

Yonghua Xiong

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125
papers

4,891
citations

40
h-index

66
g-index

137
ext. papers

6,183
ext. citations

7.8
avg, IF

6.11
L-index

#	Paper	IF	Citations
125	Ratiometric optical nanoprobe enable accurate molecular detection and imaging. <i>Chemical Society Reviews</i> , 2018 , 47, 2873-2920	58.5	394
124	Membrane-based lateral flow immunochromatographic strip with nanoparticles as reporters for detection: A review. <i>Biosensors and Bioelectronics</i> , 2016 , 75, 166-80	11.8	302
123	Antibody conjugated magnetic iron oxide nanoparticles for cancer cell separation in fresh whole blood. <i>Biomaterials</i> , 2011 , 32, 9758-65	15.6	275
122	Immunochromatographic assay for ultrasensitive detection of aflatoxin B ₁ in maize by highly luminescent quantum dot beads. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 14215-22	9.5	193
121	Functional DNA Regulated CRISPR-Cas12a Sensors for Point-of-Care Diagnostics of Non-Nucleic-Acid Targets. <i>Journal of the American Chemical Society</i> , 2020 , 142, 207-213	16.4	172
120	Nanotechnology-Enhanced No-Wash Biosensors for in Vitro Diagnostics of Cancer. <i>ACS Nano</i> , 2017 , 11, 5238-5292	16.7	156
119	Antioxidant and antibacterial activities of exopolysaccharides from <i>Bifidobacterium bifidum</i> WBIN03 and <i>Lactobacillus plantarum</i> R315. <i>Journal of Dairy Science</i> , 2014 , 97, 7334-43	4	105
118	Fluorescent Ru(phen) ₃ (2+)-doped silica nanoparticles-based ICTS sensor for quantitative detection of enrofloxacin residues in chicken meat. <i>Analytical Chemistry</i> , 2013 , 85, 5120-8	7.8	91
117	Quantum-dot submicrobead-based immunochromatographic assay for quantitative and sensitive detection of zearalenone. <i>Talanta</i> , 2015 , 132, 126-31	6.2	87
116	Quantum dot nanobead-based multiplexed immunochromatographic assay for simultaneous detection of aflatoxin B and zearalenone. <i>Analytica Chimica Acta</i> , 2018 , 1025, 163-171	6.6	87
115	Multifunctionalized reduced graphene oxide-doped polypyrrole/pyrrolepropionic acid nanocomposite impedimetric immunosensor to ultra-sensitively detect small molecular aflatoxin B ₁ . <i>Biosensors and Bioelectronics</i> , 2015 , 63, 185-189	11.8	83
114	A homogeneous immunosensor for AFB ₁ detection based on FRET between different-sized quantum dots. <i>Biosensors and Bioelectronics</i> , 2014 , 56, 144-50	11.8	83
113	A sensitive impedance biosensor based on immunomagnetic separation and urease catalysis for rapid detection of <i>Listeria monocytogenes</i> using an immobilization-free interdigitated array microelectrode. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 504-11	11.8	81
112	Detection of aflatoxin B ₁ with immunochromatographic test strips: Enhanced signal sensitivity using gold nanoflowers. <i>Talanta</i> , 2015 , 142, 206-12	6.2	79
111	Size-Dependent Immunochromatographic Assay with Quantum Dot Nanobeads for Sensitive and Quantitative Detection of Ochratoxin A in Corn. <i>Analytical Chemistry</i> , 2017 , 89, 7062-7068	7.8	76
110	Magnetic Quantum Dot Nanobead-Based Fluorescent Immunochromatographic Assay for the Highly Sensitive Detection of Aflatoxin B in Dark Soy Sauce. <i>Analytical Chemistry</i> , 2019 , 91, 4727-4734	7.8	72
109	Development of an immunochromatographic assay for rapid and quantitative detection of clenbuterol in swine urine. <i>Food Control</i> , 2013 , 34, 725-732	6.2	69

