

Hua Kuang

List of Publications by Citations

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446
papers

15,986
citations

61
h-index

105
g-index

481
ext. papers

19,370
ext. citations

7.8
avg, IF

7.06
L-index

#	Paper	IF	Citations
446	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020 , 14, 28-117	16.7	1000
445	Chiral Inorganic Nanostructures. <i>Chemical Reviews</i> , 2017 , 117, 8041-8093	68.1	435
444	Attomolar DNA detection with chiral nanorod assemblies. <i>Nature Communications</i> , 2013 , 4, 2689	17.4	381
443	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, 306-12	16.4	329
442	Self-assembly of chiral nanoparticle pyramids with strong R/S optical activity. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15114-21	16.4	316
441	Unexpected chirality of nanoparticle dimers and ultrasensitive chiroplasmonic bioanalysis. <i>Journal of the American Chemical Society</i> , 2013 , 135, 18629-36	16.4	241
440	SERS encoded silver pyramids for attomolar detection of multiplexed disease biomarkers. <i>Advanced Materials</i> , 2015 , 27, 1706-11	24	240
439	Regiospecific plasmonic assemblies for in situ Raman spectroscopy in live cells. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1699-709	16.4	240
438	Side-by-side and end-to-end gold nanorod assemblies for environmental toxin sensing. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 5472-5	16.4	231
437	Hierarchical Plasmonic Nanorods and Upconversion Core-Satellite Nanoassemblies for Multimodal Imaging-Guided Combination Phototherapy. <i>Advanced Materials</i> , 2016 , 28, 898-904	24	215
436	Dual Quantification of MicroRNAs and Telomerase in Living Cells. <i>Journal of the American Chemical Society</i> , 2017 , 139, 11752-11759	16.4	209
435	Dynamic nanoparticle assemblies. <i>Accounts of Chemical Research</i> , 2012 , 45, 1916-26	24.3	198
434	A SERS active gold nanostar dimer for mercury ion detection. <i>Chemical Communications</i> , 2013 , 49, 4989-918	18	189
433	Nanoparticle assemblies: dimensional transformation of nanomaterials and scalability. <i>Chemical Society Reviews</i> , 2013 , 42, 3114-26	58.5	188
432	Fabricated aptamer-based electrochemical "signal-off" sensor of ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 710-6	11.8	183
431	Chiral plasmonics of self-assembled nanorod dimers. <i>Scientific Reports</i> , 2013 , 3, 1934	4.9	165
430	SERS-active Au@Ag nanorod dimers for ultrasensitive dopamine detection. <i>Biosensors and Bioelectronics</i> , 2015 , 71, 7-12	11.8	146

