

Huanhuan Li

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74
papers

1,754
citations

26
h-index

39
g-index

75
ext. papers

2,331
ext. citations

5.9
avg, IF

5.55
L-index

#	Paper	IF	Citations
74	Enhancing the antimicrobial activity of natural extraction using the synthetic ultrasmall metal nanoparticles. <i>Scientific Reports</i> , 2015 , 5, 11033	4.9	102
73	Fabricating a novel label-free aptasensor for acetamiprid by fluorescence resonance energy transfer between NH ₂ -NaYF ₄ : Yb, Ho@SiO ₂ and Au nanoparticles. <i>Biosensors and Bioelectronics</i> , 2016 , 80, 398-404	11.8	97
72	Turn-On Fluorescence Sensor for Hg in Food Based on FRET between Aptamers-Functionalized Upconversion Nanoparticles and Gold Nanoparticles. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 6188-6195	5.7	94
71	Fabricating an Acetylcholinesterase Modulated UCNPs-Cu Fluorescence Biosensor for Ultrasensitive Detection of Organophosphorus Pesticides-Diazinon in Food. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 4071-4079	5.7	82
70	Mesoporous silica supported orderly-spaced gold nanoparticles SERS-based sensor for pesticides detection in food. <i>Food Chemistry</i> , 2020 , 315, 126300	8.5	80
69	A magnetite/PMAA nanospheres-targeting SERS aptasensor for tetracycline sensing using mercapto molecules embedded core/shell nanoparticles for signal amplification. <i>Biosensors and Bioelectronics</i> , 2017 , 92, 192-199	11.8	74
68	Development of an Inner Filter Effects-Based Upconversion Nanoparticles-Curcumin Nanosystem for the Sensitive Sensing of Fluoride Ion. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 18314-18321	9.5	73
67	A large Raman scattering cross-section molecular embedded SERS aptasensor for ultrasensitive Aflatoxin B1 detection using CS-FeO for signal enrichment. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 189, 147-153	4.4	55
66	Evaluation of matcha tea quality index using portable NIR spectroscopy coupled with chemometric algorithms. <i>Journal of the Science of Food and Agriculture</i> , 2019 , 99, 5019-5027	4.3	54
65	Nondestructively sensing of total viable count (TVC) in chicken using an artificial olfaction system based colorimetric sensor array. <i>Journal of Food Engineering</i> , 2016 , 168, 259-266	6	50
64	Quantifying Total Viable Count in Pork Meat Using Combined Hyperspectral Imaging and Artificial Olfaction Techniques. <i>Food Analytical Methods</i> , 2016 , 9, 3015-3024	3.4	42
63	Non-destructive evaluation of pork freshness using a portable electronic nose (E-nose) based on a colorimetric sensor array. <i>Analytical Methods</i> , 2014 , 6, 6271-6277	3.2	40
62	Classification of different varieties of Oolong tea using novel artificial sensing tools and data fusion. <i>LWT - Food Science and Technology</i> , 2015 , 60, 781-787	5.4	37
61	Investigation of nonlinear relationship of surface enhanced Raman scattering signal for robust prediction of thiabendazole in apple. <i>Food Chemistry</i> , 2021 , 339, 127843	8.5	37
60	A highly sensitive detection of carbendazim pesticide in food based on the upconversion-MnO luminescent resonance energy transfer biosensor. <i>Food Chemistry</i> , 2021 , 349, 129157	8.5	37
59	AuNS@Ag core-shell nanocubes grafted with rhodamine for concurrent metal-enhanced fluorescence and surfaced enhanced Raman determination of mercury ions. <i>Analytica Chimica Acta</i> , 2018 , 1018, 94-103	6.6	32
58	Synthesized Au NPs@silica composite as surface-enhanced Raman spectroscopy (SERS) substrate for fast sensing trace contaminant in milk. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 206, 405-412	4.4	32