108	Multicolor quantum dot nanobeads for simultaneous multiplex immunochromatographic detection of mycotoxins in maize. <i>Sensors and Actuators B: Chemical</i> , 2019 , 291, 411-417	8.5	68
107	Development of a colloidal gold strip for rapid detection of ochratoxin A with mimotope peptide. <i>Food Control</i> , 2009 , 20, 791-795	6.2	68
106	Immunochromatographic assay for quantitative and sensitive detection of hepatitis B virus surface antigen using highly luminescent quantum dot-beads. <i>Talanta</i> , 2015 , 142, 145-9	6.2	67
105	Fast and sensitive detection of foodborne pathogen using electrochemical impedance analysis, urease catalysis and microfluidics. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 770-776	11.8	65
104	A novel method based on fluorescent magnetic nanobeads for rapid detection of Escherichia coli O157:H7. <i>Food Chemistry</i> , 2019 , 276, 333-341	8.5	65
103	Gold nanoparticle-based dynamic light scattering immunoassay for ultrasensitive detection of <i>Listeria monocytogenes</i> in lettuces. <i>Biosensors and Bioelectronics</i> , 2015 , 66, 184-90	11.8	64
102	Evaluation of probiotic properties of <i>Lactobacillus plantarum</i> WLPL04 isolated from human breast milk. <i>Journal of Dairy Science</i> , 2016 , 99, 1736-1746	4	61
101	Plasmonic ELISA based on enzyme-assisted etching of Au nanorods for the highly sensitive detection of aflatoxin B1 in corn samples. <i>Sensors and Actuators B: Chemical</i> , 2018 , 267, 320-327	8.5	60
100	Dual gold nanoparticle lateflow immunoassay for sensitive detection of Escherichia coli O157:H7. <i>Analytica Chimica Acta</i> , 2015 , 876, 71-6	6.6	56
99	Nanospherical Brush as Catalase Container for Enhancing the Detection Sensitivity of Competitive Plasmonic ELISA. <i>Analytical Chemistry</i> , 2016 , 88, 1951-8	7.8	54
98	Ultrasensitive fluorescence immunoassay for detection of ochratoxin A using catalase-mediated fluorescence quenching of CdTe QDs. <i>Nanoscale</i> , 2016 , 8, 9390-7	7.7	52
97	"Three-in-one" Nanohybrids as Synergistic Nanoquencher to Enhance No-Wash Fluorescence Biosensors for Ratiometric Detection of Cancer Biomarkers. <i>Theranostics</i> , 2018 , 8, 3461-3473	12.1	51
96	Emerging strategies to develop sensitive AuNP-based ICTS nanosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 112, 147-160	14.6	50
95	A modified lateral flow immunoassay for the detection of trace aflatoxin M1 based on immunomagnetic nanobeads with different antibody concentrations. <i>Food Control</i> , 2015 , 51, 218-224	6.2	50
94	A novel fluorescence immunoassay for the sensitive detection of Escherichia coli O157:H7 in milk based on catalase-mediated fluorescence quenching of CdTe quantum dots. <i>Analytica Chimica Acta</i> , 2016 , 947, 50-57	6.6	47
93	Novel fluorescent ELISA for the sensitive detection of zearalenone based on H2O2-sensitive quantum dots for signal transduction. <i>Talanta</i> , 2016 , 158, 51-56	6.2	46
92	Multi-branched gold nanoflower-embedded iron porphyrin for colorimetric immunosensor. <i>Biosensors and Bioelectronics</i> , 2018 , 102, 9-16	11.8	45
91	Phage-free peptide ELISA for ochratoxin A detection based on biotinylated mimotope as a competing antigen. <i>Talanta</i> , 2016 , 146, 394-400	6.2	44

