

Chuanlai Xu

List of Publications by Year in descending order

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Version: 2024-02-01

418
papers

22,505
citations

10389

72
h-index

14208

128
g-index

429
all docs

429
docs citations

429
times ranked

16604
citing authors

#	ARTICLE	IF	CITATIONS
1	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020, 14, 28-117.	14.6	2,153
2	Chiral Inorganic Nanostructures. <i>Chemical Reviews</i> , 2017, 117, 8041-8093.	47.7	656
3	Attomolar DNA detection with chiral nanorod assemblies. <i>Nature Communications</i> , 2013, 4, 2689.	12.8	443
4	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.	13.7	399
5	Self-Assembly of Chiral Nanoparticle Pyramids with Strong <i>R/S</i> Optical Activity. <i>Journal of the American Chemical Society</i> , 2012, 134, 15114-15121.	13.7	366
6	Light-Controlled Self-Assembly of Semiconductor Nanoparticles into Twisted Ribbons. <i>Science</i> , 2010, 327, 1355-1359.	12.6	341
7	SERS Encoded Silver Pyramids for Attomolar Detection of Multiplexed Disease Biomarkers. <i>Advanced Materials</i> , 2015, 27, 1706-1711.	21.0	276
8	Unexpected Chirality of Nanoparticle Dimers and Ultrasensitive Chiroplasmonic Bioanalysis. <i>Journal of the American Chemical Society</i> , 2013, 135, 18629-18636.	13.7	274
9	Chiral Molecule-mediated Porous Cu _x O Nanoparticle Clusters with Antioxidation Activity for Ameliorating Parkinson's Disease. <i>Journal of the American Chemical Society</i> , 2019, 141, 1091-1099.	13.7	264
10	Dual Quantification of MicroRNAs and Telomerase in Living Cells. <i>Journal of the American Chemical Society</i> , 2017, 139, 11752-11759.	13.7	262
11	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.	13.7	259
12	Simple, Rapid, Sensitive, and Versatile SWNT ⁺ Paper Sensor for Environmental Toxin Detection Competitive with ELISA. <i>Nano Letters</i> , 2009, 9, 4147-4152.	9.1	249
13	Frontiers in circularly polarized luminescence: molecular design, self-assembly, nanomaterials, and applications. <i>Science China Chemistry</i> , 2021, 64, 2060-2104.	8.2	248
14	Enantiomer-dependent immunological response to chiral nanoparticles. <i>Nature</i> , 2022, 601, 366-373.	27.8	243
15	Hierarchical Plasmonic Nanorods and Upconversion Core-Satellite Nanoassemblies for Multimodal Imaging-Guided Combination Phototherapy. <i>Advanced Materials</i> , 2016, 28, 898-904.	21.0	240
16	Side-by-Side and End-to-End Gold Nanorod Assemblies for Environmental Toxin Sensing. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5472-5475.	13.8	239
17	Nanoparticle Superstructures Made by Polymerase Chain Reaction: Collective Interactions of Nanoparticles and a New Principle for Chiral Materials. <i>Nano Letters</i> , 2009, 9, 2153-2159.	9.1	228
18	Nanoparticle assemblies: dimensional transformation of nanomaterials and scalability. <i>Chemical Society Reviews</i> , 2013, 42, 3114.	38.1	216

