

Qiongzhen Hu

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.

66

papers

1,221

citations

20

h-index

32

g-index

72

ext. papers

1,529

ext. citations

6.5

avg, IF

4.97

L-index

#	Paper	IF	Citations
66	C18 Reversed-Phase Liquid Chromatography Column Coupled with Ion Chromatography: a Method for the Determination of Trimethylamine Hydrochloride Residues in Cationic Etherifying Agent. <i>Chromatographia</i> , 2022 , 85, 83-89	2.1	
65	A paper-based lateral flow sensor for the detection of thrombin and its inhibitors.. <i>Analytica Chimica Acta</i> , 2022 , 1205, 339756	6.6	1
64	Liquid crystal-based sensitive and selective detection of uric acid and uricase in body fluids.. <i>Talanta</i> , 2022 , 244, 123455	6.2	0
63	Surface-anchored liquid crystal droplets for the semi-quantitative detection of Aflatoxin B1 in food samples.. <i>Food Chemistry</i> , 2022 , 390, 133202	8.5	2
62	Microfluidic strategies for the blood-brain barrier construction and assessment. <i>TrAC - Trends in Analytical Chemistry</i> , 2022 , 116689	14.6	0
61	Detection of bleomycin and its hydrolase by the cationic surfactant-doped liquid crystal-based sensing platform. <i>Analytica Chimica Acta</i> , 2021 , 1150, 338247	6.6	7
60	Electrochemical biosensors for measurement of colorectal cancer biomarkers. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 2407-2428	4.4	6
59	Screening of Xanthine Oxidase Inhibitors by Liquid Crystal-Based Assay Assisted with Enzyme Catalysis-Induced Aptamer Release. <i>Analytical Chemistry</i> , 2021 , 93, 6151-6157	7.8	4
58	Organic-Inorganic Hybrid Nanofibers Formed by Bottom-Up Hierarchical Self-Assembly. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 1441-1446	3.8	0
57	Detection of 14 High-Risk Human Papillomaviruses Using Digital LAMP Assays on a Self-Digitization Chip. <i>Analytical Chemistry</i> , 2021 , 93, 3266-3272	7.8	5
56	Development of a liquid crystal-based α-glucosidase assay to detect anti-diabetic drugs. <i>Microchemical Journal</i> , 2021 , 167, 106323	4.8	2
55	An integrated liquid crystal sensing device assisted by the surfactant-embedded smart hydrogel. <i>Biosensors and Bioelectronics</i> , 2021 , 187, 113313	11.8	11
54	Highly sensitive and label-free detection of catalase by a H ₂ O ₂ -responsive liquid crystal sensing platform. <i>Sensors and Actuators B: Chemical</i> , 2021 , 344, 130279	8.5	2
53	A portable digital optical kanamycin sensor developed by surface-anchored liquid crystal droplets. <i>Journal of Hazardous Materials</i> , 2021 , 420, 126601	12.8	7
52	Hydrogel-assisted paper-based lateral flow sensor for the detection of trypsin in human serum. <i>Biosensors and Bioelectronics</i> , 2021 , 192, 113548	11.8	8
51	Liquid crystal-based sensors for the detection of biomarkers at the aqueous/LC interface. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 144, 116434	14.6	2
50	A pendant droplet-based sensor for the detection of acetylcholinesterase and its inhibitors.. <i>Chemical Communications</i> , 2021 , 57, 8909-8912	5.8	0

