

Liguang Xu

List of Publications by Year in descending order

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184
papers

10,432
citations

26610

56
h-index

39638

94
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192
all docs

192
docs citations

192
times ranked

9150
citing authors

#	ARTICLE	IF	CITATIONS
1	Chiral Inorganic Nanostructures. <i>Chemical Reviews</i> , 2017, 117, 8041-8093.	23.0	656
2	Attomolar DNA detection with chiral nanorod assemblies. <i>Nature Communications</i> , 2013, 4, 2689.	5.8	443
3	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
4	SERS Encoded Silver Pyramids for Attomolar Detection of Multiplexed Disease Biomarkers. <i>Advanced Materials</i> , 2015, 27, 1706-1711.	11.1	276
5	Chiral Molecule-mediated Porous Cu ₂ O Nanoparticle Clusters with Antioxidation Activity for Ameliorating Parkinson's Disease. <i>Journal of the American Chemical Society</i> , 2019, 141, 1091-1099.	6.6	264
6	Dual Quantification of MicroRNAs and Telomerase in Living Cells. <i>Journal of the American Chemical Society</i> , 2017, 139, 11752-11759.	6.6	262
7	Regiospecific Plasmonic Assemblies for <i>In Situ</i> Raman Spectroscopy in Live Cells. <i>Journal of the American Chemical Society</i> , 2012, 134, 1699-1709.	6.6	259
8	Enantiomer-dependent immunological response to chiral nanoparticles. <i>Nature</i> , 2022, 601, 366-373.	13.7	243
9	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
10	Nanoparticle assemblies: dimensional transformation of nanomaterials and scalability. <i>Chemical Society Reviews</i> , 2013, 42, 3114.	18.7	216
11	Site-selective photoinduced cleavage and profiling of DNA by chiral semiconductor nanoparticles. <i>Nature Chemistry</i> , 2018, 10, 821-830.	6.6	189
12	SERS-active Au@Ag nanorod dimers for ultrasensitive dopamine detection. <i>Biosensors and Bioelectronics</i> , 2015, 71, 7-12.	5.3	186
13	Building An Aptamer/Graphene Oxide FRET Biosensor for One-Step Detection of Bisphenol A. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7492-7496.	4.0	145
14	A SERS-active sensor based on heterogeneous gold nanostar core-silver nanoparticle satellite assemblies for ultrasensitive detection of aflatoxinB1. <i>Nanoscale</i> , 2016, 8, 1873-1878.	2.8	139
15	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
16	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
17	MicroRNA-Directed Intracellular Self-Assembly of Chiral Nanorod Dimers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10544-10548.	7.2	127
18	A Chiral Nanoassemblies-Enabled Strategy for Simultaneously Profiling Surface Glycoprotein and MicroRNA in Living Cells. <i>Advanced Materials</i> , 2017, 29, 1703410.	11.1	119