429	Analytical methods and recent developments in the detection of melamine. <i>TrAC - Trends in Analytical Chemistry</i> , 2010 , 29, 1239-1249	14.6	146
428	Shell-engineered chiroplasmonic assemblies of nanoparticles for zeptomolar DNA detection. <i>Nano Letters</i> , 2014 , 14, 3908-13	11.5	145
427	A gold nanoparticle-based semi-quantitative and quantitative ultrasensitive paper sensor for the detection of twenty mycotoxins. <i>Nanoscale</i> , 2016 , 8, 5245-53	7.7	136
426	Chiral Molecule-mediated Porous Cu O Nanoparticle Clusters with Antioxidation Activity for Ameliorating Parkinson's Disease. <i>Journal of the American Chemical Society</i> , 2019 , 141, 1091-1099	16.4	134
425	Fluorescent strip sensor for rapid determination of toxins. <i>Chemical Communications</i> , 2011 , 47, 1574-6	5.8	133
424	An aptamer-based chromatographic strip assay for sensitive toxin semi-quantitative detection. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 3059-62	11.8	125
423	Site-selective photoinduced cleavage and profiling of DNA by chiral semiconductor nanoparticles. <i>Nature Chemistry</i> , 2018 , 10, 821-830	17.6	120
422	Ultrasensitive immunochromatographic assay for the simultaneous detection of five chemicals in drinking water. <i>Biosensors and Bioelectronics</i> , 2015 , 66, 445-53	11.8	116
421	Rapid and highly sensitive detection of lead ions in drinking water based on a strip immunosensor. <i>Sensors</i> , 2013 , 13, 4214-24	3.8	115
420	A SERS-active sensor based on heterogeneous gold nanostar core-silver nanoparticle satellite assemblies for ultrasensitive detection of aflatoxinB1. <i>Nanoscale</i> , 2016 , 8, 1873-8	7.7	113
419	Crown ether assembly of gold nanoparticles: melamine sensor. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 2032-7	11.8	113
418	Multigaps Embedded Nanoassemblies Enhance In Situ Raman Spectroscopy for Intracellular Telomerase Activity Sensing. <i>Advanced Functional Materials</i> , 2016 , 26, 1602-1608	15.6	109
417	Propeller-Like Nanorod-Upconversion Nanoparticle Assemblies with Intense Chiroptical Activity and Luminescence Enhancement in Aqueous Phase. <i>Advanced Materials</i> , 2016 , 28, 5907-15	24	107
416	A Chiral-Nanoassemblies-Enabled Strategy for Simultaneously Profiling Surface Glycoprotein and MicroRNA in Living Cells. <i>Advanced Materials</i> , 2017 , 29, 1703410	24	102
415	Recent developments in analytical applications of quantum dots. <i>TrAC - Trends in Analytical Chemistry</i> , 2011 , 30, 1620-1636	14.6	94
414	Ultrasensitive SERS detection of mercury based on the assembled gold nanochains. <i>Biosensors and Bioelectronics</i> , 2015 , 67, 472-6	11.8	93
413	MicroRNA-Directed Intracellular Self-Assembly of Chiral Nanorod Dimers. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10544-10548	16.4	93
412	Hybrid Nanoparticle Pyramids for Intracellular Dual MicroRNAs Biosensing and Bioimaging. <i>Advanced Materials</i> , 2017 , 29, 1606086	24	91

411	Triple Raman Label-Encoded Gold Nanoparticle Trimers for Simultaneous Heavy Metal Ion Detection. <i>Small</i> , 2015 , 11, 3435-9	11	91
410	Gold nanorod assembly based approach to toxin detection by SERS. <i>Journal of Materials Chemistry</i> , 2012 , 22, 2387-2391		89
409	Nanoparticle-based sensors for food contaminants. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 113, 74-83	14.6	86
408	Unusual Circularly Polarized Photocatalytic Activity in Nanogapped Gold/Silver Chiroplasmonic Nanostructures. <i>Advanced Functional Materials</i> , 2015 , 25, 5816-5822	15.6	85
407	A one-step homogeneous plasmonic circular dichroism detection of aqueous mercury ions using nucleic acid functionalized gold nanorods. <i>Chemical Communications</i> , 2012 , 48, 11889-91	5.8	85
406	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	3.4	84
405	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	79
404	Environmentally responsive plasmonic nanoassemblies for biosensing. <i>Chemical Society Reviews</i> , 2018 , 47, 4677-4696	58.5	78
403	A SERS active bimetallic core-satellite nanostructure for the ultrasensitive detection of Mucin-1. <i>Chemical Communications</i> , 2015 , 51, 14761-3	5.8	77
402	Gold-Quantum Dot Core-Satellite Assemblies for Lighting Up MicroRNA In Vitro and In Vivo. <i>Small</i> , 2016 , 12, 4662-8	11	77
401	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	5.7	77
400	Intracellular localization of nanoparticle dimers by chirality reversal. <i>Nature Communications</i> , 2017 , 8, 1847	17.4	76
399	Ultrasensitive aptamer-based SERS detection of PSAs by heterogeneous satellite nanoassemblies. <i>Chemical Communications</i> , 2014 , 50, 9737-40	5.8	75
398	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, 21178-83	9.5	74
397	Chiral Core-Shell Upconversion Nanoparticle@MOF Nanoassemblies for Quantification and Bioimaging of Reactive Oxygen Species. <i>Journal of the American Chemical Society</i> , 2019 , 141, 19373-19378	16.4	73
396	A Singlet Oxygen Generating Agent by Chirality-dependent Plasmonic Shell-Satellite Nanoassembly. <i>Advanced Materials</i> , 2017 , 29, 1606864	24	71
395	Chirality based sensor for bisphenol A detection. <i>Chemical Communications</i> , 2012 , 48, 5760-2	5.8	71
394	Alternating Plasmonic Nanoparticle Heterochains Made by Polymerase Chain Reaction and Their Optical Properties. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 641-7	6.4	69