57	A facile and sensitive SERS-based biosensor for colorimetric detection of acetamiprid in green tea based on unmodified gold nanoparticles. <i>Journal of Food Measurement and Characterization</i> , 2019 , 13, 259-268	2.8	32
56	Fabricating a Novel Raman Spectroscopy-Based Aptasensor for Rapidly Sensing Salmonella typhimurium. <i>Food Analytical Methods</i> , 2017 , 10, 3032-3041	3.4	31
55	Quantifying of total volatile basic nitrogen (TVB-N) content in chicken using a colorimetric sensor array and nonlinear regression tool. <i>Analytical Methods</i> , 2015 , 7, 5682-5688	3.2	30
54	rGO-NS SERS-based coupled chemometric prediction of acetamiprid residue in green tea. <i>Journal of Food and Drug Analysis</i> , 2019 , 27, 145-153	7	30
53	Synthesis of improved upconversion nanoparticles as ultrasensitive fluorescence probe for mycotoxins. <i>Analytica Chimica Acta</i> , 2016 , 938, 137-45	6.6	30
52	Determination of rice syrup adulterant concentration in honey using three-dimensional fluorescence spectra and multivariate calibrations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 131, 177-82	4.4	29
51	Fast sensing of imidacloprid residue in tea using surface-enhanced Raman scattering by comparative multivariate calibration. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 211, 86-93	4.4	29
50	Quantification of deltamethrin residues in wheat by Ag@ZnO NFs-based surface-enhanced Raman spectroscopy coupling chemometric models. <i>Food Chemistry</i> , 2021 , 337, 127652	8.5	28
49	Signal optimized rough silver nanoparticle for rapid SERS sensing of pesticide residues in tea. <i>Food Chemistry</i> , 2021 , 338, 127796	8.5	27
48	Dual-Color Upconversion Nanoparticles (UCNPs)-Based Fluorescent Immunoassay Probes for Sensitive Sensing Foodborne Pathogens. <i>Food Analytical Methods</i> , 2017 , 10, 2036-2045	3.4	25
47	Amplification of Raman spectra by gold nanorods combined with chemometrics for rapid classification of four Pseudomonas. <i>International Journal of Food Microbiology</i> , 2019 , 304, 58-67	5.8	24
46	Monitoring black tea fermentation using a colorimetric sensor array-based artificial olfaction system. <i>Journal of Food Processing and Preservation</i> , 2018 , 42, e13348	2.1	24
45	Rapid and sensitive detection of diazinon in food based on the FRET between rare-earth doped upconversion nanoparticles and graphene oxide. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 239, 118500	4.4	24
44	Noble Metals Based Bimetallic and Trimetallic Nanoparticles: Controlled Synthesis, Antimicrobial and Anticancer Applications. <i>Critical Reviews in Analytical Chemistry</i> , 2021 , 51, 454-481	5.2	22
43	Quantifying Aflatoxin B1 in peanut oil using fabricating fluorescence probes based on upconversion nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 165, 120-126	4.4	22
42	SERS based sensor for mycotoxins detection: Challenges and improvements. <i>Food Chemistry</i> , 2021 , 344, 128652	8.5	21
41	Feasibility study on nondestructively sensing meat's freshness using light scattering imaging technique. <i>Meat Science</i> , 2016 , 119, 102-9	6.4	21
40	Rapid quantitative analysis of Hg residue in dairy products using SERS coupled with ACO-BP-AdaBoost algorithm. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 223, 117281	4.4	20

39	Classification of vinegar with different marked ages using olfactory sensors and gustatory sensors. <i>Analytical Methods</i> , 2014 , 6, 9783-9790	3.2	20
38	Bioinspired morphology-controlled silver nanoparticles for antimicrobial application. <i>Materials Science and Engineering C</i> , 2020 , 108, 110421	8.3	20
37	Rapid on-site identification of pesticide residues in tea by one-dimensional convolutional neural network coupled with surface-enhanced Raman scattering. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 246, 118994	4.4	19
36	Landing microextraction sediment phase onto surface enhanced Raman scattering to enhance sensitivity and selectivity for chromium speciation in food and environmental samples. <i>Food Chemistry</i> , 2020 , 323, 126812	8.5	18
35	A nanosystem composed of upconversion nanoparticles and N, N-diethyl-p-phenylenediamine for fluorimetric determination of ferric ion. <i>Mikrochimica Acta</i> , 2018 , 185, 378	5.8	15
34	Upconversion nanoparticles-based FRET system for sensitive detection of Staphylococcus aureus. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 255, 119734	4.4	12
33	Self-Cleaning-Mediated SERS Chip Coupled Chemometric Algorithms for Detection and Photocatalytic Degradation of Pesticides in Food. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 1667-1674	5.7	11
32	Rapid detection of mercury in food via rhodamine 6G signal using surface-enhanced Raman scattering coupled multivariate calibration. <i>Food Chemistry</i> , 2021 , 358, 129844	8.5	11
31	Pre etched Ag nanocluster as SERS substrate for the rapid quantification of AFB1 in peanut oil via DFT coupled multivariate calibration. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 239, 118411	4.4	10
30	Label-free surface enhanced Raman scattering spectroscopy for discrimination and detection of dominant apple spoilage fungus. <i>International Journal of Food Microbiology</i> , 2021 , 338, 108990	5.8	10
29	SERS-based rapid detection of 2,4-dichlorophenoxyacetic acid in food matrices using molecularly imprinted magnetic polymers. <i>Mikrochimica Acta</i> , 2020 , 187, 454	5.8	9
28	Cellulose paper-based SERS sensor for sensitive detection of 2,4-D residue levels in tea coupled uninformative variable elimination-partial least squares. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 248, 119198	4.4	9
27	Interval combination iterative optimization approach coupled with SIMPLS (ICIOA-SIMPLS) for quantitative analysis of surface-enhanced Raman scattering (SERS) spectra. <i>Analytica Chimica Acta</i> , 2020 , 1105, 45-55	6.6	8
26	Non-destructively sensing pork quality using near infrared multispectral imaging technique. <i>RSC Advances</i> , 2015 , 5, 95903-95910	3.7	6
25	Rapid Detection of Adulteration in Extra-Virgin Olive Oil using Three-Dimensional Fluorescence Spectra Technology with Selected Multivariate Calibrations. <i>International Journal of Food Properties</i> , 2015 , 18, 2085-2098	3	6
24	Development of a novel wavelength selection method VCPA-PLS for robust quantification of soluble solids in tomato by on-line diffuse reflectance NIR. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 243, 118765	4.4	6
23	Fabricating a nano-bionic sensor for rapid detection of HS during pork spoilage using Ru NPs modulated catalytic hydrogenation conversion. <i>Meat Science</i> , 2021 , 177, 108507	6.4	6
22	The avenue of fruit wastes to worth for synthesis of silver and gold nanoparticles and their antimicrobial application against foodborne pathogens: A review. <i>Food Chemistry</i> , 2021 , 359, 129912	8.5	6