90	Folic acid conjugated magnetic iron oxide nanoparticles for nondestructive separation and detection of ovarian cancer cells from whole blood. <i>Biomaterials Science</i> , 2016 , 4, 159-66	7.4	42
89	Silver Nanoparticle-Based Fluorescence-Quenching Lateral Flow Immunoassay for Sensitive Detection of Ochratoxin A in Grape Juice and Wine. <i>Toxins</i> , 2017 , 9,	4.9	42
88	Effect of different-sized gold nanoflowers on the detection performance of immunochromatographic assay for human chorionic gonadotropin detection. <i>Talanta</i> , 2019 , 194, 604-610	6.2	42
87	Comparison of 4 label-based immunochromatographic assays for the detection of Escherichia coli O157:H7 in milk. <i>Journal of Dairy Science</i> , 2017 , 100, 5176-5187	4	41
86	Fluorescence ELISA for sensitive detection of ochratoxin A based on glucose oxidase-mediated fluorescence quenching of CdTe QDs. <i>Analytica Chimica Acta</i> , 2016 , 936, 195-201	6.6	41
85	Emerging design strategies for constructing multiplex lateral flow test strip sensors. <i>Biosensors and Bioelectronics</i> , 2020 , 157, 112168	11.8	40
84	Effect of different-sized spherical gold nanoparticles grown layer by layer on the sensitivity of an immunochromatographic assay. <i>RSC Advances</i> , 2016 , 6, 26178-26185	3.7	40
83	Dramatically Enhanced Immunochromatographic Assay Using Cascade Signal Amplification for Ultrasensitive Detection of O157:H7 in Milk. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 1118-1125	5.7	40
82	Folic Acid Targeting for Efficient Isolation and Detection of Ovarian Cancer CTCs from Human Whole Blood Based on Two-Step Binding Strategy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 14035-14042	8.5	39
81	Biotin-exposure-based immunomagnetic separation coupled with nucleic acid lateral flow biosensor for visibly detecting viable <i>Listeria monocytogenes</i> . <i>Analytica Chimica Acta</i> , 2018 , 1017, 48-56	6.6	37
80	Application and development of superparamagnetic nanoparticles in sample pretreatment and immunochromatographic assay. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 114, 151-170	14.6	34
79	Plasmonic ELISA for naked-eye detection of ochratoxin A based on the tyramine-H ₂ O ₂ amplification system. <i>Sensors and Actuators B: Chemical</i> , 2018 , 259, 162-169	8.5	33
78	Emerging strategies to enhance the sensitivity of competitive ELISA for detection of chemical contaminants in food samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 126, 115861	14.6	32
77	Biotin-Streptavidin System-Mediated Ratiometric Multiplex Immunochromatographic Assay for Simultaneous and Accurate Quantification of Three Mycotoxins. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 9022-9031	5.7	32
76	Engineered gold nanoparticles as multicolor labels for simultaneous multi-mycotoxin detection on the immunochromatographic test strip nanosensor. <i>Sensors and Actuators B: Chemical</i> , 2020 , 316, 128107	8.5	31
75	A colorimetric immunoassay based on glucose oxidase-induced AuNP aggregation for the detection of fumonisin B. <i>Talanta</i> , 2018 , 186, 29-35	6.2	31
74	Two-step large-volume magnetic separation combined with PCR assay for sensitive detection of <i>Listeria monocytogenes</i> in pasteurized milk. <i>Journal of Dairy Science</i> , 2017 , 100, 7883-7890	4	30
73	Identification and characterization of species-specific nanobodies for the detection of <i>Listeria monocytogenes</i> in milk. <i>Analytical Biochemistry</i> , 2016 , 493, 1-7	3.1	29

72	Colorimetric ELISA based on glucose oxidase-regulated the color of acid-base indicator for sensitive detection of aflatoxin B1 in corn samples. <i>Food Control</i> , 2017 , 78, 317-323	6.2	29
71	Sulfonated polystyrene magnetic nanobeads coupled with immunochromatographic strip for clenbuterol determination in pork muscle. <i>Talanta</i> , 2014 , 129, 431-7	6.2	29
70	Ultrasensitive direct competitive FLISA using highly luminescent quantum dot beads for tuning affinity of competing antigens to antibodies. <i>Analytica Chimica Acta</i> , 2017 , 972, 94-101	6.6	27
69	Self-assembled colloidal gold superparticles to enhance the sensitivity of lateral flow immunoassays with sandwich format. <i>Theranostics</i> , 2020 , 10, 3737-3748	12.1	27
68	A portable electrochemical immunosensor for rapid detection of trace aflatoxin B1 in rice. <i>Analytical Methods</i> , 2016 , 8, 548-553	3.2	27
67	Affordable and simple method for separating and detecting ovarian cancer circulating tumor cells using BSA coated magnetic nanoprobe modified with folic acid. <i>Sensors and Actuators B: Chemical</i> , 2018 , 262, 611-618	8.5	26
66	Urease-induced metallization of gold nanorods for the sensitive detection of Salmonella enterica Choleraesuis through colorimetric ELISA. <i>Journal of Dairy Science</i> , 2019 , 102, 1997-2007	4	26
65	Gold nanorods etching-based plasmonic immunoassay for qualitative and quantitative detection of aflatoxin M1 in milk. <i>Food Chemistry</i> , 2020 , 329, 127160	8.5	24
64	Inner-filter effect based fluorescence-quenching immunochromatographic assay for sensitive detection of aflatoxin B1 in soybean sauce. <i>Food Control</i> , 2018 , 94, 71-76	6.2	24
63	Citrinin detection using phage-displayed anti-idiotypic single-domain antibody for antigen mimicry. <i>Food Chemistry</i> , 2015 , 177, 97-101	8.5	23
62	Fluorescence ELISA based on glucose oxidase-mediated fluorescence quenching of quantum dots for highly sensitive detection of Hepatitis B. <i>Talanta</i> , 2018 , 181, 258-264	6.2	20
61	Effect of the tip length of multi-branched AuNFs on the detection performance of immunochromatographic assays. <i>Analytical Methods</i> , 2016 , 8, 3316-3324	3.2	20
60	Sensitive detection of Escherichia coli O157:H7 based on cascade signal amplification in ELISA. <i>Journal of Dairy Science</i> , 2016 , 99, 7025-7032	4	20
59	Supramolecular Recognition-Mediated Layer-by-Layer Self-Assembled Gold Nanoparticles for Customized Sensitivity in Paper-Based Strip Nanobiosensors. <i>Small</i> , 2019 , 15, e1903861	11	19
58	Controllable self-assembled plasmonic vesicle-based three-dimensional SERS platform for picomolar detection of hydrophobic contaminants. <i>Nanoscale</i> , 2018 , 10, 13202-13211	7.7	18
57	Fluorescence ELISA based on CAT-regulated fluorescence quenching of CdTe QDs for sensitive detection of FB1. <i>Analytical Methods</i> , 2018 , 10, 5797-5802	3.2	18
56	Invited review: Advancements in lateral flow immunoassays for screening hazardous substances in milk and milk powder. <i>Journal of Dairy Science</i> , 2019 , 102, 1887-1900	4	17
55	Point-of-care COVID-19 diagnostics powered by lateral flow assay. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 145, 116452	14.6	17