393	Oligonucleotide-based fluorogenic sensor for simultaneous detection of heavy metal ions. <i>Biosensors and Bioelectronics</i> , 2012 , 36, 174-8	11.8	68
392	Development of an immunochromatographic strip test for rapid detection of ciprofloxacin in milk samples. <i>Sensors</i> , 2014 , 14, 16785-98	3.8	67
391	Chirality-based Au@Ag Nanorod Dimers Sensor for Ultrasensitive PSA Detection. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 12708-12	9.5	66
390	Tuning the interactions between chiral plasmonic films and living cells. <i>Nature Communications</i> , 2017 , 8, 2007	17.4	65
389	Development of a Broad Specific Monoclonal Antibody for Fluoroquinolone Analysis. <i>Food Analytical Methods</i> , 2014 , 7, 2163-2168	3.4	62
388	SERS- and luminescence-active Au-Au-UCNP trimers for attomolar detection of two cancer biomarkers. <i>Nanoscale</i> , 2017 , 9, 3865-3872	7.7	61
387	Gold immunochromatographic sensor for the rapid detection of twenty-six sulfonamides in foods. <i>Nano Research</i> , 2017 , 10, 2833-2844	10	61
386	Development of an ELISA and immunochromatographic strip for highly sensitive detection of microcystin-LR. <i>Sensors</i> , 2014 , 14, 14672-85	3.8	61
385	Building SERS-active heteroassemblies for ultrasensitive Bisphenol A detection. <i>Biosensors and Bioelectronics</i> , 2016 , 81, 138-142	11.8	59
384	Gold Core-DNA-Silver Shell Nanoparticles with Intense Plasmonic Chiroptical Activities. <i>Advanced Functional Materials</i> , 2015 , 25, 850-854	15.6	59
383	Ultrasensitive Detection of Prostate-Specific Antigen and Thrombin Based on Gold-Upconversion Nanoparticle Assembled Pyramids. <i>Small</i> , 2017 , 13, 1603944	11	58
382	Chirality-Based Biosensors. <i>Advanced Functional Materials</i> , 2019 , 29, 1805512	15.6	58
381	Gold nanorod ensembles as artificial molecules for applications in sensors. <i>Journal of Materials Chemistry</i> , 2011 , 21, 16759		57
380	Multiplex lateral flow immunoassay for five antibiotics detection based on gold nanoparticle aggregations. <i>RSC Advances</i> , 2016 , 6, 7798-7805	3.7	56
379	Development of a monoclonal antibody-based immunochromatographic strip for cephalexin. <i>Food and Agricultural Immunology</i> , 2015 , 26, 282-292	2.9	56
378	Asymmetric plasmonic aptasensor for sensitive detection of bisphenol A. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 364-9	9.5	56
377	Chiral Semiconductor Nanoparticles for Protein Catalysis and Profiling. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 7371-7374	16.4	55
376	Monoclonal antibody-based sandwich ELISA for the detection of staphylococcal enterotoxin A. <i>International Journal of Environmental Research and Public Health</i> , 2013 , 10, 1598-608	4.6	54

