

Fang-Ying Wu

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.

84
papers

2,380
citations

31
h-index

45
g-index

87
ext. papers

2,782
ext. citations

4.9
avg, IF

5.59
L-index

#	Paper	IF	Citations
84	Highly Specific and Rapid Colorimetric Detection of Tetracycline in Pills and Milk Based on Aptamer-Controlled Aggregation of Silver Nanoparticles. <i>Chemistry Africa</i> , 2022 , 5, 107	2.2	1
83	Histamine-responsive dye-incorporated carbon dots for visual monitoring of food spoilage. <i>Sensors and Actuators B: Chemical</i> , 2022 , 131911	8.5	1
82	Visualizing the degradation of nerve agent simulants using functionalized Zr-based MOFs: from solution to hydrogels. <i>Chemical Communications</i> , 2021 , 57, 11681-11684	5.8	0
81	Dual-Emission Carbon Dots for Ratiometric Fluorescent Water Sensing, Relative Humidity Sensing, and Anticounterfeiting Applications. <i>ACS Applied Nano Materials</i> , 2021 , 4, 10674-10681	5.6	6
80	Concentration-dependent photoluminescence carbon dots for visual recognition and detection of three tetracyclines. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 2565-2575	4.4	9
79	Colorimetric determination of acid phosphatase activity and inhibitor screening based on in situ polymerization of aniline catalyzed by gold nanoparticles. <i>Mikrochimica Acta</i> , 2021 , 188, 155	5.8	2
78	A Turn-on Fluorescent probe based on BODIPY dyes for highly selective detection of fluoride ions. <i>Dyes and Pigments</i> , 2021 , 190, 109347	4.6	9
77	Tuning the excited-state intramolecular proton transfer (ESIPT)-based luminescence of metal-organic frameworks by metal nodes toward versatile photoluminescent applications. <i>Dalton Transactions</i> , 2021 , 50, 6901-6912	4.3	7
76	A novel light-controlled colorimetric detection assay for nitroreductase based on -aminophenol-catalyzed and NADH-mediated synthesis of silver nanoparticles. <i>Analytical Methods</i> , 2021 , 13, 2223-2228	3.2	1
75	Polydopamine molecularly imprinted polymer coated on a biomimetic iron-based metal-organic framework for highly selective fluorescence detection of metronidazole. <i>Talanta</i> , 2021 , 232, 122411	6.2	14
74	Rapid visual detection for nitroreductase based on the copper ions-induced and NADH-mediated aggregation of gold-silver alloy nanoparticles. <i>Talanta</i> , 2021 , 234, 122681	6.2	0
73	A label-free luminescent assay for tyrosinase activity monitoring and inhibitor screening with responsive lanthanide coordination polymer nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 228, 117751	4.4	9
72	Smartphone colorimetric assay of acid phosphatase based on a controlled iodine-mediated etching of gold nanorods. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 8051-8059	4.4	3
71	Colorimetric determination of tyrosinase based on in situ silver metallization catalyzed by gold nanoparticles. <i>Mikrochimica Acta</i> , 2020 , 187, 551	5.8	4
70	Using target-specific aptamers to enhance the peroxidase-like activity of gold nanoclusters for colorimetric detection of tetracycline antibiotics. <i>Talanta</i> , 2020 , 208, 120342	6.2	50
69	A label-free colorimetric aptasensor based on controllable aggregation of AuNPs for the detection of multiplex antibiotics. <i>Food Chemistry</i> , 2020 , 304, 125377	8.5	62
68	Colorimetric determination of cytosine-rich ssDNA by silver(I)-modulated glucose oxidase-catalyzed growth of gold nanoparticles. <i>Mikrochimica Acta</i> , 2019 , 186, 467	5.8	5

