

Xiaoling Wu

List of Publications by Year in descending order

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96
papers

4,417
citations

136885

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114418

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all docs

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docs citations

99
times ranked

4732
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual-Mode Ultrasensitive Quantification of MicroRNA in Living Cells by Chiroplasmonic Nanopyramids Self-Assembled from Gold and Upconversion Nanoparticles. <i>Journal of the American Chemical Society</i> , 2016, 138, 306-312.	6.6	399
2	Unexpected Chirality of Nanoparticle Dimers and Ultrasensitive Chiroplasmonic Bioanalysis. <i>Journal of the American Chemical Society</i> , 2013, 135, 18629-18636.	6.6	274
3	Enantiomer-dependent immunological response to chiral nanoparticles. <i>Nature</i> , 2022, 601, 366-373.	13.7	243
4	Hierarchical Plasmonic Nanorods and Upconversion Core@Satellite Nanoassemblies for Multimodal Imaging-Guided Combination Phototherapy. <i>Advanced Materials</i> , 2016, 28, 898-904.	11.1	240
5	A SERS-active sensor based on heterogeneous gold nanostar core@silver nanoparticle satellite assemblies for ultrasensitive detection of aflatoxin B1. <i>Nanoscale</i> , 2016, 8, 1873-1878.	2.8	139
6	Chiral Core@Shell Upconversion Nanoparticle@MOF Nanoassemblies for Quantification and Bioimaging of Reactive Oxygen Species <i>in Vivo</i> . <i>Journal of the American Chemical Society</i> , 2019, 141, 19373-19378.	6.6	139
7	Propeller-Like Nanorod@Upconversion Nanoparticle Assemblies with Intense Chiroptical Activity and Luminescence Enhancement in Aqueous Phase. <i>Advanced Materials</i> , 2016, 28, 5907-5915.	11.1	132
8	Unusual Circularly Polarized Photocatalytic Activity in Nanogapped Gold@Silver Chiroplasmonic Nanostructures. <i>Advanced Functional Materials</i> , 2015, 25, 5816-5822.	7.8	117
9	Environmentally responsive plasmonic nanoassemblies for biosensing. <i>Chemical Society Reviews</i> , 2018, 47, 4677-4696.	18.7	116
10	Multigaps Embedded Nanoassemblies Enhance In Situ Raman Spectroscopy for Intracellular Telomerase Activity Sensing. <i>Advanced Functional Materials</i> , 2016, 26, 1602-1608.	7.8	115
11	Hybrid Nanoparticle Pyramids for Intracellular Dual MicroRNAs Biosensing and Bioimaging. <i>Advanced Materials</i> , 2017, 29, 1606086.	11.1	105
12	Tuning the interactions between chiral plasmonic films and living cells. <i>Nature Communications</i> , 2017, 8, 2007.	5.8	102
13	A Singlet Oxygen Generating Agent by Chirality-Dependent Plasmonic Shell@Satellite Nanoassembly. <i>Advanced Materials</i> , 2017, 29, 1606864.	11.1	101
14	Gold@Quantum Dot Core@Satellite Assemblies for Lighting Up MicroRNA In Vitro and In Vivo. <i>Small</i> , 2016, 12, 4662-4668.	5.2	90
15	Polarization-sensitive optoionic membranes from chiral plasmonic nanoparticles. <i>Nature Nanotechnology</i> , 2022, 17, 408-416.	15.6	83
16	Quantitative zeptomolar imaging of miRNA cancer markers with nanoparticle assemblies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3391-3400.	3.3	82
17	SERS- and luminescence-active Au@Au@UCNP trimers for attomolar detection of two cancer biomarkers. <i>Nanoscale</i> , 2017, 9, 3865-3872.	2.8	78
18	Gold Nanoparticle-Based Paper Sensor for Simultaneous Detection of 11 Benzimidazoles by One Monoclonal Antibody. <i>Small</i> , 2018, 14, 1701782.	5.2	73