375	A gold immunochromatographic assay for the rapid and simultaneous detection of fifteen β -lactams. <i>Nanoscale</i> , 2015 , 7, 16381-8	7.7	53
374	Colloidal gold-based immunochromatographic strip assay for the rapid detection of three natural estrogens in milk. <i>Food Chemistry</i> , 2018 , 259, 122-129	8.5	53
373	Biocompatible Cup-Shaped Nanocrystal with Ultrahigh Photothermal Efficiency as Tumor Therapeutic Agent. <i>Advanced Functional Materials</i> , 2017 , 27, 1700605	15.6	52
372	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	16.4	52
371	Sensitive Detection of Silver Ions Based on Chiroplasmonic Assemblies of Nanoparticles. <i>Advanced Optical Materials</i> , 2013 , 1, 626-630	8.1	52
370	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	11.5	52
369	Artificial Chiral Probes and Bioapplications. <i>Advanced Materials</i> , 2020 , 32, e1802075	24	52
368	Development of an enzyme-linked immunosorbent assay for the alpha-cyano pyrethroids multiresidue in Tai lake water. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 3033-9	5.7	51
367	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	8.5	50
366	Femtogram ultrasensitive aptasensor for the detection of Ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2013 , 42, 545-9	11.8	50
365	Effect of bisphenol A on rat metabolic profiling studied by using capillary electrophoresis time-of-flight mass spectrometry. <i>Environmental Science & Technology</i> , 2013 , 47, 7457-65	10.3	50
364	A one-step homogeneous sandwich immunosensor for Salmonella detection based on magnetic nanoparticles (MNPs) and quantum Dots (QDs). <i>International Journal of Molecular Sciences</i> , 2013 , 14, 8603-10	6.3	50
363	A highly sensitive ELISA and immunochromatographic strip for the detection of Salmonella typhimurium in milk samples. <i>Sensors</i> , 2015 , 15, 5281-92	3.8	49
362	Gold Nanoparticle-Based Paper Sensor for Simultaneous Detection of 11 Benzimidazoles by One Monoclonal Antibody. <i>Small</i> , 2018 , 14, 1701782	11	49
361	Identification and quantification of eight Listeria monocytogene serotypes from Listeria spp. using a gold nanoparticle-based lateral flow assay. <i>Mikrochimica Acta</i> , 2017 , 184, 715-724	5.8	46
360	Highly selective recognition and ultrasensitive quantification of enantiomers. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 4478-4483	7.3	46
359	Frontiers in circularly polarized luminescence: molecular design, self-assembly, nanomaterials, and applications. <i>Science China Chemistry</i> , 2021 , 64, 2060	7.9	46
358	Photoactive Hybrid AuNR-Pt@Ag ₂ S Core-Satellite Nanostructures for Near-Infrared Quantitative Cell Imaging. <i>Advanced Functional Materials</i> , 2017 , 27, 1703408	15.6	45

357	Comparison of an immunochromatographic strip with ELISA for simultaneous detection of thiamphenicol, florfenicol and chloramphenicol in food samples. <i>Biomedical Chromatography</i> , 2015 , 29, 1432-9	1.7	45
356	Rapid and sensitive detection of diclazuril in chicken samples using a gold nanoparticle-based lateral-flow strip. <i>Food Chemistry</i> , 2020 , 312, 126116	8.5	45
355	A colorimetric paper-based sensor for toltrazuril and its metabolites in feed, chicken, and egg samples. <i>Food Chemistry</i> , 2019 , 276, 707-713	8.5	45
354	Spiky Fe ₃ O ₄ @Au Supraparticles for Multimodal In Vivo Imaging. <i>Advanced Functional Materials</i> , 2018 , 28, 1800310	15.6	44
353	Spiny Nanorod and Upconversion Nanoparticle Satellite Assemblies for Ultrasensitive Detection of Messenger RNA in Living Cells. <i>Analytical Chemistry</i> , 2018 , 90, 5414-5421	7.8	44
352	Ultrasensitive SERS detection of VEGF based on a self-assembled Ag ornamented-AU pyramid superstructure. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 593-597	11.8	44
351	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	15.6	43
350	Nanoshell-Enhanced Raman Spectroscopy on a Microplate for Staphylococcal Enterotoxin B Sensing. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15591-7	9.5	43
349	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	2.9	42
348	Pyramidal sensor platform with reversible chiroptical signals for DNA detection. <i>Small</i> , 2014 , 10, 4293-7	11	42
347	Direct observation of selective autophagy induction in cells and tissues by self-assembled chiral nanodevice. <i>Nature Communications</i> , 2018 , 9, 4494	17.4	42
346	SERS encoded nanoparticle heterodimers for the ultrasensitive detection of folic acid. <i>Biosensors and Bioelectronics</i> , 2016 , 75, 55-8	11.8	41
345	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	2.9	41
344	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	2.9	41
343	Scissor-Like Chiral Metamolecules for Probing Intracellular Telomerase Activity. <i>Advanced Functional Materials</i> , 2016 , 26, 7352-7358	15.6	41
342	Self-assembled nanoparticle dimers with contemporarily relevant properties and emerging applications. <i>Materials Today</i> , 2016 , 19, 595-606	21.8	41
341	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	2.9	41
340	Sensitive and Specific DNA Detection Based on Nicking Endonuclease-Assisted Fluorescence Resonance Energy Transfer Amplification. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 16315-16321	3.8	41