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19	Dynamic Nanoparticle Assemblies. <i>Accounts of Chemical Research</i> , 2012, 45, 1916-1926.	15.6	209
20	A SERS active gold nanostar dimer for mercury ion detection. <i>Chemical Communications</i> , 2013, 49, 4989.	4.1	205
21	Site-selective photoinduced cleavage and profiling of DNA by chiral semiconductor nanoparticles. <i>Nature Chemistry</i> , 2018, 10, 821-830.	13.6	189
22	SERS-active Au@Ag nanorod dimers for ultrasensitive dopamine detection. <i>Biosensors and Bioelectronics</i> , 2015, 71, 7-12.	10.1	186
23	Chiral plasmonics of self-assembled nanorod dimers. <i>Scientific Reports</i> , 2013, 3, 1934.	3.3	185
24	Shell-Engineered Chiroplasmonic Assemblies of Nanoparticles for Zeptomolar DNA Detection. <i>Nano Letters</i> , 2014, 14, 3908-3913.	9.1	169
25	A gold nanoparticle-based semi-quantitative and quantitative ultrasensitive paper sensor for the detection of twenty mycotoxins. <i>Nanoscale</i> , 2016, 8, 5245-5253.	5.6	160
26	Electrochemical detection of heavy metal ions in water. <i>Chemical Communications</i> , 2021, 57, 7215-7231.	4.1	160
27	Water-Rich Biomimetic Composites with Abiotic Self-Organizing Nanofiber Network. <i>Advanced Materials</i> , 2018, 30, 1703343.	21.0	149
28	Fluorescent strip sensor for rapid determination of toxins. <i>Chemical Communications</i> , 2011, 47, 1574-1576.	4.1	146
29	Building An Aptamer/Graphene Oxide FRET Biosensor for One-Step Detection of Bisphenol A. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 7492-7496.	8.0	145
30	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.	5.6	139
31	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.	13.7	139
32	Propeller-Like Nanorod-Upconversion Nanoparticle Assemblies with Intense Chiroptical Activity and Luminescence Enhancement in Aqueous Phase. <i>Advanced Materials</i> , 2016, 28, 5907-5915.	21.0	132
33	Rapid and Highly Sensitive Detection of Lead Ions in Drinking Water Based on a Strip Immunosensor. <i>Sensors</i> , 2013, 13, 4214-4224.	3.8	131
34	Portable Food-Freshness Prediction Platform Based on Colorimetric Barcode Combinatorics and Deep Convolutional Neural Networks. <i>Advanced Materials</i> , 2020, 32, e2004805.	21.0	131
35	Ultrasensitive immunochromatographic assay for the simultaneous detection of five chemicals in drinking water. <i>Biosensors and Bioelectronics</i> , 2015, 66, 445-453.	10.1	130
36	Nanoparticle-based sensors for food contaminants. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 113, 74-83.	11.4	130

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37	MicroRNA-Directed Intracellular Self-Assembly of Chiral Nanorod Dimers. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10544-10548.	13.8	127
38	A Chiral Nanoassemblies-Enabled Strategy for Simultaneously Profiling Surface Glycoprotein and MicroRNA in Living Cells. <i>Advanced Materials</i> , 2017, 29, 1703410.	21.0	119
39	Unusual Circularly Polarized Photocatalytic Activity in Nanogapped Gold-Silver Chiroplasmonic Nanostructures. <i>Advanced Functional Materials</i> , 2015, 25, 5816-5822.	14.9	117
40	Environmentally responsive plasmonic nanoassemblies for biosensing. <i>Chemical Society Reviews</i> , 2018, 47, 4677-4696.	38.1	116
41	Multigaps Embedded Nanoassemblies Enhance In Situ Raman Spectroscopy for Intracellular Telomerase Activity Sensing. <i>Advanced Functional Materials</i> , 2016, 26, 1602-1608.	14.9	115
42	Ultrasensitive SERS detection of mercury based on the assembled gold nanochains. <i>Biosensors and Bioelectronics</i> , 2015, 67, 472-476.	10.1	112
43	Development of an ELISA and Immunochromatographic Assay for Tetracycline, Oxytetracycline, and Chlortetracycline Residues in Milk and Honey Based on the Class-Specific Monoclonal Antibody. <i>Food Analytical Methods</i> , 2016, 9, 905-914.	2.6	110
44	Hybrid Nanoparticle Pyramids for Intracellular Dual MicroRNAs Biosensing and Bioimaging. <i>Advanced Materials</i> , 2017, 29, 1606086.	21.0	105
45	Ultrasensitive Immunochromatographic Strip for Fast Screening of 27 Sulfonamides in Honey and Pork Liver Samples Based on a Monoclonal Antibody. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 8248-8255.	5.2	105
46	Tuning the interactions between chiral plasmonic films and living cells. <i>Nature Communications</i> , 2017, 8, 2007.	12.8	102
47	Chirality-Based Biosensors. <i>Advanced Functional Materials</i> , 2019, 29, 1805512.	14.9	102
48	A Singlet Oxygen Generating Agent by Chirality-Dependent Plasmonic Shell-Satellite Nanoassembly. <i>Advanced Materials</i> , 2017, 29, 1606864.	21.0	101
49	Ultrasensitive aptamer-based SERS detection of PSAs by heterogeneous satellite nanoassemblies. <i>Chemical Communications</i> , 2014, 50, 9737-9740.	4.1	100
50	Triple Raman Label-Encoded Gold Nanoparticle Trimers for Simultaneous Heavy Metal Ion Detection. <i>Small</i> , 2015, 11, 3435-3439.	10.0	100
51	Simultaneous and sensitive determination of multiplex chemical residues based on multicolor quantum dot probes. <i>Biosensors and Bioelectronics</i> , 2009, 24, 3657-3662.	10.1	99
52	Rapid and sensitive detection of β -agonists using a portable fluorescence biosensor based on fluorescent nanosilica and a lateral flow test strip. <i>Biosensors and Bioelectronics</i> , 2013, 50, 62-65.	10.1	99
53	Artificial Chiral Probes and Bioapplications. <i>Advanced Materials</i> , 2020, 32, e1802075.	21.0	99
54	Stimulation of neural stem cell differentiation by circularly polarized light transduced by chiral nanoassemblies. <i>Nature Biomedical Engineering</i> , 2021, 5, 103-113.	22.5	98