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19	Ultrasensitive and eco-friendly immunoassays based monoclonal antibody for detection of deoxynivalenol in cereal and feed samples. <i>Food Chemistry</i> , 2019, 270, 130-137.	4.2	71
20	Gold Core@DNA@Silver Shell Nanoparticles with Intense Plasmonic Chiroptical Activities. <i>Advanced Functional Materials</i> , 2015, 25, 850-854.	7.8	70
21	Ultrasensitive Detection of Prostate-Specific Antigen and Thrombin Based on Gold@Upconversion Nanoparticle Assembled Pyramids. <i>Small</i> , 2017, 13, 1603944.	5.2	70
22	Rapid and sensitive detection of diclazuril in chicken samples using a gold nanoparticle-based lateral-flow strip. <i>Food Chemistry</i> , 2020, 312, 126116.	4.2	70
23	Building SERS-active heteroassemblies for ultrasensitive Bisphenol A detection. <i>Biosensors and Bioelectronics</i> , 2016, 81, 138-142.	5.3	69
24	Au@gap@AuAg Nanorod Side-by-Side Assemblies for Ultrasensitive SERS Detection of Mercury and its Transformation. <i>Small</i> , 2019, 15, e1901958.	5.2	62
25	A colorimetric paper-based sensor for toltrazuril and its metabolites in feed, chicken, and egg samples. <i>Food Chemistry</i> , 2019, 276, 707-713.	4.2	62
26	Chiral Cu _x OS@ZIF-8 Nanostructures for Ultrasensitive Quantification of Hydrogen Sulfide In Vivo. <i>Advanced Materials</i> , 2020, 32, e1906580.	11.1	59
27	Ultrasensitive SERS detection of VEGF based on a self-assembled Ag ornamented@AU pyramid superstructure. <i>Biosensors and Bioelectronics</i> , 2015, 68, 593-597.	5.3	57
28	Scissor-Like Chiral Metamolecules for Probing Intracellular Telomerase Activity. <i>Advanced Functional Materials</i> , 2016, 26, 7352-7358.	7.8	51
29	Paper supported immunosensor for detection of antibiotics. <i>Biosensors and Bioelectronics</i> , 2012, 33, 309-312.	5.3	47
30	DNA-Driven Two-Layer Core-Satellite Gold Nanostructures for Ultrasensitive MicroRNA Detection in Living Cells. <i>Small</i> , 2020, 16, e2000003.	5.2	47
31	A self-assembled chiral-aptasensor for ATP activity detection. <i>Nanoscale</i> , 2016, 8, 15008-15015.	2.8	40
32	Chiral AuCuAu Heterogeneous Nanorods with Tailored Optical Activity. <i>Advanced Functional Materials</i> , 2020, 30, 2000670.	7.8	36
33	Tetrahedron Probes for Ultrasensitive <i>In Situ</i> Detection of Telomerase and Surface Glycoprotein Activity in Living Cells. <i>Analytical Chemistry</i> , 2020, 92, 2310-2315.	3.2	35
34	Potential Environmental Health Risk Analysis of Neonicotinoids and a Synergist. <i>Environmental Science & Technology</i> , 2021, 55, 7541-7550.	4.6	34
35	SERS-active silver nanoparticle trimers for sub-attomolar detection of alpha fetoprotein. <i>RSC Advances</i> , 2015, 5, 73395-73398.	1.7	33
36	Building heterogeneous core-satellite chiral assemblies for ultrasensitive toxin detection. <i>Biosensors and Bioelectronics</i> , 2015, 66, 554-558.	5.3	32