54	Comparison of immunochromatographic assays based on fluorescent microsphere and quantum-dot submicrobead for quantitative detection of aflatoxin M in milk. <i>Journal of Dairy Science</i> , 2017 , 100, 2501-2511	4	16
53	Gold Nanoflower-Enhanced Dynamic Light Scattering Immunosensor for the Ultrasensitive No-Wash Detection of O157:H7 in Milk. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 9104-9111	5.7	16
52	Ultrahigh-sensitivity label-free optical fiber biosensor based on a tapered singlemode- no core-singlemode coupler for <i>Staphylococcus aureus</i> detection. <i>Sensors and Actuators B: Chemical</i> , 2020 , 320, 128283	8.5	16
51	Core-Shell-Heterostructured Magnetic-Plasmonic Nanoassemblies with Highly Retained Magnetic-Plasmonic Activities for Ultrasensitive Bioanalysis in Complex Matrix. <i>Advanced Science</i> , 2020 , 7, 1902433	13.6	16
50	Quantitative detection of β -adrenergic agonists using fluorescence quenching by immunochromatographic assay. <i>Analytical Methods</i> , 2016 , 8, 627-631	3.2	15
49	Fluorescence immunoassay based on the enzyme cleaving ss-DNA to regulate the synthesis of histone-ds-poly(AT) templated copper nanoparticles. <i>Nanoscale</i> , 2018 , 10, 19890-19897	7.7	15
48	Magnetic beads carrying poly(acrylic acid) brushes as nanobody containers for immunoaffinity purification of aflatoxin B1 from corn samples. <i>RSC Advances</i> , 2015 , 5, 77380-77387	3.7	14
47	Natural enzyme-free colorimetric immunoassay for human chorionic gonadotropin detection based on the Ag ⁺ -triggered catalytic activity of cetyltrimethylammonium bromide-coated gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2020 , 305, 127439	8.5	14
46	Plasmonic ELISA based on DNA-directed gold nanoparticle growth for <i>Cronobacter</i> detection in powdered infant formula samples. <i>Journal of Dairy Science</i> , 2019 , 102, 10877-10886	4	14
45	Direct competitive ELISA enhanced by dynamic light scattering for the ultrasensitive detection of aflatoxin B in corn samples. <i>Food Chemistry</i> , 2021 , 342, 128327	8.5	14
44	Dual-mode fluorescent and colorimetric immunoassay for the ultrasensitive detection of alpha-fetoprotein in serum samples. <i>Analytica Chimica Acta</i> , 2018 , 1038, 112-119	6.6	14
43	Quantum bead-based fluorescence-linked immunosorbent assay for ultrasensitive detection of aflatoxin M in pasteurized milk, yogurt, and milk powder. <i>Journal of Dairy Science</i> , 2019 , 102, 3985-3993	4	13
42	A Gold Growth-Based Plasmonic ELISA for the Sensitive Detection of Fumonisin B in Maize. <i>Toxins</i> , 2019 , 11,	4.9	13
41	Monoclonal antibody-based enzyme-linked immunosorbent assay for detection of total malachite green and crystal violet residues in fishery products. <i>International Journal of Environmental Analytical Chemistry</i> , 2013 , 93, 959-969	1.8	13
40	A novel magneto-gold nanohybrid-enhanced lateral flow immunoassay for ultrasensitive and rapid detection of ochratoxin A in grape juice. <i>Food Chemistry</i> , 2021 , 336, 127710	8.5	13
39	Recent advances in colorimetry/fluorimetry-based dual-modal sensing technologies. <i>Biosensors and Bioelectronics</i> , 2021 , 190, 113386	11.8	12
38	Solution-processed multifunctional transparent conductive films based on long silver nanowires/polyimide structure with highly thermostable and antibacterial properties. <i>RSC Advances</i> , 2017 , 7, 28670-28676	3.7	11
37	Controlled copper in situ growth-amplified lateral flow sensors for sensitive, reliable, and field-deployable infectious disease diagnostics. <i>Biosensors and Bioelectronics</i> , 2021 , 171, 112753	11.8	11