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55	Gold nanorod assembly based approach to toxin detection by SERS. <i>Journal of Materials Chemistry</i> , 2012, 22, 2387-2391.	6.7	97
56	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.	10.4	97
57	Intracellular localization of nanoparticle dimers by chirality reversal. <i>Nature Communications</i> , 2017, 8, 1847.	12.8	93
58	Single- and multi-component chiral supraparticles as modular enantioselective catalysts. <i>Nature Communications</i> , 2019, 10, 4826.	12.8	93
59	A one-step homogeneous plasmonic circular dichroism detection of aqueous mercury ions using nucleic acid functionalized gold nanorods. <i>Chemical Communications</i> , 2012, 48, 11889.	4.1	90
60	Gold@Quantum Dot Core@Satellite Assemblies for Lighting Up MicroRNA In Vitro and In Vivo. <i>Small</i> , 2016, 12, 4662-4668.	10.0	90
61	A SERS active bimetallic core@satellite nanostructure for the ultrasensitive detection of Mucin-1. <i>Chemical Communications</i> , 2015, 51, 14761-14763.	4.1	89
62	Dual Amplified Electrochemical Immunosensor for Highly Sensitive Detection of <i>Pantoea stewartii</i> subsp. <i>stewartii</i> . <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21178-21183.	8.0	88
63	Nucleic Acids Analysis. <i>Science China Chemistry</i> , 2021, 64, 171-203.	8.2	88
64	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.	13.8	87
65	Light-Induced Chiral Iron Copper Selenide Nanoparticles Prevent β -Amyloidopathy In Vivo. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7131-7138.	13.8	85
66	Chirality-based Au@Ag Nanorod Dimers Sensor for Ultrasensitive PSA Detection. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 12708-12712.	8.0	83
67	Polarization-sensitive optoionic membranes from chiral plasmonic nanoparticles. <i>Nature Nanotechnology</i> , 2022, 17, 408-416.	31.5	83
68	Chiral Semiconductor Nanoparticles for Protein Catalysis and Profiling. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7371-7374.	13.8	82
69	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.	7.1	82
70	SERS- and luminescence-active Au@Au@UCNP trimers for attomolar detection of two cancer biomarkers. <i>Nanoscale</i> , 2017, 9, 3865-3872.	5.6	78
71	Colloidal gold-based immunochromatographic strip assay for the rapid detection of three natural estrogens in milk. <i>Food Chemistry</i> , 2018, 259, 122-129.	8.2	77
72	Chirality based sensor for bisphenol A detection. <i>Chemical Communications</i> , 2012, 48, 5760.	4.1	75