339	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, 4387-92	11.8	41
338	Development of an immunoassay for carbendazim based on a class-selective monoclonal antibody. <i>Food and Agricultural Immunology</i> , 2015 , 26, 659-670	2.9	40
337	Chiral Shell Core-Satellite Nanostructures for Ultrasensitive Detection of Mycotoxin. <i>Small</i> , 2018 , 14, e1703931	11	40
336	Gold-Nanoparticle-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	3.1	39
335	Light-Induced Chiral Iron Copper Selenide Nanoparticles Prevent β Amyloidopathy In Vivo. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7131-7138	16.4	38
334	Colorimetric detection of mercury based on a strip sensor. <i>Analytical Methods</i> , 2014 , 6, 6247-6253	3.2	38
333	Assembled plasmonic asymmetric heterodimers with tailorable chiroptical response. <i>Small</i> , 2014 , 10, 1805-12	11	38
332	Paper supported immunosensor for detection of antibiotics. <i>Biosensors and Bioelectronics</i> , 2012 , 33, 309-128	11.8	38
331	Preparing monoclonal antibodies and developing immunochromatographic strips for paraquat determination in water. <i>Food Chemistry</i> , 2020 , 311, 125897	8.5	38
330	Chiral Upconversion Heterodimers for Quantitative Analysis and Bioimaging of Antibiotic-Resistant Bacteria In Vivo. <i>Advanced Materials</i> , 2018 , 30, e1804241	24	38
329	Tuning of chiral construction, structural diversity, scale transformation and chiroptical applications. <i>Materials Horizons</i> , 2018 , 5, 141-161	14.4	37
328	Plasmonic Core-Satellites Nanostructures with High Chirality and Bioproperty. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 2379-84	6.4	37
327	Simultaneous determination of thiamphenicol, florfenicol and florfenicol amine in swine muscle by liquid chromatography-tandem mass spectrometry with immunoaffinity chromatography clean-up. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010 , 878, 207-12	3.2	37
326	Enantiomer-dependent immunological response to chiral nanoparticles.. <i>Nature</i> , 2022 , 601, 366-373	50.4	36
325	Stimulation of neural stem cell differentiation by circularly polarized light transduced by chiral nanoassemblies. <i>Nature Biomedical Engineering</i> , 2021 , 5, 103-113	19	36
324	Heterostructures of MOFs and Nanorods for Multimodal Imaging. <i>Advanced Functional Materials</i> , 2018 , 28, 1805320	15.6	36
323	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	2.9	35
322	Au@gap@AuAg Nanorod Side-by-Side Assemblies for Ultrasensitive SERS Detection of Mercury and its Transformation. <i>Small</i> , 2019 , 15, e1901958	11	35