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19	Unusual Circularly Polarized Photocatalytic Activity in Nanogapped Gold-Silver Chiroplasmonic Nanostructures. <i>Advanced Functional Materials</i> , 2015, 25, 5816-5822.	7.8	117
20	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
21	Ultrasensitive SERS detection of mercury based on the assembled gold nanochains. <i>Biosensors and Bioelectronics</i> , 2015, 67, 472-476.	5.3	112
22	Hybrid Nanoparticle Pyramids for Intracellular Dual MicroRNAs Biosensing and Bioimaging. <i>Advanced Materials</i> , 2017, 29, 1606086.	11.1	105
23	Tuning the interactions between chiral plasmonic films and living cells. <i>Nature Communications</i> , 2017, 8, 2007.	5.8	102
24	Chirality-Based Biosensors. <i>Advanced Functional Materials</i> , 2019, 29, 1805512.	7.8	102
25	Triple Raman Label-Encoded Gold Nanoparticle Trimers for Simultaneous Heavy Metal Ion Detection. <i>Small</i> , 2015, 11, 3435-3439.	5.2	100
26	Artificial Chiral Probes and Bioapplications. <i>Advanced Materials</i> , 2020, 32, e1802075.	11.1	99
27	Stimulation of neural stem cell differentiation by circularly polarized light transduced by chiral nanoassemblies. <i>Nature Biomedical Engineering</i> , 2021, 5, 103-113.	11.6	98
28	Gold nanorod assembly based approach to toxin detection by SERS. <i>Journal of Materials Chemistry</i> , 2012, 22, 2387-2391.	6.7	97
29	Gold nanoparticle-based paper sensor for ultrasensitive and multiple detection of 32 (fluoro)quinolones by one monoclonal antibody. <i>Nano Research</i> , 2017, 10, 108-120.	5.8	97
30	Intracellular localization of nanoparticle dimers by chirality reversal. <i>Nature Communications</i> , 2017, 8, 1847.	5.8	93
31	Single- and multi-component chiral supraparticles as modular enantioselective catalysts. <i>Nature Communications</i> , 2019, 10, 4826.	5.8	93
32	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
33	Circular Polarized Light Activated Chiral Satellite Nanoprobes for the Imaging and Analysis of Multiple Metal Ions in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3913-3917.	7.2	87
34	Light-Induced Chiral Iron Copper Selenide Nanoparticles Prevent Amyloidopathy In Vivo. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7131-7138.	7.2	85
35	Chirality-based Au@Ag Nanorod Dimers Sensor for Ultrasensitive PSA Detection. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 12708-12712.	4.0	83
36	Polarization-sensitive optoionic membranes from chiral plasmonic nanoparticles. <i>Nature Nanotechnology</i> , 2022, 17, 408-416.	15.6	83

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37	Chiral Semiconductor Nanoparticles for Protein Catalysis and Profiling. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7371-7374.	7.2	82
38	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
39	Preparation and evaluation of superparamagnetic surface molecularly imprinted polymer nanoparticles for selective extraction of bisphenol A in packed food. <i>Analytical Methods</i> , 2011, 3, 1737.	1.3	80
40	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
41	Chirality on Hierarchical Self-Assembly of Au@AuAg Yolk@Shell Nanorods into Core@Satellite Superstructures for Biosensing in Human Cells. <i>Advanced Functional Materials</i> , 2018, 28, 1802372.	7.8	75
42	Gold immunochromatographic sensor for the rapid detection of twenty-six sulfonamides in foods. <i>Nano Research</i> , 2017, 10, 2833-2844.	5.8	71
43	Gold Core@DNA@Silver Shell Nanoparticles with Intense Plasmonic Chiroptical Activities. <i>Advanced Functional Materials</i> , 2015, 25, 850-854.	7.8	70
44	Ultrasensitive Detection of Prostate-Specific Antigen and Thrombin Based on Gold-Upconversion Nanoparticle Assembled Pyramids. <i>Small</i> , 2017, 13, 1603944.	5.2	70
45	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
46	Building SERS-active heteroassemblies for ultrasensitive Bisphenol A detection. <i>Biosensors and Bioelectronics</i> , 2016, 81, 138-142.	5.3	69
47	Chiral Plasmonic Triangular Nanorings with SERS Activity for Ultrasensitive Detection of Amyloid Proteins in Alzheimer's Disease. <i>Advanced Materials</i> , 2021, 33, e2102337.	11.1	68
48	Direct observation of selective autophagy induction in cells and tissues by self-assembled chiral nanodevice. <i>Nature Communications</i> , 2018, 9, 4494.	5.8	67
49	Tailoring Chiroptical Activity of Iron Disulfide Quantum Dot Hydrogels with Circularly Polarized Light. <i>Advanced Materials</i> , 2019, 31, e1903200.	11.1	65
50	Spiny Nanorod and Upconversion Nanoparticle Satellite Assemblies for Ultrasensitive Detection of Messenger RNA in Living Cells. <i>Analytical Chemistry</i> , 2018, 90, 5414-5421.	3.2	64
51	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
52	Highly selective recognition and ultrasensitive quantification of enantiomers. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4478.	2.9	60
53	Sensitive Detection of Silver Ions Based on Chiroplasmonic Assemblies of Nanoparticles. <i>Advanced Optical Materials</i> , 2013, 1, 626-630.	3.6	60
54	Gold nanorod ensembles as artificial molecules for applications in sensors. <i>Journal of Materials Chemistry</i> , 2011, 21, 16759.	6.7	59

