

# Rui Zhao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1049054/publications.pdf>

Version: 2024-02-01

62  
papers

2,187  
citations

236612

25  
h-index

223531

46  
g-index

67  
all docs

67  
docs citations

67  
times ranked

2955  
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeted Bioimaging and Photodynamic Therapy of Cancer Cells with an Activatable Red Fluorescent Bioprobe. <i>Analytical Chemistry</i> , 2014, 86, 7987-7995.	3.2	262
2	Enzyme-MOF Nanoreactor Activates Nontoxic Paracetamol for Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5725-5730.	7.2	217
3	Fluorescence Turn-On Chemosensor for Highly Selective and Sensitive Detection and Bioimaging of Al <sup>3+</sup> in Living Cells Based on Ion-Induced Aggregation. <i>Analytical Chemistry</i> , 2015, 87, 1470-1474.	3.2	188
4	Well-Defined Nanostructured Surface-Imprinted Polymers for Highly Selective Magnetic Separation of Fluoroquinolones in Human Urine. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 9634-9642.	4.0	110
5	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.	5.3	94
6	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, 158-164.	1.7	91
7	A novel polychloromethylstyrene coated superparamagnetic surface molecularly imprinted core-shell nanoparticle for bisphenol A. <i>Journal of Materials Chemistry</i> , 2011, 21, 9232.	6.7	90
8	Pyridinium-Substituted Tetraphenylethylenes Functionalized with Alkyl Chains as Autophagy Modulators for Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10042-10051.	7.2	66
9	Emissive nanoparticles from pyridinium-substituted tetraphenylethylene salts: imaging and selective cytotoxicity towards cancer cells in vitro and in vivo by varying counter anions. <i>Chemical Science</i> , 2016, 7, 7013-7019.	3.7	65
10	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, 7533-7538.	1.8	62
11	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, 11-17.	1.8	58
12	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, 1419-1427.	5.3	52
13	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.	1.8	52
14	Self-Assembled Nanostructures Based on Activatable Red Fluorescent Dye for Site-Specific Protein Probing and Conformational Transition Detection. <i>Analytical Chemistry</i> , 2016, 88, 6374-6381.	3.2	43
15	Enzyme-MOF Nanoreactor Activates Nontoxic Paracetamol for Cancer Therapy. <i>Angewandte Chemie</i> , 2018, 130, 5827-5832.	1.6	42
16	Uniform-sized molecularly imprinted polymer for metsulfuron-methyl by one-step swelling and polymerization method. <i>Talanta</i> , 2007, 71, 1205-1210.	2.9	41
17	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, 2054-2057.	3.2	39
18	Capillary electrophoresis of catecholamines with laser-induced fluorescence intensified charge-coupled device detection. <i>Biomedical Chromatography</i> , 2001, 15, 83-88.	0.8	34

#	ARTICLE	IF	CITATIONS
19	Preparation and evaluation of uniform-sized molecularly imprinted polymer beads used for the separation of sulfamethazine. <i>Biomedical Chromatography</i> , 2005, 19, 533-538.	0.8	34
20	Determining binding sites of drugs on human serum albumin using FIA-QCM. <i>Biosensors and Bioelectronics</i> , 2008, 24, 48-54.	5.3	34
21	Biomimetic Sensing System for Tracing Pb <sup>2+</sup> Distribution in Living Cells Based on the Metal-Organic Peptide Supramolecular Assembly. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 5804-5811.	4.0	34
22	Recent Advances in AIEgens for Metal Ion Biosensing and Bioimaging. <i>Molecules</i> , 2019, 24, 4593.	1.7	34
23	Bioinspired Peptide for Imaging Hg <sup>2+</sup> Distribution in Living Cells and Zebrafish Based on Coordination-Mediated Supramolecular Assembling. <i>Analytical Chemistry</i> , 2018, 90, 9708-9715.	3.2	33
24	Well-defined magnetic surface imprinted nanoparticles for selective enrichment of 2,4-dichlorophenoxyacetic acid in real samples. <i>Talanta</i> , 2017, 174, 725-732.	2.9	31
25	A peptide-based pH-sensitive drug delivery system for targeted ablation of cancer cells. <i>Chemical Communications</i> , 2015, 51, 14454-14457.	2.2	28
26	Recent Progress of Exosome Isolation and Peptide Recognition-Guided Strategies for Exosome Research. <i>Frontiers in Chemistry</i> , 2022, 10, 844124.	1.8	23
27	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.	2.2	18
28	Highly Specific Targeting and Imaging of Live Cancer Cells by Using a Peptide Probe Developed from Rationally Designed Peptides. <i>ChemBioChem</i> , 2011, 12, 1209-1215.	1.3	17
29	Aggregation-Induced Emission Luminogens for Mitochondria-Targeted Cancer Therapy. <i>ChemMedChem</i> , 2020, 15, 2220-2227.	1.6	17
30	Metal-organic frameworks as advanced materials for sample preparation of bioactive peptides. <i>Analytical Methods</i> , 2021, 13, 862-873.	1.3	17
31	Quartz crystal microbalance biosensor for recombinant human interferon- $\gamma$ detection based on antisense peptide approach. <i>Analytica Chimica Acta</i> , 2007, 590, 91-97.	2.6	16
32	Activity-Based Probe for Ratiometric Fluorescence Imaging of Caspase-3 in Living Cells. <i>Analytical Chemistry</i> , 2021, 93, 2045-2052.	3.2	16
33	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.	2.6	16
34	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.	3.2	16
35	Dual-targeting peptide probe for sequence- and structure-sensitive sensing of serum albumin. <i>Biosensors and Bioelectronics</i> , 2017, 94, 657-662.	5.3	15
36	Peptide-Guided System with Programmable Subcellular Translocation for Targeted Therapy and Bypassing Multidrug Resistance. <i>Analytical Chemistry</i> , 2019, 91, 1880-1886.	3.2	14

