

Liuhuilin Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61
papers

1,400
citations

22
h-index

36
g-index

70
ext. papers

1,928
ext. citations

6.8
avg, IF

5.48
L-index

#	Paper	IF	Citations
61	A smartphone-based ratiometric fluorescent sensing system for on-site detection of pyrethroids by using blue-green dual-emission carbon dots.. <i>Food Chemistry</i> , 2022 , 379, 132154	8.5	4
60	Fabrication of a fluorescence probe via molecularly imprinted polymers on carbazole-based covalent organic frameworks for optosensing of ethyl carbamate in fermented alcoholic beverages.. <i>Analytica Chimica Acta</i> , 2022 , 1192, 339381	6.6	0
59	Chiral induction in carbazole-conjugated covalent organic frameworks: A supersensitive fluorescence sensing platform for chiral recognition. <i>Sensors and Actuators B: Chemical</i> , 2022 , 354, 131253	8.5	1
58	The global concern of food security during the COVID-19 pandemic: Impacts and perspectives on food security. <i>Food Chemistry</i> , 2022 , 370, 130830	8.5	7
57	Chiroptical-responsive nanoprobe for the optosensing of chiral amino acids.. <i>Mikrochimica Acta</i> , 2022 , 189, 184	5.8	0
56	Quantum confined peptide assemblies in a visual photoluminescent hydrogel platform and smartphone-assisted sample-to-answer analyzer for detecting trace pyrethroids.. <i>Biosensors and Bioelectronics</i> , 2022 , 210, 114265	11.8	1
55	Sensory attributes and characterization of aroma profiles of fermented sausages based on fibrous-like meat substitute from soybean protein and Coprinus comatus. <i>Food Chemistry</i> , 2021 , 373, 131537	8.5	2
54	Selective recognition of tetracycline residues in animal derived samples based on molecularly imprinted microspheres from silica-stabilised Pickering emulsion polymerisation. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2021 , 1-10	3.2	
53	Carbon Dot-Based Biosensors. <i>Advanced NanoBiomed Research</i> , 2021 , 1, 2000042	0	4
52	Development of hydrophilic magnetic molecularly imprinted polymers for the dispersive solid-phase extraction of sulfonamides from animal-derived samples before HPLC detection. <i>Journal of Separation Science</i> , 2021 , 44, 2399-2407	3.4	5
51	Single, dual and multi-emission carbon dots based optosensing for food safety. <i>Trends in Food Science and Technology</i> , 2021 , 111, 388-404	15.3	10
50	Natural and Artificial Chiral-Based Systems for Separation Applications. <i>Critical Reviews in Analytical Chemistry</i> , 2021 , 1-19	5.2	3
49	Triple-dimensional spectroscopy combined with chemometrics for the discrimination of pesticide residues based on ionic liquid-stabilized Mn-ZnS quantum dots and covalent organic frameworks. <i>Food Chemistry</i> , 2021 , 342, 128299	8.5	12
48	Chiral Recognition for Chromatography and Membrane-Based Separations: Recent Developments and Future Prospects. <i>Molecules</i> , 2021 , 26,	4.8	10
47	Molecularly Imprinted Dual-Responsive Extraction for Avenanthramides Using Covalent Organic Frameworks Doped with Polyethyleneimine-Modified Mn-ZnS Quantum Dots. <i>Food Analytical Methods</i> , 2021 , 14, 1336-1344	3.4	1
46	An ionic liquid-assisted quantum dot-grafted covalent organic framework-based multi-dimensional sensing array for discrimination of insecticides using principal component analysis and clustered heat map. <i>Mikrochimica Acta</i> , 2021 , 188, 298	5.8	0
45	A smartphone-integrated optosensing platform based on red-emission carbon dots for real-time detection of pyrethroids. <i>Biosensors and Bioelectronics</i> , 2021 , 191, 113460	11.8	9

