Fang-Ying Wu

List of Publications by Year
in descending order

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87 papers	3,170 citations	109264 35 h-index	168321 53 g-index
87 all docs	87 docs citations	87 times ranked	3813 citing authors

#	Article	IF	Citations
1	A Novel Thiourea-Based Dual Fluorescent Anion Receptor with a Rigid Hydrazine Spacer. Organic Letters, 2002, 4, 3203-3205.	2.4	134
2	A label-free colorimetric aptasensor based on controllable aggregation of AuNPs for the detection of multiplex antibiotics. Food Chemistry, 2020, 304, 125377.	4.2	109
3	Colorimetric detection of glutathione in cells based on peroxidase-like activity of gold nanoclusters: A promising powerful tool for identifying cancer cells. Analytica Chimica Acta, 2017, 967, 64-69.	2.6	103
4	Perturbing Tandem Energy Transfer in Luminescent Heterobinuclear Lanthanide Coordination Polymer Nanoparticles Enables Real-Time Monitoring of Release of the Anthrax Biomarker from Bacterial Spores. Analytical Chemistry, 2018, 90, 7004-7011.	3.2	103
5	A unique NH-spacer for N-benzamidothiourea based anion sensors. Substituent effect on anion sensing of the ICT dual fluorescent N-(p-dimethylaminobenzamido)-Nâ€²-arylthioureas. Organic and Biomolecular Chemistry, 2006, 4, 624.	1.5	100
6	Study of the interaction between a new Schiff-base complex and bovine serum albumin by fluorescence spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 77, 430-436.	2.0	100
7	Using target-specific aptamers to enhance the peroxidase-like activity of gold nanoclusters for colorimetric detection of tetracycline antibiotics. Talanta, 2020, 208, 120342.	2.9	98
8	Colorimetric detection of melamine in pretreated milk using silver nanoparticles functionalized with sulfanilic acid. Food Control, 2015, 50, 356-361.	2.8	95
9	Sensitive detection of carcinoembryonic antigen using surface plasmon resonance biosensor with gold nanoparticles signal amplification. Talanta, 2015, 140, 143-149.	2.9	94
10	Target-Triggered Switching on and off the Luminescence of Lanthanide Coordination Polymer Nanoparticles for Selective and Sensitive Sensing of Copper Ions in Rat Brain. Analytical Chemistry, 2015, 87, 6834-6841.	3.2	93
11	Ratiometric fluorescence detection of phosphate in human serum with a metal-organic frameworks-based nanocomposite and its immobilized agarose hydrogels. Applied Surface Science, 2018, 459, 686-692.	3.1	75
12	Fluorescent Method for the Determination of Sulfide Anion with ZnS:Mn Quantum Dots. Journal of Fluorescence, 2010, 20, 243-250.	1.3	62
13	Study of the interaction between 2,5-di-[2-(4-hydroxy-phenyl)ethylene]-terephthalonitril and bovine serum albumin by fluorescence spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 79, 97-103.	2.0	62
14	Synthesizing a nano-composite of BSA-capped Au nanoclusters/graphitic carbon nitride nanosheets as a new fluorescent probe for dopamine detection. Analytica Chimica Acta, 2016, 942, 112-120.	2.6	62
15	Goldâ€“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. Analyst, The, 2017, 142, 4106-4115.	1.7	61
16	Colorimetric detection of lead (II) based on silver nanoparticles capped with iminodiacetic acid. Mikrochimica Acta, 2012, 178, 221-227.	2.5	59
17	Colorimetric detection of Cu2+ in aqueous solution and on the test kit by 4-aminoantipyrine derivatives. Sensors and Actuators B: Chemical, 2016, 226, 30-36.	4.0	57
18	The use of tungsten disulfide dots as highly selective, fluorescent probes for analysis of nitrofurazone. Talanta, 2015, 144, 1036-1043.	2.9	55