67	An excited-state intramolecular proton transfer (ESIPT)-based aggregation-induced emission active probe and its Cu(II) complex for fluorescence detection of cysteine. <i>Sensors and Actuators B: Chemical</i> , 2019 , 294, 69-77	8.5	21
66	A highly sensitive fluorescent probe with different responses to Cu and Zn. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 214, 233-238	4.4	16
65	Ratiometric fluorescent detection of phosphate in human serum with functionalized gold nanoclusters based on chelation-enhanced fluorescence. <i>Sensors and Actuators B: Chemical</i> , 2019 , 298, 126891	8.5	15
64	Colorimetric and fluorometric aggregation-based heparin assay by using gold nanoclusters and gold nanoparticles. <i>Mikrochimica Acta</i> , 2019 , 186, 790	5.8	4
63	A novel colorimetric aptasensor for detection of chloramphenicol based on lanthanum ion-assisted gold nanoparticle aggregation and smartphone imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 7511-7518	4.4	25
62	Perturbing Tandem Energy Transfer in Luminescent Heterobinuclear Lanthanide Coordination Polymer Nanoparticles Enables Real-Time Monitoring of Release of the Anthrax Biomarker from Bacterial Spores. <i>Analytical Chemistry</i> , 2018 , 90, 7004-7011	7.8	69
61	Colorimetric detection of methionine based on anti-aggregation of gold nanoparticles in the presence of melamine. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 2779-2784	8.5	26
60	Ratiometric fluorescence detection of phosphate in human serum with a metal-organic frameworks-based nanocomposite and its immobilized agarose hydrogels. <i>Applied Surface Science</i> , 2018 , 459, 686-692	6.7	42
59	A novel jointly colorimetric and fluorescent sensor for Cu recognition and its complex for sensing S by a Cu displacement approach in aqueous media. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 204, 568-575	4.4	23
58	Colorimetric detection of melamine in milk based on Triton X-100 modified gold nanoparticles and its paper-based application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 192, 174-180	4.4	34
57	Polydopamine-based molecularly imprinting polymers on magnetic nanoparticles for recognition and enrichment of ochratoxins prior to their determination by HPLC. <i>Mikrochimica Acta</i> , 2018 , 185, 300	5.8	26
56	Facile synthesis of carbon nanodots with surface state-modulated fluorescence for highly sensitive and real-time detection of water in organic solvents. <i>Analytica Chimica Acta</i> , 2018 , 1034, 144-152	6.6	37
55	Specific pH effect for selective colorimetric assay of glutathione using anti-aggregation of label-free gold nanoparticles. <i>RSC Advances</i> , 2017 , 7, 13426-13432	3.7	8
54	Colorimetric detection of glutathione in cells based on peroxidase-like activity of gold nanoclusters: A promising powerful tool for identifying cancer cells. <i>Analytica Chimica Acta</i> , 2017 , 967, 64-69	6.6	81
53	Cetylpyridinium chloride functionalized silica-coated magnetite microspheres for the solid-phase extraction and pre-concentration of ochratoxin A from environmental water samples with high-performance liquid chromatographic analysis. <i>Journal of Separation Science</i> , 2017 , 40, 2431-2437	3.4	2
52	Colorimetric detection of tyrosinase during the synthesis of kojic acid/silver nanoparticles under illumination. <i>Sensors and Actuators B: Chemical</i> , 2017 , 251, 836-841	8.5	22
51	Fe ₃ O ₄ Magnetic Nanoparticles Modified with Sodium Dodecyl Sulfate for Removal of Basic Orange 21 and Basic Orange 22 from Complex Food Samples with High-Performance Liquid Chromatographic Analysis. <i>Food Analytical Methods</i> , 2017 , 10, 3119-3127	3.4	5
50	Highly selective and sensitive detection of heparin based on competition-modulated assembly and disassembly of fluorescent gold nanoclusters. <i>New Journal of Chemistry</i> , 2017 , 41, 717-723	3.6	20

