

Rui Zhao

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.

58
papers

1,764
citations

22
h-index

41
g-index

67
ext. papers

2,007
ext. citations

5.8
avg, IF

4.71
L-index

#	Paper	IF	Citations
58	Recent Progress of Exosome Isolation and Peptide Recognition-Guided Strategies for Exosome Research.. <i>Frontiers in Chemistry</i> , 2022 , 10, 844124	5	3
57	Metal-Organic Framework-Based Nanoheater with Photo-Triggered Cascade Effects for On-Demand Suppression of Cellular Thermoresistance and Synergistic Cancer Therapy.. <i>Advanced Healthcare Materials</i> , 2022 , e2200004	10.1	
56	Selective recognition of a cyclic peptide hormone in human plasma by hydrazone bond-oriented surface imprinted nanoparticles. <i>Analytica Chimica Acta</i> , 2021 , 1154, 338301	6.6	7
55	Activity-Based Probe for Ratiometric Fluorescence Imaging of Caspase-3 in Living Cells. <i>Analytical Chemistry</i> , 2021 , 93, 2045-2052	7.8	7
54	Metal-organic frameworks as advanced materials for sample preparation of bioactive peptides. <i>Analytical Methods</i> , 2021 , 13, 862-873	3.2	6
53	Engineering Peptide-Functionalized Biomimetic Nanointerfaces for Synergetic Capture of Circulating Tumor Cells in an EpCAM-Independent Manner. <i>Analytical Chemistry</i> , 2021 , 93, 9778-9787	7.8	6
52	Pyridinium-Substituted Tetraphenylethylenes Functionalized with Alkyl Chains as Autophagy Modulators for Cancer Therapy. <i>Angewandte Chemie</i> , 2020 , 132, 10128-10137	3.6	3
51	Pyridinium-Substituted Tetraphenylethylenes Functionalized with Alkyl Chains as Autophagy Modulators for Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10042-10051	16.4	27
50	Aggregation-Induced Emission Luminogens for Mitochondria-Targeted Cancer Therapy. <i>ChemMedChem</i> , 2020 , 15, 2220-2227	3.7	7
49	Biomimetic Sensing System for Tracing Pb Distribution in Living Cells Based on the Metal-Peptide Supramolecular Assembly. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5804-5811	9.5	18
48	Recent Advances in AIEgens for Metal Ion Biosensing and Bioimaging. <i>Molecules</i> , 2019 , 24,	4.8	20
47	Peptide-Guided System with Programmable Subcellular Translocation for Targeted Therapy and Bypassing Multidrug Resistance. <i>Analytical Chemistry</i> , 2019 , 91, 1880-1886	7.8	8
46	Enzyme-MOF Nanoreactor Activates Nontoxic Paracetamol for Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5725-5730	16.4	166
45	Enzyme-MOF Nanoreactor Activates Nontoxic Paracetamol for Cancer Therapy. <i>Angewandte Chemie</i> , 2018 , 130, 5827-5832	3.6	29
44	Bioinspired Peptide for Imaging Hg Distribution in Living Cells and Zebrafish Based on Coordination-Mediated Supramolecular Assembling. <i>Analytical Chemistry</i> , 2018 , 90, 9708-9715	7.8	22
43	Probing the Dynamic Interaction between Damaged DNA and a Cellular Responsive Protein Using a Piezoelectric Mass Biosensor. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 8490-8497	9.5	9
42	Surface-imprinted magnetic nanoparticles for the selective enrichment and fast separation of fluoroquinolones in human serum. <i>Journal of Separation Science</i> , 2017 , 40, 2269-2277	3.4	5