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55	Biocompatible Cupâ€‘Shaped Nanocrystal with Ultrahigh Photothermal Efficiency as Tumor Therapeutic Agent. <i>Advanced Functional Materials</i> , 2017, 27, 1700605.	7.8	59
56	Chiral Cu _x OS@ZIFâ€‘8 Nanostructures for Ultrasensitive Quantification of Hydrogen Sulfide In Vivo. <i>Advanced Materials</i> , 2020, 32, e1906580.	11.1	59
57	Identification and quantification of eight <i>Listeria monocytogene</i> serotypes from <i>Listeria</i> spp. using a gold nanoparticle-based lateral flow assay. <i>Mikrochimica Acta</i> , 2017, 184, 715-724.	2.5	58
58	Photoactive Hybrid AuNRâ€‘Pt@Ag ₂ S Coreâ€‘Satellite Nanostructures for Nearâ€‘Infrared Quantitative Cell Imaging. <i>Advanced Functional Materials</i> , 2017, 27, 1703408.	7.8	58
59	Spiky Fe ₃ O ₄ @Au Supraparticles for Multimodal In Vivo Imaging. <i>Advanced Functional Materials</i> , 2018, 28, 1800310.	7.8	58
60	Ultrasensitive SERS detection of VEGF based on a self-assembled Ag ornamentedâ€‘AU pyramid superstructure. <i>Biosensors and Bioelectronics</i> , 2015, 68, 593-597.	5.3	57
61	Scissorâ€‘Like Chiral Metamolecules for Probing Intracellular Telomerase Activity. <i>Advanced Functional Materials</i> , 2016, 26, 7352-7358.	7.8	51
62	Tuning of chiral construction, structural diversity, scale transformation and chiroptical applications. <i>Materials Horizons</i> , 2018, 5, 141-161.	6.4	50
63	An NIRâ€‘Responsive DNAâ€‘Mediated Nanotetrahedron Enhances the Clearance of Senescent Cells. <i>Advanced Materials</i> , 2020, 32, e2000184.	11.1	49
64	Goldâ€‘Nanoparticleâ€‘Based Multiplexed Immunochromatographic Strip for Simultaneous Detection of Staphylococcal Enterotoxin A, B, C, D, and E. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 388-395.	1.2	48
65	An Overview for the Nanoparticlesâ€‘Based Quantitative Lateral Flow Assay. <i>Small Methods</i> , 2022, 6, e2101143.	4.6	48
66	Heterostructures of MOFs and Nanorods for Multimodal Imaging. <i>Advanced Functional Materials</i> , 2018, 28, 1805320.	7.8	47
67	Simple, rapid and sensitive detection of antibiotics based on the side-by-side assembly of gold nanorod probes. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4387-4392.	5.3	45
68	Engineering of chiral nanomaterials for biomimetic catalysis. <i>Chemical Science</i> , 2020, 11, 12937-12954.	3.7	45
69	Immunoassays for the rapid detection of pantothenic acid in pharmaceutical and food products. <i>Food Chemistry</i> , 2021, 348, 129114.	4.2	44
70	Production of a monoclonal antibody for the detection of vitamin B ₁ and its use in an indirect enzyme-linked immunosorbent assay and immunochromatographic strip. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1935-1943.	2.9	44
71	Plasmonic Coreâ€‘Satellites Nanostructures with High Chirality and Bioproperty. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2379-2384.	2.1	41
72	Development of sensitive and fast immunoassays for amantadine detection. <i>Food and Agricultural Immunology</i> , 2016, 27, 678-688.	0.7	41