36	Colorimetric ELISA with an acid-base indicator for sensitive detection of ochratoxin A in corn samples. <i>Analytical Methods</i> , 2018 , 10, 30-36	3.2	11
35	AI-Egens: An emerging fluorescent sensing tool to aid food safety and quality control. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2020 , 19, 2297-2329	16.4	10
34	"Three-in-One" Multifunctional Nanohybrids with Colorimetric Magnetic Catalytic Activities to Enhance Immunochromatographic Diagnosis.. <i>ACS Nano</i> , 2022 ,	16.7	10
33	Integrated gold superparticles into lateral flow immunoassays for the rapid and sensitive detection of Escherichia coli O157:H7 in milk. <i>Journal of Dairy Science</i> , 2020 , 103, 6940-6949	4	9
32	Ensuring food safety using fluorescent nanoparticles-based immunochromatographic test strips. <i>Trends in Food Science and Technology</i> , 2021 , 118, 658-658	15.3	9
31	Development of a rapid and sensitive quantum dot nanobead-based double-antigen sandwich lateral flow immunoassay and its clinical performance for the detection of SARS-CoV-2 total antibodies. <i>Sensors and Actuators B: Chemical</i> , 2021 , 343, 130139	8.5	9
30	Integrated magneto-fluorescence nanobeads for ultrasensitive glycoprotein detection using antibody coupled boronate-affinity recognition. <i>Chemical Communications</i> , 2019 , 55, 10312-10315	5.8	8
29	Comparison of three sample addition methods in competitive and sandwich colloidal gold immunochromatographic assay. <i>Analytica Chimica Acta</i> , 2020 , 1094, 90-98	6.6	8
28	Fluorescence immunoassay through histone-ds-poly(AT)-templated copper nanoparticles as signal transducers for the sensitive detection of Salmonella choleraesuis in milk. <i>Journal of Dairy Science</i> , 2019 , 102, 6047-6055	4	7
27	Gold nanoparticle-decorated metal organic frameworks on immunochromatographic assay for human chorionic gonadotropin detection. <i>Mikrochimica Acta</i> , 2020 , 187, 640	5.8	7
26	Quantum Dot Submicrobead-Based Immunochromatographic Assay for the Determination of Parathion in Agricultural Products. <i>Food Analytical Methods</i> , 2020 , 13, 1736-1745	3.4	7
25	Recent advances in enzyme-enhanced immunosensors. <i>Biotechnology Advances</i> , 2021 , 53, 107867	17.8	6
24	Hydrazide mediated oriented coupling of antibodies on quantum dot beads for enhancing detection performance of immunochromatographic assay. <i>Talanta</i> , 2021 , 223, 121723	6.2	6
23	Tailoring noble metal nanoparticle designs to enable sensitive lateral flow immunoassay.. <i>Theranostics</i> , 2022 , 12, 574-602	12.1	5
22	A fluorescence immunochromatographic assay for rapid and sensitive detection of human prealbumin in serum. <i>Analytical Methods</i> , 2015 , 7, 8683-8688	3.2	4
21	Quantum dot bead-based immunochromatographic assay for the quantitative detection of triazophos. <i>Food and Agricultural Immunology</i> , 2019 , 30, 955-967	2.9	4
20	Gold Nanobeads with Enhanced Absorbance for Improved Sensitivity in Competitive Lateral Flow Immunoassays. <i>Foods</i> , 2021 , 10,	4.9	4
19	Integrated nanoparticle size with membrane porosity for improved analytical performance in sandwich immunochromatographic assay. <i>Analytica Chimica Acta</i> , 2021 , 1141, 136-143	6.6	4