41	Dual-targeting peptide probe for sequence- and structure-sensitive sensing of serum albumin. <i>Biosensors and Bioelectronics</i> , 2017 , 94, 657-662	11.8	9
40	Rapid, sensitive, and in-solution screening of peptide probes for targeted imaging of live cancer cells based on peptide recognition-induced emission. <i>Chemical Communications</i> , 2017 , 53, 11091-11094	5.8	15
39	Well-defined magnetic surface imprinted nanoparticles for selective enrichment of 2,4-dichlorophenoxyacetic acid in real samples. <i>Talanta</i> , 2017 , 174, 725-732	6.2	21
38	Rational design and functional evolution of targeted peptides for bioanalytical applications. <i>Science China Chemistry</i> , 2016 , 59, 1250-1257	7.9	5
37	Self-Assembled Nanostructures Based on Activatable Red Fluorescent Dye for Site-Specific Protein Probing and Conformational Transition Detection. <i>Analytical Chemistry</i> , 2016 , 88, 6374-81	7.8	34
36	Emissive nanoparticles from pyridinium-substituted tetraphenylethylene salts: imaging and selective cytotoxicity towards cancer cells and by varying counter anions. <i>Chemical Science</i> , 2016 , 7, 7013-7019	9.4	56
35	A peptide-based pH-sensitive drug delivery system for targeted ablation of cancer cells. <i>Chemical Communications</i> , 2015 , 51, 14454-7	5.8	24
34	A continuous-flow mass biosensor for the real-time dynamic analysis of protease inhibition. <i>Chemical Communications</i> , 2015 , 51, 6601-4	5.8	6
33	Fluorescence turn-on chemosensor for highly selective and sensitive detection and bioimaging of Al(3+) in living cells based on ion-induced aggregation. <i>Analytical Chemistry</i> , 2015 , 87, 1470-4	7.8	162
32	Highly selective piezoelectric sensor for lead(II) based on the lead-catalyzed release of gold nanoparticles from a self-assembled nanosurface. <i>Mikrochimica Acta</i> , 2014 , 181, 1521-1527	5.8	7
31	Well-defined nanostructured surface-imprinted polymers for highly selective magnetic separation of fluoroquinolones in human urine. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 9634-42	9.5	100
30	Targeted bioimaging and photodynamic therapy of cancer cells with an activatable red fluorescent bioprobe. <i>Analytical Chemistry</i> , 2014 , 86, 7987-95	7.8	236
29	Tetraphenylethylene conjugated with a specific peptide as a fluorescence turn-on bioprobe for the highly specific detection and tracing of tumor markers in live cancer cells. <i>Chemistry - A European Journal</i> , 2014 , 20, 158-64	4.8	89
28	Preparation of monodispersed macroporous core-shell molecularly imprinted particles and their application in the determination of 2,4-dichlorophenoxyacetic acid. <i>Journal of Chromatography A</i> , 2014 , 1323, 11-7	4.5	55
27	Discovery, synthesis, and evaluation of small-molecule signal transducer and activator of transcription 3 inhibitors. <i>Chemical and Pharmaceutical Bulletin</i> , 2012 , 60, 1574-80	1.9	6
26	Cyclic interconversion of methionine containing peptide between oxidized and reduced phases monitored by reversed-phase HPLC and ESI-MS/MS. <i>Talanta</i> , 2012 , 89, 531-6	6.2	3
25	Superparamagnetic surface molecularly imprinted nanoparticles for water-soluble pefloxacin mesylate prepared via surface initiated atom transfer radical polymerization and its application in egg sample analysis. <i>Journal of Chromatography A</i> , 2012 , 1246, 15-21	4.5	50
24	A novel polychloromethylstyrene coated superparamagnetic surface molecularly imprinted core-shell nanoparticle for bisphenol A. <i>Journal of Materials Chemistry</i> , 2011 , 21, 9232		85