321	Development of sensitive and fast immunoassays for amantadine detection. <i>Food and Agricultural Immunology</i> , 2016 , 27, 678-688	2.9	35
320	A silver enhanced and sensitive strip sensor for Cadmium detection. <i>Food and Agricultural Immunology</i> , 2014 , 25, 287-300	2.9	35
319	Development and validation of a sandwich ELISA for quantification of peanut agglutinin (PNA) in foods. <i>Food and Agricultural Immunology</i> , 2012 , 23, 265-272	2.9	35
318	Nanoscale superstructures assembled by polymerase chain reaction (PCR): programmable construction, structural diversity, and emerging applications. <i>Accounts of Chemical Research</i> , 2013 , 46, 2341-54	24.3	35
317	Development of a monoclonal antibody-based ELISA to detect Escherichia coli O157:H7. <i>Food and Agricultural Immunology</i> , 2013 , 24, 481-487	2.9	35
316	Development of an immunochromatographic strip assay for ractopamine detection using an ultrasensitive monoclonal antibody. <i>Food and Agricultural Immunology</i> , 2016 , 27, 471-483	2.9	34
315	Tailoring Chiroptical Activity of Iron Disulfide Quantum Dot Hydrogels with Circularly Polarized Light. <i>Advanced Materials</i> , 2019 , 31, e1903200	24	34
314	A ligation DNAzyme-induced magnetic nanoparticles assembly for ultrasensitive detection of copper ions. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 4752-7	9.5	34
313	Antibody for the development of specific immunoassays to detect nadifloxacin in chicken muscles. <i>Food and Agricultural Immunology</i> , 2015 , 26, 317-324	2.9	34
312	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		34
311	Development of a monoclonal antibody assay and a lateral flow strip test for the detection of paromomycin residues in food matrices. <i>Food and Agricultural Immunology</i> , 2017 , 28, 355-373	2.9	33
310	General immunoassay for pyrethroids based on a monoclonal antibody. <i>Food and Agricultural Immunology</i> , 2014 , 25, 341-349	2.9	33
309	Development of ELISA for melamine detection in milk powder. <i>Food and Agricultural Immunology</i> , 2013 , 24, 79-86	2.9	33
308	Regioselective plasmonic nano-assemblies for bimodal sub-femtomolar dopamine detection. <i>Nanoscale</i> , 2017 , 9, 223-229	7.7	33
307	Nucleic Acids Analysis. <i>Science China Chemistry</i> , 2020 , 64, 1-33	7.9	33
306	A self-assembled chiral-aptasensor for ATP activity detection. <i>Nanoscale</i> , 2016 , 8, 15008-15	7.7	32
305	Orientational nanoparticle assemblies and biosensors. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 220-36	11.8	32
304	Immunoaffinity removal and immunoassay for rhodamine B in chilli powder. <i>International Journal of Food Science and Technology</i> , 2010 , 45, 2589-2595	3.8	32

303	G-quadruplex DNAzyme-based microcystin-LR (toxin) determination by a novel immunosensor. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 4393-8	11.8	32
302	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	2.9	31
301	Facile and rapid magnetic relaxation switch immunosensor for endocrine-disrupting chemicals. <i>Biosensors and Bioelectronics</i> , 2012 , 32, 183-7	11.8	31
300	Development of an enzyme-linked immunosorbent assay for dibutyl phthalate in liquor. <i>Sensors</i> , 2013 , 13, 8331-9	3.8	31
299	New Synthesis Strategy for DNA Functional Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 3243-3249	3.8	31
298	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	2.9	31
297	Rapid on-site determination of melamine in raw milk by an immunochromatographic strip. <i>International Journal of Food Science and Technology</i> , 2012 , 47, 1505-1510	3.8	30
296	Development of a monoclonal antibody-based sandwich ELISA for peanut allergen Ara h 1 in food. <i>International Journal of Environmental Research and Public Health</i> , 2013 , 10, 2897-905	4.6	30
295	Rapid detection of aldicarb in cucumber with an immunochromatographic test strip. <i>Food and Agricultural Immunology</i> , 2017 , 28, 427-438	2.9	29
294	Chiral Cu OS@ZIF-8 Nanostructures for Ultrasensitive Quantification of Hydrogen Sulfide In Vivo. <i>Advanced Materials</i> , 2020 , 32, e1906580	24	29
293	Wash-free magnetic oligonucleotide probes-based NMR sensor for detecting the Hg ion. <i>Chemical Communications</i> , 2011 , 47, 12503-5	5.8	29
292	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	2.9	29
291	Side-by-Side and End-to-End Gold Nanorod Assemblies for Environmental Toxin Sensing. <i>Angewandte Chemie</i> , 2010 , 122, 5604-5607	3.6	29
290	Development of an indirect competitive enzyme-linked immunosorbent assay and immunochromatographic assay for hydrocortisone residues in milk. <i>Food and Agricultural Immunology</i> , 2017 , 28, 476-488	2.9	28
289	Development of monoclonal antibody and lateral test strip for sensitive detection of clenbuterol and related β -agonists in urine samples. <i>Food and Agricultural Immunology</i> , 2016 , 27, 111-127	2.9	28
288	Detection of aflatoxins in tea samples based on a class-specific monoclonal antibody. <i>International Journal of Food Science and Technology</i> , 2013 , 48, 1269-1274	3.8	28
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