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73	Development of an Immunochromatographic Strip Test for Rapid Detection of Ciprofloxacin in Milk Samples. <i>Sensors</i> , 2014, 14, 16785-16798.	3.8	75
74	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.	14.9	75
75	Gold Nanoparticle-Based Paper Sensor for Simultaneous Detection of 11 Benzimidazoles by One Monoclonal Antibody. <i>Small</i> , 2018, 14, 1701782.	10.0	73
76	Alternating Plasmonic Nanoparticle Heterochains Made by Polymerase Chain Reaction and Their Optical Properties. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 641-647.	4.6	72
77	Gold immunochromatographic sensor for the rapid detection of twenty-six sulfonamides in foods. <i>Nano Research</i> , 2017, 10, 2833-2844.	10.4	71
78	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.	8.2	71
79	Development of a Broad Specific Monoclonal Antibody for Fluoroquinolone Analysis. <i>Food Analytical Methods</i> , 2014, 7, 2163-2168.	2.6	70
80	Gold Core-DNA-Silver Shell Nanoparticles with Intense Plasmonic Chiroptical Activities. <i>Advanced Functional Materials</i> , 2015, 25, 850-854.	14.9	70
81	Ultrasensitive Detection of Prostate-Specific Antigen and Thrombin Based on Gold-Upconversion Nanoparticle Assembled Pyramids. <i>Small</i> , 2017, 13, 1603944.	10.0	70
82	Rapid and sensitive detection of diclazuril in chicken samples using a gold nanoparticle-based lateral-flow strip. <i>Food Chemistry</i> , 2020, 312, 126116.	8.2	70
83	Building SERS-active heteroassemblies for ultrasensitive Bisphenol A detection. <i>Biosensors and Bioelectronics</i> , 2016, 81, 138-142.	10.1	69
84	Advances in immunoassays for organophosphorus and pyrethroid pesticides. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 131, 116022.	11.4	69
85	Chiral Plasmonic Triangular Nanorings with SERS Activity for Ultrasensitive Detection of Amyloid Proteins in Alzheimer's Disease. <i>Advanced Materials</i> , 2021, 33, e2102337.	21.0	68
86	Direct observation of selective autophagy induction in cells and tissues by self-assembled chiral nanodevice. <i>Nature Communications</i> , 2018, 9, 4494.	12.8	67
87	Asymmetric Plasmonic Aptasensor for Sensitive Detection of Bisphenol A. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 364-369.	8.0	66
88	A gold immunochromatographic assay for the rapid and simultaneous detection of fifteen β -lactams. <i>Nanoscale</i> , 2015, 7, 16381-16388.	5.6	65
89	Multiplex lateral flow immunoassay for five antibiotics detection based on gold nanoparticle aggregations. <i>RSC Advances</i> , 2016, 6, 7798-7805.	3.6	65
90	Chiral Upconversion Heterodimers for Quantitative Analysis and Bioimaging of Antibiotic-Resistant Bacteria In Vivo. <i>Advanced Materials</i> , 2018, 30, e1804241.	21.0	65

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91	Tailoring Chiroptical Activity of Iron Disulfide Quantum Dot Hydrogels with Circularly Polarized Light. <i>Advanced Materials</i> , 2019, 31, e1903200.	21.0	65
92	Development of an ELISA and Immunochromatographic Strip for Highly Sensitive Detection of Microcystin-LR. <i>Sensors</i> , 2014, 14, 14672-14685.	3.8	64
93	Spiny Nanorod and Upconversion Nanoparticle Satellite Assemblies for Ultrasensitive Detection of Messenger RNA in Living Cells. <i>Analytical Chemistry</i> , 2018, 90, 5414-5421.	6.5	64
94	Plasmonic Nanoparticles with Supramolecular Recognition. <i>Advanced Functional Materials</i> , 2020, 30, 1902082.	14.9	64
95	Au@gap@AuAg Nanorod Side-by-Side Assemblies for Ultrasensitive SERS Detection of Mercury and its Transformation. <i>Small</i> , 2019, 15, e1901958.	10.0	62
96	A colorimetric paper-based sensor for toltrazuril and its metabolites in feed, chicken, and egg samples. <i>Food Chemistry</i> , 2019, 276, 707-713.	8.2	62
97	Self-Organization of Plasmonic and Excitonic Nanoparticles into Resonant Chiral Supraparticle Assemblies. <i>Nano Letters</i> , 2014, 14, 6799-6810.	9.1	61
98	Highly selective recognition and ultrasensitive quantification of enantiomers. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4478.	5.8	60
99	Sensitive Detection of Silver Ions Based on Chiroplasmonic Assemblies of Nanoparticles. <i>Advanced Optical Materials</i> , 2013, 1, 626-630.	7.3	60
100	Nanoshell-Enhanced Raman Spectroscopy on a Microplate for Staphylococcal Enterotoxin B Sensing. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15591-15597.	8.0	60
101	Chiral Shell Core-Satellite Nanostructures for Ultrasensitive Detection of Mycotoxin. <i>Small</i> , 2018, 14, e1703931.	10.0	60
102	Rapid, ultrasensitive and highly specific biosensor for the diagnosis of SARS-CoV-2 in clinical blood samples. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2000-2005.	5.9	60
103	Biocompatible Cup-Shaped Nanocrystal with Ultrahigh Photothermal Efficiency as Tumor Therapeutic Agent. <i>Advanced Functional Materials</i> , 2017, 27, 1700605.	14.9	59
104	Chiral Cu _x OS@ZIF-8 Nanostructures for Ultrasensitive Quantification of Hydrogen Sulfide In Vivo. <i>Advanced Materials</i> , 2020, 32, e1906580.	21.0	59
105	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.	5.0	58
106	Photoactive Hybrid AuNR@Pt@Ag ₂ S Core-Satellite Nanostructures for Near-Infrared Quantitative Cell Imaging. <i>Advanced Functional Materials</i> , 2017, 27, 1703408.	14.9	58
107	Spiky Fe ₃ O ₄ @Au Supraparticles for Multimodal In Vivo Imaging. <i>Advanced Functional Materials</i> , 2018, 28, 1800310.	14.9	58
108	Ultrasensitive SERS detection of VEGF based on a self-assembled Ag ornamented-AU pyramid superstructure. <i>Biosensors and Bioelectronics</i> , 2015, 68, 593-597.	10.1	57