49	Dual-Mode Superresolution Imaging Using Charge Transfer Dynamics in Semiconducting Polymer Dots. <i>Angewandte Chemie</i> , 2020 , 132, 16307-16314	3.6	4
48	Morphological transformation of ultrasonically obtained nanofibers during living self-assembly. <i>New Journal of Chemistry</i> , 2020 , 44, 10813-10818	3.6	4
47	Dual-Mode Superresolution Imaging Using Charge Transfer Dynamics in Semiconducting Polymer Dots. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 16173-16180	16.4	15
46	Liquid crystal-based sensing platform for detection of Pb assisted by DNAzyme and rolling circle amplification. <i>Journal of Hazardous Materials</i> , 2020 , 400, 123218	12.8	24
45	Simultaneous Detection of Multiple Tumor Markers in Blood by Functional Liquid Crystal Sensors Assisted with Target-Induced Dissociation of Aptamer. <i>Analytical Chemistry</i> , 2020 , 92, 3867-3873	7.8	36
44	Detection of organophosphorus pesticides with liquid crystals supported on the surface deposited with polyoxometalate-based acetylcholinesterase-responsive supramolecular spheres. <i>Food Chemistry</i> , 2020 , 320, 126683	8.5	9
43	Molecular organization of mammalian meiotic chromosome axis revealed by expansion STORM microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 18423-18428	11.5	49
42	Detection of Biomarkers in Blood Using Liquid Crystals Assisted with Aptamer-Target Recognition Triggered in Situ Rolling Circle Amplification on Magnetic Beads. <i>Analytical Chemistry</i> , 2019 , 91, 11653-11660	7.8	26
41	Construction of a Liquid Crystal-Based Sensing Platform for Sensitive and Selective Detection of l-Phenylalanine Based on Alkaline Phosphatase. <i>Langmuir</i> , 2019 , 35, 461-467	4	11
40	Ultrasensitive detection of glutathione based on liquid crystals in the presence of γ -glutamyl transpeptidase. <i>Analytica Chimica Acta</i> , 2018 , 1040, 187-195	6.6	4
39	Construction of liquid crystal droplet-based sensing platform for sensitive detection of organophosphate pesticide. <i>Talanta</i> , 2018 , 190, 375-381	6.2	12
38	A liquid crystal based method for detection of urease activity and heavy metal ions by using stimulus-responsive surfactant-encapsulated phosphotungstate clusters. <i>Mikrochimica Acta</i> , 2018 , 186, 27	5.8	9
37	Fabrication of Liquid-Crystal-Based Optical Sensing Platform for Detection of Hydrogen Peroxide and Blood Glucose. <i>Analytical Chemistry</i> , 2018 , 90, 11607-11613	7.8	38
36	pH-Responsive Polyoxometalate-Based Supramolecular Hybrid Nanomaterials and Application as Renewable Catalyst for Dyes. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 3650-3658	8.3	20
35	Photocatalyzed Reduction of Chromium(VI) and Thermal-Driven Heterogeneous Separation. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 4511-4516	8.3	6
34	Simple and sensitive detection of pesticides using the liquid crystal droplet patterns platform. <i>Sensors and Actuators B: Chemical</i> , 2017 , 238, 676-682	8.5	17
33	A nonionic surfactant-decorated liquid crystal sensor for sensitive and selective detection of proteins. <i>Analytica Chimica Acta</i> , 2016 , 937, 119-26	6.6	16
32	Effect of Imidazolium-Based Surface-Active Ionic Liquids on the Orientation of Liquid Crystals at Various Fluid/Liquid Crystal Interfaces. <i>Langmuir</i> , 2016 , 32, 11745-11753	4	20