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73	The Development of Chiral Nanoparticles to Target NK Cells and CD8 ⁺ T Cells for Cancer Immunotherapy. <i>Advanced Materials</i> , 2022, 34, e2109354.	11.1	41
74	A self-assembled chiral-aptasensor for ATP activity detection. <i>Nanoscale</i> , 2016, 8, 15008-15015.	2.8	40
75	Rapid quantitative determination of fentanyl in human urine and serum using a gold-based immunochromatographic strip sensor. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8573-8584.	2.9	40
76	Chiral Cu _x Co _y S Nanoparticles under Magnetic Field and NIR Light to Eliminate Senescent Cells. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13915-13922.	7.2	40
77	Ultrasmall Magneto-chiral Cobalt Hydroxide Nanoparticles Enable Dynamic Detection of Reactive Oxygen Species <i>in Vivo</i> . <i>Journal of the American Chemical Society</i> , 2022, 144, 1580-1588.	6.6	39
78	General immunoassay for pyrethroids based on a monoclonal antibody. <i>Food and Agricultural Immunology</i> , 2014, 25, 341-349.	0.7	38
79	Aptamer-Gated Ion Channel for Ultrasensitive Mucin 1 Detection. <i>Analytical Chemistry</i> , 2021, 93, 4825-4831.	3.2	38
80	Gold nanoparticle-based paper sensor for multiple detection of 12 <i>Listeria</i> spp. by P60-mediated monoclonal antibody. <i>Food and Agricultural Immunology</i> , 2017, 28, 274-287.	0.7	37
81	2D Chiroptical Nanostructures for High-Performance Photooxidants. <i>Advanced Functional Materials</i> , 2018, 28, 1707237.	7.8	37
82	Asymmetric and symmetric PCR of gold nanoparticles: A pathway to scaled-up self-assembly with tunable chirality. <i>Journal of Materials Chemistry</i> , 2012, 22, 5574.	6.7	35
83	Development of an ultrasensitive ic-ELISA and immunochromatographic strip assay for the simultaneous detection of florfenicol and thiamphenicol in eggs. <i>Food and Agricultural Immunology</i> , 2018, 29, 254-266.	0.7	35
84	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
85	An immunochromatographic sensor for ultrasensitive and direct detection of histamine in fish. <i>Journal of Hazardous Materials</i> , 2021, 419, 126533.	6.5	35
86	Orientational nanoparticle assemblies and biosensors. <i>Biosensors and Bioelectronics</i> , 2016, 79, 220-236.	5.3	34
87	SERS-active silver nanoparticle trimers for sub-attomolar detection of alpha fetoprotein. <i>RSC Advances</i> , 2015, 5, 73395-73398.	1.7	33
88	Gold nanoparticle-based strip sensor for multiple detection of twelve <i>Salmonella</i> strains with a genus-specific lipopolysaccharide antibody. <i>Science China Materials</i> , 2016, 59, 665-674.	3.5	33
89	Development of an immunochromatographic test strip for the detection of ochratoxin A in red wine. <i>Food and Agricultural Immunology</i> , 2018, 29, 434-444.	0.7	33
90	Development of determination of di-n-octyl phthalate (DOP) residue by an indirect enzyme-linked immunosorbent assay. <i>Food and Agricultural Immunology</i> , 2010, 21, 265-277.	0.7	32