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37	Development of a sandwich ELISA and immunochromatographic strip for the detection of shrimp tropomyosin. <i>Food and Agricultural Immunology</i> , 2019, 30, 606-619.	0.7	30
38	Development of monoclonal antibody-based colloidal gold immunochromatographic assay for analysis of halofuginone in milk. <i>Food and Agricultural Immunology</i> , 2019, 30, 112-122.	0.7	30
39	An immunochromatographic strip sensor for sildenafil and its analogues. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6383-6389.	2.9	30
40	Monoclonal antibody-based cross-reactive sandwich ELISA for the detection of <i>Salmonella</i> spp. in milk samples. <i>Analytical Methods</i> , 2015, 7, 9047-9053.	1.3	29
41	Rapid detection of praziquantel using monoclonal antibody-based ic-ELISA and immunochromatographic strips. <i>Food and Agricultural Immunology</i> , 2019, 30, 913-923.	0.7	26
42	Peptide Mediated Chiral Inorganic Nanomaterials for Combating Gram-Negative Bacteria. <i>Advanced Functional Materials</i> , 2018, 28, 1805112.	7.8	25
43	Gold immunochromatographic assay for kitasamycin and josamycin residues screening in milk and egg samples. <i>Food and Agricultural Immunology</i> , 2019, 30, 1189-1201.	0.7	25
44	IC-ELISA and immunochromatographic strip assay based monoclonal antibody for the rapid detection of bisphenol S. <i>Food and Agricultural Immunology</i> , 2019, 30, 633-646.	0.7	24
45	Profiling and Identification of Biocatalyzed Transformation of Sulfoxaflor In Vivo. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16218-16224.	7.2	24
46	Preparation of an anti-thiamethoxam monoclonal antibody for development of an indirect competitive enzyme-linked immunosorbent assay and a colloidal gold immunoassay. <i>Food and Agricultural Immunology</i> , 2018, 29, 1173-1183.	0.7	23
47	Development of immunocolloidal strip for rapid detection of pyrimethanil. <i>Food and Agricultural Immunology</i> , 2019, 30, 1239-1252.	0.7	23
48	Up-conversion fluorescence "off-on" switch based on heterogeneous core-satellite assembly for thrombin detection. <i>Biosensors and Bioelectronics</i> , 2015, 70, 372-375.	5.3	22
49	Development of a fluorescent immunoassay strip for the rapid quantitative detection of cadmium in rice. <i>Food and Agricultural Immunology</i> , 2020, 31, 501-512.	0.7	22
50	Development of an immunochromatographic strip test for rapid detection of sodium nifurstyrenate in fish. <i>Food and Agricultural Immunology</i> , 2019, 30, 236-247.	0.7	21
51	SERS-active Au NR oligomer sensor for ultrasensitive detection of mercury ions. <i>RSC Advances</i> , 2015, 5, 81802-81807.	1.7	20
52	Development of a colloidal gold immunoassay for the detection of four eugenol compounds in water. <i>Food and Agricultural Immunology</i> , 2019, 30, 1318-1331.	0.7	19
53	A multiplex lateral flow immunochromatography assay for the quantitative detection of pyraclostrobin, myclobutanil, and kresoxim-methyl residues in wheat. <i>Food Chemistry</i> , 2022, 377, 131964.	4.2	18
54	Development of an immunochromatography assay for salinomycin and methyl salinomycin in honey. <i>Food and Agricultural Immunology</i> , 2019, 30, 995-1006.	0.7	17