18	Quantum dot nanobead-based immunochromatographic assay for the quantitative detection of the procalcitonin antigen in serum samples. <i>Microchemical Journal</i> , 2020 , 159, 105533	4.8	3
17	Hydrazide-assisted directional antibody conjugation of gold nanoparticles to enhance immunochromatographic assay. <i>Analytica Chimica Acta</i> , 2021 , 1168, 338623	6.6	3
16	An amphiphilic-ligand-modified gold nanoflower probe for enhancing the stability of lateral flow immunoassays in dried distillers grains.. <i>RSC Advances</i> , 2019 , 9, 36670-36679	3.7	3
15	I/I-mediated fluorescence quenching of an Ag-doped gold nanocluster-based immunoassay for sensitive detection of Escherichia coli O157:H7 in milk.. <i>Journal of Dairy Science</i> , 2022 ,	4	2
14	Hyperbranched Gold Plasmonic Blackbodies Enhanced Immunochromatographic Test Strip for the Sensitive Detection of Aflatoxin B1 in Maize Sample. <i>Food Analytical Methods</i> , 2021 , 14, 2017-2025	3.4	2
13	Dynamic light scattering immunosensor based on metal-organic framework mediated gold growth strategy for the ultra-sensitive detection of alpha-fetoprotein. <i>Sensors and Actuators B: Chemical</i> , 2021 , 341, 130030	8.5	2
12	Chemical modification of M13 bacteriophage as nanozyme container for dramatically enhanced sensitivity of colorimetric immunosensor. <i>Sensors and Actuators B: Chemical</i> , 2021 , 346, 130368	8.5	2
11	Highly sensitive detection of Hg ²⁺ using covalent linking single-strand DNA to the surface of graphene oxide with co-anchor strand. <i>Analytical Methods</i> , 2019 , 11, 4416-4420	3.2	1
10	Magnetic Plasmonic Nanoassemblies: Core-Shell-Heterostructured Magnetic Plasmonic Nanoassemblies with Highly Retained Magnetic Plasmonic Activities for Ultrasensitive Bioanalysis in Complex Matrix (Adv. Sci. 2/2020). <i>Advanced Science</i> , 2020 , 7, 2070011	13.6	1
9	Ultrasensitive dynamic light scattering immunosensing platform for NT-proBNP detection using boronate affinity amplification.. <i>Journal of Nanobiotechnology</i> , 2022 , 20, 21	9.4	1
8	Low-sample-consumption and ultrasensitive detection of procalcitonin by boronate affinity recognition-enhanced dynamic light scattering biosensor.. <i>Biosensors and Bioelectronics</i> , 2021 , 200, 113914	11.8	1
7	A self-luminous bifunctional bacteria directed fluorescent immunosensor for the simultaneous detection and quantification of three pathogens in milk. <i>Sensors and Actuators B: Chemical</i> , 2021 , 338, 129757	8.5	1
6	Light scattering intensity as signal transducer to enhance the performance of immunoassay for Cronobacter detection in powdered infant formula. <i>Sensors and Actuators B: Chemical</i> , 2021 , 344, 130312	8.5	1
5	Avoiding the self-nucleation interference: a pH-regulated gold growth strategy to enable ultrasensitive immunochromatographic diagnostics.. <i>Theranostics</i> , 2022 , 12, 2801-2810	12.1	1
4	A novel method based on Ag-Au nanorings with tunable plasmonic properties for the sensitive detection of amantadine.. <i>Journal of Hazardous Materials</i> , 2022 , 431, 128498	12.8	1
3	Boronate affinity-assisted oriented antibody conjugation on quantum dot nanobeads for improved detection performance in lateral flow immunoassay. <i>Microchemical Journal</i> , 2021 , 171, 106822	4.8	0
2	Covalent organic framework-gold nanoparticle heterostructures amplified dynamic light scattering immunosensor for ultrasensitive detection of NT-proBNP in whole blood. <i>Sensors and Actuators B: Chemical</i> , 2022 , 364, 131872	8.5	0
1	Amphiphilic ligand modified gold nanocarriers to amplify lanthanide loading for ultrasensitive DELFIA detection of Cronobacter. <i>Analyst, The</i> , 2019 , 145, 249-256	5	