31	Reversible Photoresponsive Molecular Alignment of Liquid Crystals at Fluid Interfaces with Persistent Stability. <i>Chemistry - A European Journal</i> , 2016 , 22, 6340-4	4.8	6
30	Quantitatively resolving multivalent interactions on a macroscopic scale using force spectroscopy. <i>Chemical Communications</i> , 2016 , 52, 3705-8	5.8	6
29	Stimuli-Responsive Polyoxometalate/Ionic Liquid Supramolecular Spheres: Fabrication, Characterization, and Biological Applications. <i>Langmuir</i> , 2016 , 32, 421-7	4	36
28	A liquid crystal-based sensor for the simple and sensitive detection of cellulase and cysteine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 147, 100-105	6	18
27	Rational Design of Multiple-Stimulus-Responsive Materials via Supramolecular Self-Assembly. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 16349-16357	3.8	8
26	A cationic surfactant-decorated liquid crystal sensing platform for simple and sensitive detection of acetylcholinesterase and its inhibitor. <i>Biosensors and Bioelectronics</i> , 2015 , 72, 25-30	11.8	42
25	Wormlike micelles with photoresponsive viscoelastic behavior formed by surface active ionic liquid/azobenzene derivative mixed solution. <i>Langmuir</i> , 2015 , 31, 3789-98	4	55
24	Efficient and selective removal of dyes using imidazolium-based supramolecular gels. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 10258-65	9.5	107
23	Supramolecular structures ranging from nano- to macro-scale with fluorescent and organic semiconducting properties. <i>RSC Advances</i> , 2015 , 5, 32435-32440	3.7	4
22	Aggregation Behavior of Imidazolium-Based Surface-Active Ionic Liquids with Photoresponsive Cinnamate Counterions in the Aqueous Solution. <i>Langmuir</i> , 2015 , 31, 12597-608	4	33
21	Fabrication of pH- and temperature-directed supramolecular materials from 1D fibers to exclusively 2D planar structures using an ionic self-assembly approach. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 3273-3279	7.1	29
20	Experimental and DFT studies on the aggregation behavior of imidazolium-based surface-active ionic liquids with aromatic counterions in aqueous solution. <i>Langmuir</i> , 2015 , 31, 1272-82	4	58
19	Detection of mRNA from Escherichia coli in drinking water on nanostructured polymeric surfaces using liquid crystals. <i>Colloid and Polymer Science</i> , 2014 , 292, 1163-1169	2.4	7
18	Gels and lyotropic liquid crystals: using an imidazolium-based cationic surfactant in binary solvents. <i>Langmuir</i> , 2014 , 30, 9076-84	4	36
17	Sequence and chiral selectivity of drug-DNA interactions revealed by force spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 14135-8	16.4	9
16	Sequence and Chiral Selectivity of Drug-DNA Interactions Revealed by Force Spectroscopy. <i>Angewandte Chemie</i> , 2014 , 126, 14359-14362	3.6	
15	Real-time and sensitive detection of lipase using liquid crystal droplet patterns supported on solid surfaces. <i>Liquid Crystals</i> , 2014 , 41, 597-602	2.3	17
14	Orientalional behaviors of liquid crystals coupled to chitosan-disrupted phospholipid membranes at the aqueous-liquid crystal interface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 108, 142-6	6	18

13	Spontaneous formation of micrometer-scale liquid crystal droplet patterns on solid surfaces and their sensing applications. <i>Soft Matter</i> , 2013 , 9, 5779	3.6	35
12	Dynamic imaging of enzymatic events at polyelectrolyte-disrupted phospholipid membranes using liquid crystals. <i>Liquid Crystals</i> , 2013 , 40, 106-111	2.3	6
11	Using liquid crystals for the real-time detection of urease at aqueous/liquid crystal interfaces. <i>Journal of Materials Science</i> , 2012 , 47, 969-975	4.3	21
10	A new strategy for imaging biomolecular events through interactions between liquid crystals and oil-in-water emulsions. <i>Analyst, The</i> , 2012 , 137, 5204-7	5	16
9	Using liquid crystals for the label-free detection of catalase at aqueous-LC interfaces. <i>Journal of Biotechnology</i> , 2012 , 157, 223-7	3.7	36
8	Using liquid crystals to report molecular interactions between cationic antimicrobial peptides and lipid membranes. <i>Analyst, The</i> , 2012 , 137, 567-70	5	47
7	Imaging trypsin activity through changes in the orientation of liquid crystals coupled to the interactions between a polyelectrolyte and a phospholipid layer. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 1791-5	9.5	56
6	A simple strategy to monitor lipase activity using liquid crystal-based sensors. <i>Talanta</i> , 2012 , 99, 36-9	6.2	29
5	Liquid crystal-based sensors for the detection of heavy metals using surface-immobilized urease. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 88, 622-6	6	63
4	Orientational behaviour of ultraviolet-tailored 4-cyano-4'-pentylbiphenyl at the aqueous/liquid crystal interface. <i>Liquid Crystals</i> , 2011 , 38, 1209-1216	2.3	16
3	Imaging the Enzymatic Reaction of Urease Using Liquid Crystal-Based pH Sensor. <i>Bulletin of the Korean Chemical Society</i> , 2011 , 32, 4377-4381	1.2	12
2	Liquid Crystal-based Imaging of Enzymatic Reactions at Aqueous-liquid Crystal Interfaces Decorated with Oligopeptide Amphiphiles. <i>Bulletin of the Korean Chemical Society</i> , 2010 , 31, 1262-1266	1.2	12
1	Force-Induced Molecular Isomerization for the Construction of Multicolor Luminescent Segmented Molecular Crystals. <i>Advanced Optical Materials</i> , 2101794	8.1	1