23	Highly specific targeting and imaging of live cancer cells by using a peptide probe developed from rationally designed peptides. <i>ChemBioChem</i> , 2011 , 12, 1209-15	3.8	14
22	Dynamic interaction between melamine and cyanuric acid in artificial urine investigated by quartz crystal microbalance. <i>Analyst, The</i> , 2011 , 136, 2482-8	5	7
21	Determination of methotrexate in human serum by high-performance liquid chromatography combined with pseudo template molecularly imprinted polymer. <i>Journal of Chromatography A</i> , 2009 , 1216, 7533-8	4.5	56
20	Design, synthesis and screening of antisense peptide based combinatorial peptide libraries towards an aromatic region of SARS-CoV. <i>Journal of Molecular Recognition</i> , 2008 , 21, 122-31	2.6	10
19	In situ growth of nanogold on quartz crystal microbalance and its application in the interaction between heparin and antithrombin III. <i>Journal of Colloid and Interface Science</i> , 2008 , 319, 94-9	9.3	10
18	Determining binding sites of drugs on human serum albumin using FIA-QCM. <i>Biosensors and Bioelectronics</i> , 2008 , 24, 48-54	11.8	33
17	Quartz crystal microbalance biosensor for recombinant human interferon-beta detection based on antisense peptide approach. <i>Analytica Chimica Acta</i> , 2007 , 590, 91-7	6.6	16
16	Study on peptide-peptide interaction using high-performance affinity chromatography and quartz crystal microbalance biosensor. <i>Science Bulletin</i> , 2007 , 52, 1311-1319		3
15	Uniform-sized molecularly imprinted polymer for metsulfuron-methyl by one-step swelling and polymerization method. <i>Talanta</i> , 2007 , 71, 1205-10	6.2	40
14	A novel matrix for high performance affinity chromatography and its application in the purification of antithrombin III. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005 , 816, 175-81	3.2	3
13	Screening of inhibitors for influenza A virus using high-performance affinity chromatography and combinatorial peptide libraries. <i>Journal of Chromatography A</i> , 2005 , 1064, 59-66	4.5	11
12	Preparation and evaluation of uniform-sized molecularly imprinted polymer beads used for the separation of sulfamethazine. <i>Biomedical Chromatography</i> , 2005 , 19, 533-8	1.7	31
11	Real time kinetic analysis of the interaction between immunoglobulin G and histidine using quartz crystal microbalance biosensor in solution. <i>Biosensors and Bioelectronics</i> , 2003 , 18, 1419-27	11.8	45
10	Quartz crystal biosensor for real-time monitoring of molecular recognition between protein and small molecular medicinal agents. <i>Biosensors and Bioelectronics</i> , 2003 , 19, 9-19	11.8	81
9	SEPARATION OF FOUR BASIC PROTEINS IN THE MIXTURE BY CAPILLARY ELECTROPHORESIS WITH A NEW CHEMICAL MODIFICATION COLUMN. <i>Analytical Letters</i> , 2002 , 35, 397-411	2.2	0
8	Three novel high performance affinity chromatographic media for the separation of antithrombin III from human plasma. <i>Biomedical Chromatography</i> , 2001 , 15, 487-92	1.7	10
7	Capillary electrophoresis of catecholamines with laser-induced fluorescence intensified charge-coupled device detection. <i>Biomedical Chromatography</i> , 2001 , 15, 83-8	1.7	32
6	Study on the degeneracy of antisense peptides using affinity chromatography. <i>Journal of Chromatography A</i> , 2001 , 913, 421-8	4.5	11

5	A NOVEL METHOD FOR PREPARATION AND CHARACTERIZATION OF RESTRICTED-ACCESS MEDIA-ALKYL-DIOL SILICA (ADS). <i>Journal of Liquid Chromatography and Related Technologies</i> , 2001 , 24, 2197-2208	1.3	1
4	Derivatization and fluorescence detection of amino acids and peptides with 9-fluorenylmethyl chloroformate on the surface of a solid adsorbent. <i>Analytical Chemistry</i> , 2001 , 73, 2054-7	7.8	29
3	Affinity capillary electrophoresis coupled with on-line microdialysis by attachable electrode. <i>Electrophoresis</i> , 1999 , 20, 1846-9	3.6	10
2	DETERMINATION OF ENKEPHALINS IN FETUS BRAIN TISSUES BY MEANS OF HPLC WITH PRE-COLUMN FLUORESCENCE DERIVATIZATION. <i>Analytical Sciences</i> , 1991 , 7, 951-954	1.7	1
1	Metagenomic analysis reveals wide distribution of phototrophic bacteria in hydrothermal vents on the ultraslow-spreading Southwest Indian Ridge. <i>Marine Life Science and Technology</i> , 1	4.5	0