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55	Rapid detection of tenuazonic acid in cereal and fruit juice using a lateral-flow immunochromatographic assay strip. <i>Food and Agricultural Immunology</i> , 2017, 28, 1293-1303.	0.7	16
56	Chromagnetic Plasmonic Nanoassemblies with Magnetic Field Modulated Chiral Activity. <i>Small</i> , 2020, 16, e1905734.	5.2	16
57	Detection of aminophylline in serum using an immunochromatographic strip test. <i>Food and Agricultural Immunology</i> , 2020, 31, 33-44.	0.7	16
58	Development of an ic-ELISA and Immunochromatographic Strip Assay for the Detection of Diacetoxyscirpenol in Rice. <i>ACS Omega</i> , 2020, 5, 17876-17882.	1.6	16
59	Development of a gold nanoparticle-based lateral-flow strip for the detection of dinitolmide in chicken tissue. <i>Analytical Methods</i> , 2020, 12, 3210-3217.	1.3	16
60	Colloidal Gold Immunochromatographic Assay for Rapid Detection of Carbadox and Cyadox in Chicken Breast. <i>ACS Omega</i> , 2020, 5, 1422-1429.	1.6	16
61	A colloidal gold immunochromatography test strip based on a monoclonal antibody for the rapid detection of triadimefon and triadimenol in foods. <i>Food and Agricultural Immunology</i> , 2020, 31, 475-488.	0.7	16
62	A Simple, Sensitive, Rapid and Specific Detection Method for Bisphenol A based on Fluorescence Polarization Immunoassay. <i>Immunological Investigations</i> , 2012, 41, 38-50.	1.0	15
63	Development of an immunochromatographic strip assay based on a monoclonal antibody for detection of cimaterol. <i>Food and Agricultural Immunology</i> , 2019, 30, 1162-1173.	0.7	15
64	Development of a gold immunochromatographic strip for the rapid detection of 3-amino-5-morpholinomethyl-2-oxazolidinone (AMOZ) in catfish. <i>Food and Agricultural Immunology</i> , 2020, 31, 751-763.	0.7	15
65	A fluorescence active gold nanorod@quantum dot core@satellite nanostructure for sub-attomolar tumor marker biosensing. <i>RSC Advances</i> , 2015, 5, 97898-97902.	1.7	14
66	Porous Cu _x Co _y S Supraparticles for In Vivo Telomerase Imaging and Reactive Oxygen Species Generation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 19067-19072.	7.2	14
67	Development of ic-ELISA and an immunochromatographic strip assay for the detection of aristolochic acid in... <i>Food and Agricultural Immunology</i> , 2019, 30, 140-149.	0.7	14
68	Detection of triclabendazole and three metabolites in bovine muscle samples with a gold nanoparticle-based lateral flow immunoassay. <i>Analytical Methods</i> , 2019, 11, 5478-5486.	1.3	14
69	A colloidal gold immunochromatography test strip based on a monoclonal antibody for the rapid detection of triadimefon and triadimenol in foods. <i>Food and Agricultural Immunology</i> , 2020, 31, 447-462.	0.7	14
70	Metabolic profile of chiral cobalt oxide nanoparticles in vitro and in vivo. <i>Nano Research</i> , 2021, 14, 2451-2455.	5.8	13
71	Development of a fluorescent quantification strip assay for the detection of lead. <i>Food and Agricultural Immunology</i> , 2020, 31, 642-652.	0.7	12
72	Development of an antibody-based colloidal gold immunochromatographic lateral flow strip test for natamycin in milk and yoghurt samples. <i>Food and Agricultural Immunology</i> , 2017, 28, 1283-1292.	0.7	11