44	Efficient and robust dual modes of fluorescence sensing and smartphone readout for the detection of pyrethroids using artificial receptors bound inside a covalent organic framework. <i>Biosensors and Bioelectronics</i> , 2021 , 194, 113582	11.8	4
43	Textural, Sensory and Volatile Compounds Analyses in Formulations of Sausages Analogue Elaborated with Edible Mushrooms and Soy Protein Isolate as Meat Substitute.. <i>Foods</i> , 2021 , 11,	4.9	4
42	High-Performance Multiporous Imprinted Microspheres Based on N-Doped Carbon Dots Exfoliated from Covalent Organic Framework for Flonicamid Optosensing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 25150-25158	9.5	18
41	Consumption of avenanthramides extracted from oats reduces weight gain, oxidative stress, inflammation and regulates intestinal microflora in high fat diet-induced mice. <i>Journal of Functional Foods</i> , 2020 , 65, 103774	5.1	10
40	Corn silk extract inhibit the formation of N-carboxymethyllysine by scavenging glyoxal/methyl glyoxal in a casein glucose-fatty acid model system. <i>Food Chemistry</i> , 2020 , 309, 125708	8.5	12
39	Inhibitory effect of phenolic compounds and plant extracts on the formation of advance glycation end products: A comprehensive review. <i>Food Research International</i> , 2020 , 130, 108933	7	55
38	Ionic liquid-sensitized molecularly imprinted polymers based on heteroatom co-doped quantum dots functionalized graphene for sensitive detection of Ecyhalothrin. <i>Analytica Chimica Acta</i> , 2020 , 1136, 9-18	6.6	13
37	N-doped carbon dots derived from covalent organic frameworks embedded in molecularly imprinted polymers for optosensing of flonicamid. <i>Microchemical Journal</i> , 2020 , 159, 105585	4.8	10
36	Determination of nereistoxin-related insecticide via quantum-dots-doped covalent organic frameworks in a molecularly imprinted network. <i>Mikrochimica Acta</i> , 2020 , 187, 464	5.8	11
35	Carbon-Based Nanomaterials in Sensors for Food Safety. <i>Nanomaterials</i> , 2019 , 9,	5.4	36
34	Rapid detection of tryptamine by optosensor with molecularly imprinted polymers based on carbon dots-embedded covalent-organic frameworks. <i>Sensors and Actuators B: Chemical</i> , 2019 , 285, 546-552	8.5	34
33	Luminescent Molecularly Imprinted Polymers Based on Covalent Organic Frameworks and Quantum Dots with Strong Optical Response to Quinoxaline-2-Carboxylicacid. <i>Polymers</i> , 2019 , 11,	4.5	13
32	Facile construction of magnetic core-shell covalent organic frameworks as efficient solid-phase extraction adsorbents for highly sensitive determination of sulfonamide residues against complex food sample matrices.. <i>RSC Advances</i> , 2019 , 9, 14247-14253	3.7	25
31	Baijiu Vinasse Extract Scavenges Glyoxal and Inhibits the Formation of -Carboxymethyllysine in Dairy Food. <i>Molecules</i> , 2019 , 24,	4.8	9
30	A high photoluminescence sensor for selective detection of cartap based on functionalized VBimBF4B ionic liquid-strengthened sulfur-doped carbon nanodots. <i>New Journal of Chemistry</i> , 2019 , 43, 8873-8881	3.6	6
29	A Novel Fluorescence and SPE Adsorption Nanomaterials of Molecularly Imprinted Polymers Based on Quantum Dot-Grafted Covalent Organic Frameworks for the High Selectivity and Sensitivity Detection of Ferulic Acid. <i>Nanomaterials</i> , 2019 , 9,	5.4	14
28	Synthesis of magnetic nanoparticles to detect Sudan dye adulteration in chilli powders. <i>Food Chemistry</i> , 2019 , 299, 125144	8.5	9
27	Rapid determination of lambda-cyhalothrin using a fluorescent probe based on ionic-liquid-sensitized carbon dots coated with molecularly imprinted polymers. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 5309-5316	4.4	24