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109	Development of a monoclonal antibody-based immunochromatographic strip for cephalexin. <i>Food and Agricultural Immunology</i> , 2015, 26, 282-292.	1.4	56
110	Preparing monoclonal antibodies and developing immunochromatographic strips for paraquat determination in water. <i>Food Chemistry</i> , 2020, 311, 125897.	8.2	56
111	Femtogram ultrasensitive aptasensor for the detection of OchratoxinA. <i>Biosensors and Bioelectronics</i> , 2013, 42, 545-549.	10.1	55
112	Pyramidal Sensor Platform with Reversible Chiroptical Signals for DNA Detection. <i>Small</i> , 2014, 10, 4293-4297.	10.0	54
113	Comparison of an immunochromatographic strip with ELISA for simultaneous detection of thiamphenicol, florfenicol and chloramphenicol in food samples. <i>Biomedical Chromatography</i> , 2015, 29, 1432-1439.	1.7	54
114	Scissor-Like Chiral Metamolecules for Probing Intracellular Telomerase Activity. <i>Advanced Functional Materials</i> , 2016, 26, 7352-7358.	14.9	51
115	Development of ic-ELISA and lateral-flow immunochromatographic assay strip for the detection of vancomycin in raw milk and animal feed. <i>Food and Agricultural Immunology</i> , 2017, 28, 414-426.	1.4	51
116	Tuning of chiral construction, structural diversity, scale transformation and chiroptical applications. <i>Materials Horizons</i> , 2018, 5, 141-161.	12.2	50
117	Development of an icELISA and immunochromatographic strip for detection of norfloxacin and its analogs in milk. <i>Food and Agricultural Immunology</i> , 2017, 28, 288-298.	1.4	49
118	Shell-encoded Au nanoparticles with tunable electroactivity for specific dual disease biomarkers detection. <i>Biosensors and Bioelectronics</i> , 2018, 99, 193-200.	10.1	49
119	An NIR-Responsive DNA-Mediated Nanotetrahedron Enhances the Clearance of Senescent Cells. <i>Advanced Materials</i> , 2020, 32, e2000184.	21.0	49
120	Upconversion luminescence nanoparticles-based lateral flow immunochromatographic assay for cephalexin detection. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9637-9642.	5.5	48
121	An Overview for the Nanoparticles-Based Quantitative Lateral Flow Assay. <i>Small Methods</i> , 2022, 6, e2101143.	8.6	48
122	Self-assembled nanoparticle dimers with contemporarily relevant properties and emerging applications. <i>Materials Today</i> , 2016, 19, 595-606.	14.2	47
123	Heterostructures of MOFs and Nanorods for Multimodal Imaging. <i>Advanced Functional Materials</i> , 2018, 28, 1805320.	14.9	47
124	DNA-Driven Two-Layer Core-Satellite Gold Nanostructures for Ultrasensitive MicroRNA Detection in Living Cells. <i>Small</i> , 2020, 16, e2000003.	10.0	47
125	Development of an immunoassay for carbendazim based on a class-selective monoclonal antibody. <i>Food and Agricultural Immunology</i> , 2015, 26, 659-670.	1.4	46
126	SERS encoded nanoparticle heterodimers for the ultrasensitive detection of folic acid. <i>Biosensors and Bioelectronics</i> , 2016, 75, 55-58.	10.1	46