49	Cu ²⁺ -Mediated turn-on fluorescence assay for sulfide ions using glutathione-protected gold nanoclusters: enhanced sensitivity, good reusability, and cell imaging. <i>New Journal of Chemistry</i> , 2017 , 41, 12930-12936	3.6	12
48	Gold-platinum bimetallic nanoclusters with enhanced peroxidase-like activity and their integrated agarose hydrogel-based sensing platform for the colorimetric analysis of glucose levels in serum. <i>Analyst, The</i> , 2017 , 142, 4106-4115	5	43
47	Highly selective colorimetric detection of Ni ²⁺ using silver nanoparticles cofunctionalized with adenosine monophosphate and sodium dodecyl sulfonate. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	11
46	Self-assembled diblock conjugated polyelectrolytes as electron transport layers for organic photovoltaics. <i>RSC Advances</i> , 2017 , 7, 24345-24352	3.7	5
45	Highly selective and sensitive detection of glutathione based on anti-aggregation of gold nanoparticles via pH regulation. <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 553-559	8.5	18
44	Ultrasensitive turn-on fluorescence detection of Cu based on p-dimethylaminobenzamide derivative and the application to cell imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 173, 264-269	4.4	5
43	Colorimetric detection of thiocyanate based on anti-aggregation of gold nanoparticles in the presence of cetyltrimethyl ammonium bromide. <i>Sensors and Actuators B: Chemical</i> , 2016 , 222, 790-796	8.5	34
42	Synthesizing a nano-composite of BSA-capped Au nanoclusters/graphitic carbon nitride nanosheets as a new fluorescent probe for dopamine detection. <i>Analytica Chimica Acta</i> , 2016 , 942, 112-120	6.6	47
41	Colorimetric detection of Cd ²⁺ using 1-amino-2-naphthol-4-sulfonic acid functionalized silver nanoparticles. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	19
40	Colorimetric detection of melamine based on p-chlorobenzenesulfonic acid-modified AuNPs. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	7
39	Colorimetric determination of aluminum(III) based on the aggregation of Schiff base-functionalized gold nanoparticles. <i>Mikrochimica Acta</i> , 2016 , 183, 863-869	5.8	28
38	Silver nanoparticles modified with sulfanilic acid for one-step colorimetric and visual determination of histidine in serum. <i>Mikrochimica Acta</i> , 2016 , 183, 1865-1872	5.8	20
37	Preparation of protonated, two-dimensional graphitic carbon nitride nanosheets by exfoliation, and their application as a fluorescent probe for trace analysis of copper(II). <i>Mikrochimica Acta</i> , 2016 , 183, 773-780	5.8	30
36	Colorimetric detection of Cu ²⁺ in aqueous solution and on the test kit by 4-aminoantipyrine derivatives. <i>Sensors and Actuators B: Chemical</i> , 2016 , 226, 30-36	8.5	47
35	A highly selective and sensitive turn-on fluorescent probe of Cu ²⁺ by p-dimethylaminobenzamide-based derivative and its bioimaging in living cells. <i>Sensors and Actuators B: Chemical</i> , 2016 , 232, 673-679	8.5	34
34	Visualization and quantification of Hg ²⁺ based on anti-aggregation of label-free gold nanoparticles in the presence of 2-mercaptobenzothiazole. <i>Sensors and Actuators B: Chemical</i> , 2016 , 233, 223-229	8.5	11
33	The use of tungsten disulfide dots as highly selective, fluorescent probes for analysis of nitrofurazone. <i>Talanta</i> , 2015 , 144, 1036-43	6.2	39
32	Sensitive detection of carcinoembryonic antigen using surface plasmon resonance biosensor with gold nanoparticles signal amplification. <i>Talanta</i> , 2015 , 140, 143-149	6.2	75