#	ARTICLE	IF	CITATIONS
37	Study on the degeneracy of antisense peptides using affinity chromatography. <i>Journal of Chromatography A</i> , 2001, 913, 421-428.	1.8	13
38	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.	1.8	13
39	Probing the Dynamic Interaction between Damaged DNA and a Cellular Responsive Protein Using a Piezoelectric Mass Biosensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 8490-8497.	4.0	13
40	Pyridinium-Substituted Tetraphenylethylenes Functionalized with Alkyl Chains as Autophagy Modulators for Cancer Therapy. <i>Angewandte Chemie</i> , 2020, 132, 10128-10137.	1.6	13
41	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, 94-99.	5.0	11
42	Affinity capillary electrophoresis coupled with on-line microdialysis by attachable electrode. <i>Electrophoresis</i> , 1999, 20, 1846-1849.	1.3	10
43	Three novel high performance affinity chromatographic media for the separation of antithrombin III from human plasma. <i>Biomedical Chromatography</i> , 2001, 15, 487-492.	0.8	10
44	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, 122-131.	1.1	10
45	Dynamic interaction between melamine and cyanuric acid in artificial urine investigated by quartz crystal microbalance. <i>Analyst</i> , 2011, 136, 2482.	1.7	8
46	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.	2.5	8
47	Discovery, Synthesis, and Evaluation of Small-Molecule Signal Transducer and Activator of Transcription 3 Inhibitors. <i>Chemical and Pharmaceutical Bulletin</i> , 2012, 60, 1574-1580.	0.6	7
48	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, 11, e2200004.	3.9	7
49	A continuous-flow mass biosensor for the real-time dynamic analysis of protease inhibition. <i>Chemical Communications</i> , 2015, 51, 6601-6604.	2.2	6
50	Rational design and functional evolution of targeted peptides for bioanalytical applications. <i>Science China Chemistry</i> , 2016, 59, 1250-1257.	4.2	6
51	One-step synthesis of well-defined molecularly imprinted nanospheres for the class-selective recognition and separation of f <sup>2</sup> -blockers in human serum. <i>Journal of Chromatography A</i> , 2022, 1673, 463204.	1.8	6
52	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.	1.3	5
53	Study on peptide-peptide interaction using high-performance affinity chromatography and quartz crystal microbalance biosensor. <i>Science Bulletin</i> , 2007, 52, 1311-1319.	1.7	4
54	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> , 2022, 4, 255-267.	1.8	4

#	ARTICLE	IF	CITATIONS
55	DETERMINATION OF ENKEPHALINS IN FETUS BRAIN TISSUES BY MEANS OF HPLC WITH PRE-COLUMN FLUORESCENCE DERIVATIZATION. <i>Analytical Sciences</i> , 1991, 7, 951-954.	0.8	3
56	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, 175-181.	1.2	3
57	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, 531-536.	2.9	3
58	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.	0.5	2
59	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.	1.0	2
60	Frontispiz: Pyridinium-Substituted Tetraphenylethylenes Functionalized with Alkyl Chains as Autophagy Modulators for Cancer Therapy. <i>Angewandte Chemie</i> , 2020, 132, .	1.6	0
61	Frontispiece: Pyridinium-Substituted Tetraphenylethylenes Functionalized with Alkyl Chains as Autophagy Modulators for Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, .	7.2	0
62	Hydrazone bond-oriented molecularly imprinted nanocomposites for the selective separation of protein via the well-defined recognition sites. <i>Mikrochimica Acta</i> , 2022, 189, .	2.5	0