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91	Building heterogeneous core-satellite chiral assemblies for ultrasensitive toxin detection. <i>Biosensors and Bioelectronics</i> , 2015, 66, 554-558.	5.3	32
92	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
93	An immunochromatographic strip sensor for sildenafil and its analogues. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6383-6389.	2.9	30
94	Circularly Polarized Light Triggers Biosensing Based on Chiral Assemblies. <i>Chemistry - A European Journal</i> , 2019, 25, 12235-12240.	1.7	29
95	Mitochondria-Targeting Plasmonic Spiky Nanorods Increase the Elimination of Aging Cells in Vivo. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8698-8705.	7.2	29
96	Chiral Semiconductor Nanoparticles for Protein Catalysis and Profiling. <i>Angewandte Chemie</i> , 2019, 131, 7449-7452.	1.6	28
97	Chiral Self-Assembled Film from Semiconductor Nanorods with Ultra-Strong Circularly Polarized Luminescence. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26276-26280.	7.2	28
98	MRI Biosensor for Lead Detection Based on the DNAzyme-Induced Catalytic Reaction. <i>Journal of Physical Chemistry B</i> , 2013, 117, 14367-14371.	1.2	27
99	An ultrasensitive immunochromatographic assay for non-pretreatment monitoring of chloramphenicol in raw milk. <i>Food and Agricultural Immunology</i> , 2015, 26, 635-644.	0.7	27
100	Chirality at nanoscale for bioscience. <i>Chemical Science</i> , 2022, 13, 3069-3081.	3.7	27
101	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
102	Directing Arrowhead Nanorod Dimers for MicroRNA In Situ Raman Detection in Living Cells. <i>Advanced Functional Materials</i> , 2020, 30, 2001451.	7.8	26
103	Ultrasmall Copper (I) Sulfide Nanoparticles Prevent Hepatitis B Virus Infection. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 13073-13080.	7.2	26
104	Development and application of one-step ELISA for the detection of neomycin in milk. <i>Food and Agricultural Immunology</i> , 2011, 22, 259-269.	0.7	25
105	Peptide Mediated Chiral Inorganic Nanomaterials for Combating Gram-Negative Bacteria. <i>Advanced Functional Materials</i> , 2018, 28, 1805112.	7.8	25
106	Circular Polarized Light Activated Chiral Satellite Nanoprobes for the Imaging and Analysis of Multiple Metal Ions in Living Cells. <i>Angewandte Chemie</i> , 2019, 131, 3953-3957.	1.6	25
107	Development of an immunochromatographic strip for the rapid detection of maduramicin in chicken and egg samples. <i>Food and Agricultural Immunology</i> , 2018, 29, 458-469.	0.7	24
108	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

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109	Development of immunocolloidal strip for rapid detection of pyrimethanil. Food and Agricultural Immunology, 2019, 30, 1239-1252.	0.7	23
110	Recent Progress on Biomaterials Fighting against Viruses. Advanced Materials, 2021, 33, e2005424.	11.1	23
111	Facet-Dependent Biodegradable Mn ₃ O ₄ Nanoparticles for Ameliorating Parkinson's Disease. Advanced Healthcare Materials, 2021, 10, e2101316.	3.9	23
112	Up-conversion fluorescence "off-on" switch based on heterogeneous core-satellite assembly for thrombin detection. Biosensors and Bioelectronics, 2015, 70, 372-375.	5.3	22
113	Development of a lateral flow immunoassay for the detection of total malachite green residues in fish tissues. Food and Agricultural Immunology, 2015, 26, 870-879.	0.7	22
114	MicroRNA-Directed Intracellular Self-Assembly of Chiral Nanorod Dimers. Angewandte Chemie, 2018, 130, 10704-10708.	1.6	22
115	Development of a monoclonal antibody-based immunochromatographic assay for the detection of carbamazepine and carbamazepine-10, 11-epoxide. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1141, 122036.	1.2	22
116	Development of a fluorescent immunoassay strip for the rapid quantitative detection of cadmium in rice. Food and Agricultural Immunology, 2020, 31, 501-512.	0.7	22
117	Improved Reactive Oxygen Species Generation by Chiral Co ₃ O ₄ Supraparticles under Electromagnetic Fields. Angewandte Chemie - International Edition, 2021, 60, 18240-18246.	7.2	22
118	Immunochromatographic assays for ultrasensitive and high specific determination of enrofloxacin in milk, eggs, honey, and chicken meat. Journal of Dairy Science, 2022, 105, 1999-2010.	1.4	22
119	Development of IC-ELISA and immunochromatographic strip assay for the detection of flunixin meglumine in milk. Food and Agricultural Immunology, 2018, 29, 193-203.	0.7	21
120	Rapid colloidal gold immunochromatographic assay for the detection of SARS-CoV-2 total antibodies after vaccination. Journal of Materials Chemistry B, 2022, 10, 1786-1794.	2.9	21
121	SERS-active Au NR oligomer sensor for ultrasensitive detection of mercury ions. RSC Advances, 2015, 5, 81802-81807.	1.7	20
122	Immunochromatographic test strip for the rapid detection of tricaine in fish samples. Food and Agricultural Immunology, 2020, 31, 687-699.	0.7	20
123	Chirality of self-assembled metal-semiconductor nanostructures. Journal of Materials Chemistry C, 2014, 2, 2702-2706.	2.7	19
124	Rapid and sensitive detection of ochratoxin A in rice flour using a fluorescent microsphere immunochromatographic test strip assay. Food and Agricultural Immunology, 2020, 31, 563-574.	0.7	19
125	Synthesis of haptens and gold-based immunochromatographic paper sensor for vitamin B6 in energy drinks and dietary supplements. Nano Research, 2022, 15, 2479-2488.	5.8	19
126	Tailored Chiral Copper Selenide Nanochannels for Ultrasensitive Enantioselective Recognition and Detection. Angewandte Chemie - International Edition, 2021, 60, 24997-25004.	7.2	19