31	Colorimetric detection of Cr ³⁺ using gold nanoparticles functionalized with 4-amino hippuric acid. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	35
30	Toward selective, sensitive, and discriminative detection of Hg(2+) and Cd(2+) via pH-modulated surface chemistry of glutathione-capped gold nanoclusters. <i>Analyst, The</i> , 2015 , 140, 7313-21	5	32
29	Ultrasensitive turn-on fluorescent detection of trace thiocyanate based on fluorescence resonance energy transfer. <i>Talanta</i> , 2015 , 132, 619-24	6.2	33
28	Colorimetric detection of melamine in pretreated milk using silver nanoparticles functionalized with sulfanilic acid. <i>Food Control</i> , 2015 , 50, 356-361	6.2	80
27	Target-Triggered Switching on and off the Luminescence of Lanthanide Coordination Polymer Nanoparticles for Selective and Sensitive Sensing of Copper Ions in Rat Brain. <i>Analytical Chemistry</i> , 2015 , 87, 6834-41	7.8	76
26	Visual test for melamine using silver nanoparticles modified with chromotropic acid. <i>Mikrochimica Acta</i> , 2014 , 181, 1267-1274	5.8	31
25	Colorimetric Assay for Al ³⁺ Based on Alizarin Red S-functionalized Silver Nanoparticles. <i>Australian Journal of Chemistry</i> , 2014 , 67, 1700	1.2	2
24	Silver nanoparticles capped with 8-hydroxyquinoline-5-sulfonate for the determination of trace aluminum in water samples and for intracellular fluorescence imaging. <i>Mikrochimica Acta</i> , 2013 , 180, 1317-1324	5.8	17
23	A dual colorimetric and fluorescent sensor for lead ion based on naphthalene hydrazone derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 109, 221-5	4.4	9
22	Highly selective colorimetric assay for nickel ion using N-acetyl-L-cysteine-functionalized silver nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	27
21	Functionalized manganese-doped zinc sulfide quantum dot-based fluorescent probe for zinc ion. <i>Mikrochimica Acta</i> , 2012 , 177, 333-339	5.8	23
20	Colorimetric detection of lead (II) based on silver nanoparticles capped with iminodiacetic acid. <i>Mikrochimica Acta</i> , 2012 , 178, 221-227	5.8	50
19	Study of the interaction between 2,5-di-[2-(4-hydroxy-phenyl)ethylene]-terephthalonitril and bovine serum albumin by fluorescence spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011 , 79, 97-103	4.4	60
18	Functionalized manganese-doped zinc sulfide core/shell quantum dots as selective fluorescent chemodosimeters for silver ion. <i>Mikrochimica Acta</i> , 2010 , 170, 147-153	5.8	49
17	Fluorescent method for the determination of sulfide anion with ZnS:Mn quantum dots. <i>Journal of Fluorescence</i> , 2010 , 20, 243-50	2.4	60
16	Study of the interaction between a new Schiff-base complex and bovine serum albumin by fluorescence spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010 , 77, 430-6	4.4	75
15	Spectroscopic investigation of the interaction between thiourea-zinc complex and serum albumin. <i>Journal of Luminescence</i> , 2010 , 130, 1280-1284	3.8	20
14	Study of interaction of a fluorescent probe with DNA. <i>Journal of Luminescence</i> , 2009 , 129, 1286-1291	3.8	39

13	Spectroscopic Determination of Cysteine with Alizarin Red S and Copper. <i>Spectroscopy Letters</i> , 2008 , 41, 393-398	1.1	20
12	Interaction of a new fluorescent probe with DNA and its use in determination of DNA. <i>Journal of Fluorescence</i> , 2008 , 18, 175-81	2.4	48
11	Highly sensitive spectrofluorimetric determination of cysteine by Cu ²⁺ -morin complex. <i>Mikrochimica Acta</i> , 2008 , 162, 147-152	5.8	22
10	2,5-di-[2-(3,5-bis(2-pyridylmethyl)amine -4-hydroxy-phenyl) ethylene] pyrazine zinc complex as fluorescent probe for labeling proteins. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008 , 70, 1127-33	4.4	8
9	A ditopic colorimetric sensor for fluoride ion based on thiourea mercury complex. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008 , 71, 814-7	4.4	9
8	A highly sensitive and selective fluorescent chemodosimeter for Hg ²⁺ in neutral aqueous solution. <i>Journal of Fluorescence</i> , 2007 , 17, 460-5	2.4	25
7	A unique NH-spacer for N-benzamidothiourea based anion sensors. Substituent effect on anion sensing of the ICT dual fluorescent N-(p-dimethylaminobenzamido)-N'-arylthioureas. <i>Organic and Biomolecular Chemistry</i> , 2006 , 4, 624-30	3.9	97
6	A Ratiometric Fluorescence Sensor for Zinc in Neutral Solution Based on Thiourea Receptor. <i>Chemistry Letters</i> , 2006 , 35, 950-951	1.7	10
5	Interaction of ICT receptor with serum albumins in aqueous buffer. <i>Chemical Physics Letters</i> , 2006 , 424, 387-393	2.5	40
4	Fluoride-selective colorimetric sensor based on thiourea binding site and anthraquinone reporter. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 65, 633-7	4.4	45
3	A novel colorimetric sensor of dihydrogen-phosphate based on metal complex between 8-hydroxy quinoline-5-azo-4'-nitrobenzene and cobalt. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 65, 925-9	4.4	19
2	A selective fluorescent sensor for Pb(II) in water. <i>Tetrahedron Letters</i> , 2006 , 47, 8851-8854	2	45
1	A novel thiourea-based dual fluorescent anion receptor with a rigid hydrazine spacer. <i>Organic Letters</i> , 2002 , 4, 3203-5	6.2	129