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19	Facile synthesis of carbon nanodots with surface state-modulated fluorescence for highly sensitive and real-time detection of water in organic solvents. Analytica Chimica Acta, 2018, 1034, 144-152.	2.6	55
20	Interaction of a New Fluorescent Probe with DNA and its Use in Determination of DNA. Journal of Fluorescence, 2008, 18, 175-181.	1.3	52
21	Functionalized manganese-doped zinc sulfide core/shell quantum dots as selective fluorescent chemodosimeters for silver ion. Mikrochimica Acta, 2010, 170, 147-153.	2.5	52
22	Colorimetric detection of melamine in milk based on Triton X-100 modified gold nanoparticles and its paper-based application. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 192, 174-180.	2.0	50
23	A selective fluorescent sensor for Pb(II) in water. Tetrahedron Letters, 2006, 47, 8851-8854.	0.7	49
24	Colorimetric detection of methionine based on anti-aggregation of gold nanoparticles in the presence of melamine. Sensors and Actuators B: Chemical, 2018, 255, 2779-2784.	4.0	49
25	Fluoride-selective colorimetric sensor based on thiourea binding site and anthraquinone reporter. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 65, 633-637.	2.0	48
26	Colorimetric detection of thiocyanate based on anti-aggregation of gold nanoparticles in the presence of cetyltrimethyl ammonium bromide. Sensors and Actuators B: Chemical, 2016, 222, 790-796.	4.0	45
27	Study of interaction of a fluorescent probe with DNA. Journal of Luminescence, 2009, 129, 1286-1291.	1.5	44
28	A highly selective and sensitive â€œturn-onâ€•fluorescent probe of Cu2+ by p-dimethylaminobenzamide-based derivative and its bioimaging in living cells. Sensors and Actuators B: Chemical, 2016, 232, 673-679.	4.0	43
29	Interaction of ICT receptor with serum albumins in aqueous buffer. Chemical Physics Letters, 2006, 424, 387-393.	1.2	41
30	Colorimetric detection of Cr3+ using gold nanoparticles functionalized with 4-amino hippuric acid. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	41
31	Polydopamine-based molecularly imprinting polymers on magnetic nanoparticles for recognition and enrichment of ochratoxins prior to their determination by HPLC. Mikrochimica Acta, 2018, 185, 300.	2.5	41
32	Colorimetric determination of aluminum(III) based on the aggregation of Schiff base-functionalized gold nanoparticles. Mikrochimica Acta, 2016, 183, 863-869.	2.5	40
33	Ultrasensitive turn-on fluorescent detection of trace thiocyanate based on fluorescence resonance energy transfer. Talanta, 2015, 132, 619-624.	2.9	38
34	A novel jointly colorimetric and fluorescent sensor for Cu2+ recognition and its complex for sensing S2â˜ by a Cu2+ displacement approach in aqueous media. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 204, 568-575.	2.0	38
35	Toward selective, sensitive, and discriminative detection of Hg²⁺ and Cd²⁺via pH-modulated surface chemistry of glutathione-capped gold nanoclusters. Analyst, The, 2015, 140, 7313-7321.	1.7	37
36	A novel colorimetric aptasensor for detection of chloramphenicol based on lanthanum ionâ€“assisted gold nanoparticle aggregation and smartphone imaging. Analytical and Bioanalytical Chemistry, 2019, 411, 7511-7518.	1.9	37

