCNQ) <sub>2</sub> Nanorod Array: A Conductive Non-Noble-Metal Electrocatalyst toward Water Oxidation in Alkaline Media. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 1545-1549	8.3	21
44	A novel and sensitive fluorescent assay for artemisinin with graphene quantum dots based on inner filter effect. <i>Talanta</i> , <b>2019</b> , 200, 163-168	6.2	20
43	Probing NAD <sup>+</sup> /NADH-dependent biocatalytic transformations based on oxidase mimics of MnO <sub>2</sub> . <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 282, 896-903	8.5	20
42	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> , <b>2019</b> , 199, 97-106	6.2	19
41	Simple and label-free fluorescence detection of ascorbic acid in rat brain microdialysates in the presence of catecholamines. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 3851-3856	3.6	19
40	A Turn-on Fluorescence sensor for ascorbic acid based on graphene quantum dots via fluorescence resonance energy transfer. <i>Analytical Methods</i> , <b>2018</b> , 10, 611-616	3.2	19
39	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> , <b>2019</b> , 277, 261-268	6	19
38	Graphene quantum dots combined with the oxidase-mimicking activity of Ce <sup>4+</sup> for ratiometric fluorescent detection of Ce <sup>4+</sup> and alendronate sodium. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 319, 128321	8.5	18
37	Molecular beacon-templated silver nanoclusters as a fluorescent probe for determination of bleomycin via DNA scission. <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 403	5.8	18
36	Development of an Efficient HPLC Fluorescence Detection Method for Brassinolide by Ultrasonic-Assisted Dispersive Liquid-Liquid Microextraction Coupled with Derivatization. <i>Chromatographia</i> , <b>2014</b> , 77, 1653-1660	2.1	18
35	Ratiometric fluorescence detection of bleomycin based on proximity-dependent fluorescence conversion of DNA-templated silver nanoclusters. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 906-909	8.1	18
34	Pd@Au core-shell nanocrystals with concave cubic shapes: kinetically controlled synthesis and electrocatalytic properties. <i>Faraday Discussions</i> , <b>2013</b> , 164, 175-88	3.6	17
33	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> , <b>2019</b> , 1594, 23-33	4.5	16
32	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> , <b>2016</b> , 30 Suppl 1, 147-54	2.2	15
31	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> , <b>2017</b> , 1000, 1-10	3.2	14
30	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> , <b>2018</b> , 188, 20-25	4.4	12

29	Colorimetric determination of the activities of tyrosinase and catalase via substrate-triggered decomposition of MnO nanosheets. <i>Mikrochimica Acta</i> , <b>2019</b> , 186, 848	5.8	12
28	Simple and fast determination of catecholamines in pharmaceutical samples using Ag+B,3?,5,5?-tetramethylbenzidine as a colorimetric probe. <i>Analytical Methods</i> , <b>2015</b> , 7, 6785-6790	3.2	10
27	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> , <b>2020</b> , 1623, 461182	4.5	10
26	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> , <b>2020</b> , 1127, 57-68	6.6	9
25	New nanoplateforms based on upconversion nanoparticles and single-walled carbon nanohorns for sensitive detection of acute promyelocytic leukemia. <i>RSC Advances</i> , <b>2016</b> , 6, 1037-1041	3.7	9
24	The mechanisms study of the porous graphene for the purification of the mixed gases: A multi-scale computational method. <i>Computational Materials Science</i> , <b>2018</b> , 143, 277-285	3.2	9
23	In situ formation of fluorescent silicon-containing polymer dots for alkaline phosphatase activity detection and immunoassay. <i>Science China Chemistry</i> , <b>2020</b> , 63, 554-560	7.9	8
22	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> , <b>2020</b> , 225, 117516	4.4	8
21	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> , <b>2020</b> , 1124, 40-51	6.6	7
20	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> , <b>2020</b> , 187, 373	5.8	7
19	Cu <sup>2+</sup> modulated DNA-templated silver nanoclusters as a turn-on fluorescence probe for the detection of quinolones. <i>Analytical Methods</i> , <b>2018</b> , 10, 4183-4188	3.2	7
18	A convenient fluorescent assay for quinolones based on their inhibition towards the oxidase-like activity of Cu <sup>2+</sup> . <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 3707-3712	3.6	6
17	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> , <b>2015</b> , 63, 8058-67	5.7	5
16	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> , <b>2021</b> , 224, 121788	6.2	5
15	Fluorescent MOF-based nanozymes for discrimination of phenylenediamine isomers and ratiometric sensing of o-phenylenediamine. <i>Chinese Chemical Letters</i> , <b>2021</b> ,	8.1	5
14	Electrochemical behavior and voltammetric determination of dihydronicotinamide adenine dinucleotide using a glassy carbon electrode modified with single-walled carbon nanohorns. <i>Ionics</i> , <b>2015</b> , 21, 2911-2917	2.7	4
13	Synthesis of porous CoS for enhanced voltammetric nonenzymatic determination of glucose. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 98	5.8	4
12	Convenient and sensitive colorimetric determination of alendronate sodium with Ce <sup>4+</sup> -triggered oxidation of TMB. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 12962-12966	3.6	4

11	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> , <b>2021</b> , 252, 119521	4.4	4
10	Theoretical studies on the structures and properties of doped graphenes with and without an external electrical field.. <i>RSC Advances</i> , <b>2019</b> , 9, 11939-11950	3.7	3
9	Theoretical study of the structure and photoelectrical properties of tellurium (Te) doped graphene with the external electrical field. <i>Computational and Theoretical Chemistry</i> , <b>2019</b> , 1169, 112626	2	3
8	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> , <b>2020</b> , 31, 1965-1973	3.5	3
7	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> , <b>2020</b> , 316, 113723	6.23	2
6	Carbon Nanohorns and Their Biomedical Applications <b>2012</b> ,		2
5	Fluorescent DNA-templated silver nanoclusters for highly sensitive detection of D-penicillamine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 253, 119584	4.4	2
4	Ce-triggered cascade reaction for ratiometric fluorescence detection of alendronate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 251, 119437	4.4	1
3	A ratiometric fluorescence assay for bleomycin based on Cu <sup>2+</sup> -triggered cascade reactions and nanoparticle-mediated autocatalytic reactions. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 13620-13625	3.6	0
2	A T-rich nucleic acid-enhanced electrochemical platform based on electroactive silver nanoclusters for miRNA detection.. <i>Biosensors and Bioelectronics</i> , <b>2022</b> , 208, 114215	11.8	0
1	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> , <b>2022</b> , 276, 121234	4.4	0