21	Fluorescence resonance energy transfer-based aptasensor for sensitive detection of kanamycin in food. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 262, 120147	4.4	6
20	Fabricating upconversion fluorescent nanoparticles modified substrate for dynamical control of cancer cells and pathogenic bacteria. <i>Journal of Biophotonics</i> , 2017 , 10, 1034-1042	3.1	5
19	Nano-conjugates of Cefadroxil as Efficient Antibacterial Agent Against Staphylococcus aureus ATCC 11632. <i>Journal of Cluster Science</i> , 2020 , 31, 811-821	3	5
18	Rapid detection of chlorpyrifos residue in rice using surface-enhanced Raman scattering coupled with chemometric algorithm. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 261, 119996	4.4	5
17	Development of near-infrared online grading device for long jujube. <i>Journal of Food Process Engineering</i> , 2020 , 43, e13411	2.4	4
16	Rapid detection and prediction of chloramphenicol in food employing label-free H _{Au} /Ag NFs-SERS sensor coupled multivariate calibration.. <i>Food Chemistry</i> , 2021 , 374, 131765	8.5	4
15	Recent progress on graphene quantum dots-based fluorescence sensors for food safety and quality assessment applications. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021 , 20, 5765-5801	16.4	4
14	Application of NIR spectroscopy for rapid quantification of acid and peroxide in crude peanut oil coupled multivariate analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 120624	4.4	3
13	Rapid and selective detection of Bacillus cereus in food using cDNA-based up-conversion fluorescence spectrum copy and aptamer modified magnetic separation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 267, 120618	4.4	3
12	An upconversion nanosensor for rapid and sensitive detection of tetracycline in food based on magnetic-field-assisted separation. <i>Food Chemistry</i> , 2021 , 373, 131497	8.5	3
11	Recent advances of nanomaterial-based optical sensor for the detection of benzimidazole fungicides in food: a review. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-22	11.5	3
10	Fraud detection in crude palm oil using SERS combined with chemometrics.. <i>Food Chemistry</i> , 2022 , 388, 132973	8.5	3
9	Recent advancement in nano-optical strategies for detection of pathogenic bacteria and their metabolites in food safety. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-19	11.5	2
8	Simultaneous quantification of deoxymyoglobin and oxymyoglobin in pork by Raman spectroscopy coupled with multivariate calibration. <i>Food Chemistry</i> , 2022 , 372, 131146	8.5	2
7	A turn-on fluorescence sensor for rapid sensing of ATP based on luminescence resonance energy transfer between upconversion nanoparticles and Cy3 in vivo or vitro. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 265, 120341	4.4	2
6	An Up-conversion signal probe-MnO nanosheet sensor for rapid and sensitive detection of tetracycline in food.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 270, 120855	4.4	1
5	Identification of characteristic volatiles and metabolomic pathway during pork storage using HS-SPME-GC/MS coupled with multivariate analysis. <i>Food Chemistry</i> , 2022 , 373, 131431	8.5	1
4	Cysteamine-mediated upconversion sensor for lead ion detection in food. <i>Journal of Food Measurement and Characterization</i> , 1	2.8	1

3	Catalytic hairpin activated gold-magnetic/gold-core-silver-shell rapid self-assembly for ultrasensitive <i>Staphylococcus aureus</i> sensing via PDMS-based SERS platform.. <i>Biosensors and Bioelectronics</i> , 2022 , 209, 114240	11.8	1
2	A solid-phase capture probe based on upconversion nanoparticles and inner filter effect for the determination of ampicillin in food.. <i>Food Chemistry</i> , 2022 , 386, 132739	8.5	0
1	A tailorable and recyclable TiO ₂ NFSF/Ti@Ag NPs SERS substrate fabricated by a facile method and its applications in prohibited fish drugs detection. <i>Journal of Food Measurement and Characterization</i> ,1	2.8	0