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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). Mikrochimica Acta, 2016, 183, 773-780.	2.5	35
38	Polydopamine molecularly imprinted polymer coated on a biomimetic iron-based metalâ€“organic framework for highly selective fluorescence detection of metronidazole. Talanta, 2021, 232, 122411.	2.9	35
39	Dual-Emission Carbon Dots for Ratiometric Fluorescent Water Sensing, Relative Humidity Sensing, and Anticounterfeiting Applications. ACS Applied Nano Materials, 2021, 4, 10674-10681.	2.4	34
40	Highly selective colorimetric assay for nickel ion using N-acetyl-l-cysteine-functionalized silver nanoparticles. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	33
41	Visual test for melamine using silver nanoparticles modified with chromotropic acid. Mikrochimica Acta, 2014, 181, 1267-1274.	2.5	33
42	Colorimetric detection of tyrosinase during the synthesis of kojic acid/silver nanoparticles under illumination. Sensors and Actuators B: Chemical, 2017, 251, 836-841.	4.0	32
43	Ratiometric fluorescent detection of phosphate in human serum with functionalized gold nanoclusters based on chelation-enhanced fluorescence. Sensors and Actuators B: Chemical, 2019, 298, 126891.	4.0	30
44	An excited-state intramolecular proton transfer (ESIPT)-based aggregation-induced emission active probe and its Cu(II) complex for fluorescence detection of cysteine. Sensors and Actuators B: Chemical, 2019, 294, 69-77.	4.0	30
45	Concentration-dependent photoluminescence carbon dots for visual recognition and detection of three tetracyclines. Analytical and Bioanalytical Chemistry, 2021, 413, 2565-2575.	1.9	28
46	Highly selective and sensitive detection of heparin based on competition-modulated assembly and disassembly of fluorescent gold nanoclusters. New Journal of Chemistry, 2017, 41, 717-723.	1.4	26
47	A highly sensitive fluorescent probe with different responses to Cu2+ and Zn2+. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 214, 233-238.	2.0	26
48	A Highly Sensitive and Selective Fluorescent Chemodosimeter for Hg2+ in Neutral Aqueous Solution. Journal of Fluorescence, 2007, 17, 460-465.	1.3	25
49	Colorimetric detection of Cd2+ using 1-amino-2-naphthol-4-sulfonic acid functionalized silver nanoparticles. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	25
50	Highly sensitive spectrofluorimetric determination of cysteine by Cu2+-morin complex. Mikrochimica Acta, 2008, 162, 147-152.	2.5	24
51	Functionalized manganese-doped zinc sulfide quantum dot-based fluorescent probe for zinc ion. Mikrochimica Acta, 2012, 177, 333-339.	2.5	24
52	Silver nanoparticles modified with sulfanilic acid for one-step colorimetric and visual determination of histidine in serum. Mikrochimica Acta, 2016, 183, 1865-1872.	2.5	24
53	Highly selective and sensitive detection of glutathione based on anti-aggregation of gold nanoparticles via pH regulation. Sensors and Actuators B: Chemical, 2017, 240, 553-559.	4.0	24
54	Spectroscopic Determination of Cysteine with Alizarin Red S and Copper. Spectroscopy Letters, 2008, 41, 393-398.	0.5	23

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55	Tuning the excited-state intramolecular proton transfer (ESIPT)-based luminescence of metalâ€“organic frameworks by metal nodes toward versatile photoluminescent applications. Dalton Transactions, 2021, 50, 6901-6912.	1.6	22
56	A novel colorimetric sensor of dihydrogen-phosphate based on metal complex between 8-hydroxy quinoline-5-azo-4â€²-nitrobenzene and cobalt. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 65, 925-929.	2.0	20
57	Spectroscopic investigation of the interaction between thiourea-zinc complex and serum albumin. Journal of Luminescence, 2010, 130, 1280-1284.	1.5	20
58	Silver nanoparticles capped with 8-hydroxyquinoline-5-sulfonate for the determination of trace aluminum in water samples and for intracellular fluorescence imaging. Mikrochimica Acta, 2013, 180, 1317-1324.	2.5	20
59	Visualization and quantification of Hg2+ based on anti-aggregation of label-free gold nanoparticles in the presence of 2-mercaptobenzothiazole. Sensors and Actuators B: Chemical, 2016, 233, 223-229.	4.0	18
60	Cu²⁺-Mediated turn-on fluorescence assay for sulfide ions using glutathione-protected gold nanoclusters: enhanced sensitivity, good reusability, and cell imaging. New Journal of Chemistry, 2017, 41, 12930-12936.	1.4	17
61	A â€œturn-onâ€•fluorescent probe based on BODIPY dyes for highly selective detection of fluoride ions. Dyes and Pigments, 2021, 190, 109347.	2.0	16
62	Specific pH effect for selective colorimetric assay of glutathione using anti-aggregation of label-free gold nanoparticles. RSC Advances, 2017, 7, 13426-13432.	1.7	14
63	Highly selective colorimetric detection of Ni2+ using silver nanoparticles cofunctionalized with adenosine monophosphate and sodium dodecyl sulfonate. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	14
64	Histamine-responsive dye-incorporated carbon dots for visual monitoring of food spoilage. Sensors and Actuators B: Chemical, 2022, 365, 131911.	4.0	14
65	Colorimetric and fluorometric aggregation-based heparin assay by using gold nanoclusters and gold nanoparticles. Mikrochimica Acta, 2019, 186, 790.	2.5	12
66	A label-free luminescent assay for tyrosinase activity monitoring and inhibitor screening with responsive lanthanide coordination polymer nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117751.	2.0	12
67	A Ratiometric Fluorescence Sensor for Zinc in Neutral Solution Based on Thiourea Receptor. Chemistry Letters, 2006, 35, 950-951.	0.7	11
68	A dual colorimetric and fluorescent sensor for lead ion based on naphthalene hydrazone derivative. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 109, 221-225.	2.0	11
69	A ditopic colorimetric sensor for fluoride ion based on thiourea mercury complex. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 71, 814-817.	2.0	10
70	Colorimetric determination of tyrosinase based on in situ silver metallization catalyzed by gold nanoparticles. Mikrochimica Acta, 2020, 187, 551.	2.5	9
71	2,5-di-[2-(3,5-bis(2-pyridylmethyl)amine -4-hydroxy-phenyl) ethylene] pyrazine zinc complex as fluorescent probe for labeling proteins. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 70, 1127-1133.	2.0	8
72	Self-assembled diblock conjugated polyelectrolytes as electron transport layers for organic photovoltaics. RSC Advances, 2017, 7, 24345-24352.	1.7	8