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73	A sensitive lateral flow immunoassay for the multiple residues of five adamantanes. <i>Food and Agricultural Immunology</i> , 2019, 30, 647-661.	0.7	11
74	Colloidal Gold Immunochromatographic Strip Assay for the Detection of Azaperone in Pork and Pork Liver. <i>ACS Omega</i> , 2020, 5, 1346-1351.	1.6	11
75	Development of sandwich ELISA and immunochromatographic strip methods for the detection of <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> . <i>Analytical Methods</i> , 2015, 7, 6190-6197.	1.3	10
76	Preparation of an anti-4,4-dinitrocarbanilide monoclonal antibody and its application in an immunochromatographic assay for anticoccidial drugs. <i>Food and Agricultural Immunology</i> , 2018, 29, 1162-1172.	0.7	10
77	Development of an ic-ELISA and an immunochromatographic strip assay for the detection of aconitine. <i>Food and Agricultural Immunology</i> , 2020, 31, 243-254.	0.7	10
78	Development of a gold nanoparticle-based strip assay for detection of clopidol in the chicken. <i>Food and Agricultural Immunology</i> , 2020, 31, 489-500.	0.7	10
79	Sex-Dependent Environmental Health Risk Analysis of Flupyradifurone. <i>Environmental Science & Technology</i> , 2022, 56, 1841-1853.	4.6	10
80	Ultrasensitive anti-melamine monoclonal antibody and its use in the development of an immunochromatographic strip. <i>Food and Agricultural Immunology</i> , 2019, 30, 462-474.	0.7	9
81	Gold Immunochromatographic Assay for Rapid On-Site Detection of Lincosamide Residues in Milk, Egg, Beef, and Honey Samples. <i>Biotechnology Journal</i> , 2020, 15, 1900174.	1.8	9
82	Self-limiting self-assembly of supraparticles for potential biological applications. <i>Nanoscale</i> , 2021, 13, 2302-2311.	2.8	8
83	Ultrasensitive immunochromatographic strips for fast screening of the nicarbazin marker in chicken breast and liver samples based on monoclonal antibodies. <i>Analytical Methods</i> , 2020, 12, 2143-2151.	1.3	7
84	Rapid immunochromatographic test strip detection of mabuterol and its cross-reactivity with mapenterol. <i>Food and Agricultural Immunology</i> , 2018, 29, 1028-1040.	0.7	6
85	Development of an immunochromatographic strip for the detection of rosiglitazone in functional foods based on monoclonal antibodies. <i>Analytical Methods</i> , 2019, 11, 4910-4916.	1.3	6
86	An Ultrasensitive Electrochemical Immunosensor for Nonylphenol Leachate from Instant Noodle Containers in Southeast Asia. <i>Chemistry - A European Journal</i> , 2019, 25, 7023-7030.	1.7	6
87	Biosensors: SERS Encoded Silver Pyramids for Attomolar Detection of Multiplexed Disease Biomarkers (<i>Adv. Mater.</i> 10/2015). <i>Advanced Materials</i> , 2015, 27, 1799-1799.	11.1	5
88	An ic-ELISA and immunochromatographic strip assay for the detection of 2,4-dichlorophenoxyacetic acid in bean sprouts and cabbage. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 209, 114524.	1.4	5
89	Phototherapy: Hierarchical Plasmonic Nanorods and Upconversion Core-Satellite Nanoassemblies for Multimodal Imaging-Guided Combination Phototherapy (<i>Adv. Mater.</i> 5/2016). <i>Advanced Materials</i> , 2016, 28, 897-897.	11.1	4
90	Gold nanoparticle-based lateral flow strips for rapid and sensitive detection of Virginiamycin M1. <i>Food and Agricultural Immunology</i> , 2020, 31, 764-777.	0.7	4

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91	Profiles of Sterigmatocystin and Its Metabolites during Traditional Chinese Rice Wine Processing. Biosensors, 2022, 12, 212.	2.3	3
92	Nanoparticles: Gold Core-DNA-Silver Shell Nanoparticles with Intense Plasmonic Chiroptical Activities (Adv. Funct. Mater. 6/2015). Advanced Functional Materials, 2015, 25, 987-987.	7.8	2
93	Porous Cu x Co y S Supraparticles for In vivo Telomerase Imaging and Reactive Oxygen Species Generation. Angewandte Chemie, 2019, 131, 19243-19248.	1.6	2
94	Photodynamic Therapy: A Singlet Oxygen Generating Agent by Chirality-dependent Plasmonic Shell-Satellite Nanoassembly (Adv. Mater. 18/2017). Advanced Materials, 2017, 29, .	11.1	1
95	Development, optimization and validation of modified QuEChERS based UPLC-MS/MS for simultaneous determination of nine steroid hormones in milk powder and milk. New Journal of Chemistry, 2022, 46, 14597-14604.	1.4	1
96	Profiling and Identification of Biocatalyzed Transformation of Sulfoxaflor In Vivo. Angewandte Chemie, 2020, 132, 16352-16358.	1.6	0