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127	Development of indirect competitive ELISA and lateral-flow immunochromatographic assay strip for the detection of sterigmatocystin in cereal products. <i>Food and Agricultural Immunology</i> , 2017, 28, 260-273.	1.4	46
128	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.	10.1	45
129	Engineering of chiral nanomaterials for biomimetic catalysis. <i>Chemical Science</i> , 2020, 11, 12937-12954.	7.4	45
130	Development of a monoclonal antibody-based sandwich ELISA for the detection of ovalbumin in foods. <i>Food and Agricultural Immunology</i> , 2014, 25, 1-8.	1.4	44
131	Regioselective plasmonic nano-assemblies for bimodal sub-femtomolar dopamine detection. <i>Nanoscale</i> , 2017, 9, 223-229.	5.6	44
132	Immunoassays for the rapid detection of pantothenic acid in pharmaceutical and food products. <i>Food Chemistry</i> , 2021, 348, 129114.	8.2	44
133	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.	5.8	44
134	Template-Free Hierarchical Self-Assembly of Iron Diselenide Nanoparticles into Mesoscale Hedgehogs. <i>Journal of the American Chemical Society</i> , 2017, 139, 16630-16639.	13.7	43
135	Development and evaluation of a rapid lateral flow immunochromatographic strip assay for screening 19-nortestosterone. <i>Biomedical Chromatography</i> , 2007, 21, 861-866.	1.7	42
136	Assembled Plasmonic Asymmetric Heterodimers with Tailorable Chiroptical Response. <i>Small</i> , 2014, 10, 1805-1812.	10.0	42
137	Lateral flow immunoassay for the simultaneous detection of fipronil and its metabolites in food samples. <i>Food Chemistry</i> , 2021, 356, 129710.	8.2	42
138	Production of new class-specific polyclonal antibody for determination of fluoroquinolones antibiotics by indirect competitive ELISA. <i>Food and Agricultural Immunology</i> , 2008, 19, 251-264.	1.4	41
139	Plasmonic Core-Satellites Nanostructures with High Chirality and Bioproperty. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2379-2384.	4.6	41
140	Development of sensitive and fast immunoassays for amantadine detection. <i>Food and Agricultural Immunology</i> , 2016, 27, 678-688.	1.4	41
141	The Development of Chiral Nanoparticles to Target NK Cells and CD8 ⁺ T Cells for Cancer Immunotherapy. <i>Advanced Materials</i> , 2022, 34, e2109354.	21.0	41
142	A self-assembled chiral-aptasensor for ATP activity detection. <i>Nanoscale</i> , 2016, 8, 15008-15015.	5.6	40
143	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.	5.8	40
144	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.	13.8	40

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145	Development of an Enzyme-Linked Immunosorbent Assay for Dibutyl Phthalate in Liquor. <i>Sensors</i> , 2013, 13, 8331-8339.	3.8	39
146	Development of an immunochromatographic strip assay for ractopamine detection using an ultrasensitive monoclonal antibody. <i>Food and Agricultural Immunology</i> , 2016, 27, 471-483.	1.4	39
147	Haptically Quantifying Young's Modulus of Soft Materials Using a Self-locked Stretchable Strain Sensor. <i>Advanced Materials</i> , 2022, 34, e2104078.	21.0	39
148	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.	13.7	39
149	Nanoscale Superstructures Assembled by Polymerase Chain Reaction (PCR): Programmable Construction, Structural Diversity, and Emerging Applications. <i>Accounts of Chemical Research</i> , 2013, 46, 2341-2354.	15.6	38
150	General immunoassay for pyrethroids based on a monoclonal antibody. <i>Food and Agricultural Immunology</i> , 2014, 25, 341-349.	1.4	38
151	Development of indirect competitive enzyme-linked immunosorbent and immunochromatographic strip assays for carbofuran detection in fruits and vegetables. <i>Food and Agricultural Immunology</i> , 2017, 28, 639-651.	1.4	38
152	Immunoassays for rapid mycotoxin detection: state of the art. <i>Analyst, The</i> , 2020, 145, 7088-7102.	3.5	38
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