26	Ionic-liquid-stabilized fluorescent probe based on S-doped carbon dot-embedded covalent-organic frameworks for determination of histamine. <i>Mikrochimica Acta</i> , 2019 , 187, 28	5.8	14
25	A fluorescent nanoprobe for 4-ethylguaiaicol based on the use of a molecularly imprinted polymer doped with a covalent organic framework grafted onto carbon nanodots. <i>Mikrochimica Acta</i> , 2019 , 186, 182	5.8	24
24	A dual-function molecularly imprinted optopolymer based on quantum dots-grafted covalent-organic frameworks for the sensitive detection of tyramine in fermented meat products. <i>Food Chemistry</i> , 2019 , 277, 639-645	8.5	34
23	Effects of Highland Barley Bran Extract Rich in Phenolic Acids on the Formation of N-Carboxymethyllysine in a Biscuit Model. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 1916-1922	5.7	23
22	Sensitive detection of pyrrolidine with a molecularly imprinted sensor based on metal-organic frameworks and quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2018 , 256, 1038-1044	8.5	27
21	Grafting of quantum dots on covalent organic frameworks via a reverse microemulsion for highly selective and sensitive protein optosensing. <i>Sensors and Actuators B: Chemical</i> , 2018 , 269, 340-345	8.5	23
20	Effect of Fermentation Processing on the Flavor of Baijiu. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 5425-5432	5.7	242
19	Emerging functional nanomaterials for the detection of food contaminants. <i>Trends in Food Science and Technology</i> , 2018 , 71, 94-106	15.3	50
18	Core-Shell Metal-Organic Frameworks/Molecularly Imprinted Nanoparticles as Absorbents for the Detection of Pyrrolidine in Milk and Milk Powder. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 986-992	5.7	35
17	Graphene oxide-sensitized molecularly imprinted opto-polymers for charge-transfer fluorescent sensing of cyanoguanidine. <i>Food Chemistry</i> , 2017 , 235, 14-20	8.5	10
16	Development and application of molecularly imprinted quartz crystal microbalance sensor for rapid detection of metolcarb in foods. <i>Sensors and Actuators B: Chemical</i> , 2017 , 251, 720-728	8.5	38
15	A novel quantum dots-labeled on the surface of molecularly imprinted polymer for turn-off optosensing of dicyandiamide in dairy products. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 512-7	11.8	37
14	Application of Quantum Dot-Molecularly Imprinted Polymer Core-Shell Particles Sensitized with Graphene for Optosensing of N-Carboxymethyllysine in Dairy Products. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 4801-6	5.7	20
13	Development and applications of molecularly imprinted polymers based on hydrophobic CdSe/ZnS quantum dots for optosensing of N-Carboxymethyllysine in foods. <i>Food Chemistry</i> , 2016 , 211, 34-40	8.5	24
12	Application of an optosensing chip based on molecularly imprinted polymer coated quantum dots for the highly selective and sensitive determination of sesamol in sesame oils. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 2545-9	5.7	21
11	A triple-dimensional sensing chip for discrimination of eight antioxidants based on quantum dots and graphene. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 313-7	11.8	13
10	Triple-channel comparative analysis of volatile flavour composition in raw whole and skim milk via electronic nose, GC-MS and GC-O. <i>Analytical Methods</i> , 2015 , 7, 4278-4284	3.2	17
9	Sensitive and selective electrochemical determination of quinoxaline-2-carboxylic acid based on bilayer of novel poly(pyrrole) functional composite using one-step electro-polymerization and molecularly imprinted poly(o-phenylenediamine). <i>Analytica Chimica Acta</i> , 2014 , 806, 136-43	6.6	32

8	Molecularly imprinted optosensing material based on hydrophobic CdSe quantum dots via a reverse microemulsion for specific recognition of ractopamine. <i>Biosensors and Bioelectronics</i> , 2014 , 55, 127-32	11.8	73
7	Application of Molecularly Imprinted Polymer Appended onto CdSe/ZnS Quantum Dots for Optosensing of Tocopherol in Rice. <i>Food Analytical Methods</i> , 2014 , 7, 1443-1450	3.4	22
6	A novel molecularly imprinted polymer on CdSe/ZnS quantum dots for highly selective optosensing of mycotoxin zearalenone in cereal samples. <i>RSC Advances</i> , 2014 , 4, 2764-2771	3.7	40
5	A novel dual-function molecularly imprinted polymer on CdTe/ZnS quantum dots for highly selective and sensitive determination of ractopamine. <i>Analytica Chimica Acta</i> , 2013 , 762, 76-82	6.6	68
4	An enzyme-linked immunosorbent assay for the determination of tribenuron-methyl in water and soil using a molecularly imprinted film as an artificial antibody. <i>Analytical Methods</i> , 2013 , 5, 5677	3.2	10
3	A novel ionic liquid stabilized molecularly imprinted optosensing material based on quantum dots and graphene oxide for specific recognition of vitamin E. <i>Biosensors and Bioelectronics</i> , 2013 , 47, 127-32	11.8	61
2	Molecularly imprinted polymer on ionic liquid-modified CdSe/ZnS quantum dots for the highly selective and sensitive optosensing of tocopherol. <i>Journal of Materials Chemistry</i> , 2012 , 22, 19882		60
1	Nanotechnology for Food Safety and Security: A Comprehensive Review. <i>Food Reviews International</i> , 1-215		5