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73	Ultrasensitive turn-on fluorescence detection of Cu2+ based on p-dimethylaminobenzamide derivative and the application to cell imaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 264-269.	2.0	8
74	Colorimetric determination of cytosine-rich ssDNA by silver(I)-modulated glucose oxidase-catalyzed growth of gold nanoparticles. Mikrochimica Acta, 2019, 186, 467.	2.5	8
75	Visualizing the degradation of nerve agent simulants using functionalized Zr-based MOFs: from solution to hydrogels. Chemical Communications, 2021, 57, 11681-11684.	2.2	8
76	Colorimetric detection of melamine based on p-chlorobenzenesulfonic acid-modified AuNPs. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	7
77	Fe3O4 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. Food Analytical Methods, 2017, 10, 3119-3127.	1.3	7
78	Cetylpyridinium chloride functionalized silicaâ€coated magnetite microspheres for the solidâ€phase extraction and preâ€concentration of ochratoxin A from environmental water samples with highâ€performance liquid chromatographic analysis. Journal of Separation Science, 2017, 40, 2431-2437.	1.3	6
79	A novel light-controlled colorimetric detection assay for nitroreductase based onp-aminophenol-catalyzed and NADH-mediated synthesis of silver nanoparticles. Analytical Methods, 2021, 13, 2223-2228.	1.3	6
80	A Galactosidase-Activatable Fluorescent Probe for Detection of Bacteria Based on BODIPY. Molecules, 2021, 26, 6072.	1.7	6
81	Colorimetric determination of acid phosphatase activity and inhibitor screening based on in situ polymerization of aniline catalyzed by gold nanoparticles. Mikrochimica Acta, 2021, 188, 155.	2.5	5
82	Highly Specific and Rapid Colorimetric Detection of Tetracycline in Pills and Milk Based on Aptamer-Controlled Aggregation of Silver Nanoparticles. Chemistry Africa, 2022, 5, 107-114.	1.2	5
83	Smartphone colorimetric assay of acid phosphatase based on a controlled iodine-mediated etching of gold nanorods. Analytical and Bioanalytical Chemistry, 2020, 412, 8051-8059.	1.9	4
84	Rapid visual detection for nitroreductase based on the copper ions-induced and NADH-mediated aggregation of gold-silver alloy nanoparticles. Talanta, 2021, 234, 122681.	2.9	4
85	Colorimetric determination of tetracyclines based on aptamer-mediated dual regulation of gold nanoparticle aggregation and in situ silver metallization. Analytical Methods, 2022, 14, 1803-1809.	1.3	4
86	Colorimetric Assay for Al3+ Based on Alizarin Red S-functionalized Silver Nanoparticles. Australian Journal of Chemistry, 2014, 67, 1700.	0.5	3
87	Facile Synthesis of Dopamine-based Magnetic Molecularly Imprinted Polymers for Selective Recognition and Enrichment of Aflatoxin B in Food Matrices before HPLC Analysis. Chemistry Letters, 2022, 51, 919-923.	0.7	0