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127	An immunochromatographic assay for the rapid detection of oxadixyl in cucumber, tomato and wine samples. <i>Food Chemistry</i> , 2022, 379, 132131.	4.2	19
128	Ultrasensitive detection of lead ions based on a DNA-labelled DNAzyme sensor. <i>Analytical Methods</i> , 2015, 7, 662-666.	1.3	18
129	Development of an immunocolloidal strip for rapid detection of picoxystrobin. <i>Food and Agricultural Immunology</i> , 2020, 31, 711-722.	0.7	18
130	Gold nanoparticle-based immunochromatographic assay for detection <i>Pseudomonas aeruginosa</i> in water and food samples. <i>Food Chemistry: X</i> , 2021, 9, 100117.	1.8	18
131	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
132	Chiro-magnetic Plasmonic Nanoassemblies with Magnetic Field Modulated Chiral Activity. <i>Small</i> , 2020, 16, e1905734.	5.2	16
133	Immuno-driven plasmonic oligomer sensor for the ultrasensitive detection of antibiotics. <i>RSC Advances</i> , 2013, 3, 17294.	1.7	15
134	Development and characterisation of an ultrasensitive monoclonal antibody for chloramphenicol. <i>Food and Agricultural Immunology</i> , 2015, 26, 440-450.	0.7	15
135	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
136	Rapid detection of tulathromycin in pure milk and honey with an immunochromatographic test strip. <i>Food and Agricultural Immunology</i> , 2018, 29, 358-368.	0.7	14
137	Circular Dichroism-Active Interactions between Fipronil and Neuronal Cells. <i>Environmental Science and Technology Letters</i> , 2018, 5, 500-507.	3.9	14
138	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
139	Self-Assembled Gold Arrays That Allow Rectification by Nanoscale Selectivity. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17418-17424.	7.2	14
140	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
141	Multiple detection of 15 triazine herbicides by gold nanoparticle based-paper sensor. <i>Nano Research</i> , 2022, 15, 5483-5491.	5.8	14
142	Photoinduced elimination of senescent microglia cells <i>in vivo</i> by chiral gold nanoparticles. <i>Chemical Science</i> , 2022, 13, 6642-6654.	3.7	14
143	Self-Assembly of Earth-Abundant Supraparticles with Chiral Interstices for Enantioselective Photocatalysis. <i>ACS Energy Letters</i> , 0, , 1405-1412.	8.8	13
144	Rapid and sensitive detection of <i>tert</i> -butylhydroquinone in soybean oil using a gold-based paper sensor. <i>Analyst</i> , The, 2022, 147, 1906-1914.	1.7	13

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145	Ultrasensitive detection of seventeen chemicals simultaneously using paper-based sensors. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1900-1910.	3.2	12
146	A gold nanoparticle based colorimetric sensor for the rapid detection of <i>Yersinia enterocolitica</i> serotype O:8 in food samples. <i>Journal of Materials Chemistry B</i> , 2022, 10, 909-914.	2.9	12
147	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
148	Light-Induced Chiral Iron Copper Selenide Nanoparticles Prevent β -Amyloidopathy In Vivo. <i>Angewandte Chemie</i> , 2020, 132, 7197-7204.	1.6	11
149	Chiral Cu _x Co _y S Supraparticles Ameliorate Parkinson's Disease. <i>CCS Chemistry</i> , 2022, 4, 2440-2451.	4.6	11
150	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
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