

Zhengjin Jiang

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104
papers

2,073
citations

25
h-index

39
g-index

110
ext. papers

2,435
ext. citations

5.3
avg, IF

5.07
L-index

#	Paper	IF	Citations
104	Hydrophilic interaction chromatography using methacrylate-based monolithic capillary column for the separation of polar analytes. <i>Analytical Chemistry</i> , 2007 , 79, 1243-50	7.8	170
103	Antimicrobial peptide based magnetic recognition elements and Au@Ag-GO SERS tags with stable internal standards: a three in one biosensor for isolation, discrimination and killing of multiple bacteria in whole blood. <i>Chemical Science</i> , 2018 , 9, 8781-8795	9.4	101
102	Developments in the use and fabrication of organic monolithic phases for use with high-performance liquid chromatography and capillary electrochromatography. <i>Journal of Chromatography A</i> , 2008 , 1184, 416-40	4.5	91
101	Preparation and application of hydrophilic monolithic columns. <i>Journal of Chromatography A</i> , 2011 , 1218, 2350-61	4.5	84
100	Novel zwitterionic polyphosphorylcholine monolithic column for hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2009 , 1216, 2439-48	4.5	67
99	Supercritical fluid chromatography in traditional Chinese medicine analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 147, 65-80	3.5	46
98	Bacteria Detection: From Powerful SERS to Its Advanced Compatible Techniques. <i>Advanced Science</i> , 2020 , 7, 2001739	13.6	46
97	Preparation of a β -cyclodextrin functionalized monolith via a novel and simple one-pot approach and application to enantioseparations. <i>Journal of Chromatography A</i> , 2014 , 1325, 147-54	4.5	44
96	Acetylcholinesterase immobilized capillary reactors coupled to protein coated magnetic beads: a new tool for plant extract ligand screening. <i>Talanta</i> , 2013 , 116, 647-52	6.2	44
95	Preparation and characterization of long alkyl chain methacrylate-based monolithic column for capillary chromatography. <i>Journal of Proteomics</i> , 2007 , 70, 39-45		44
94	Fast separation of triterpenoid saponins using supercritical fluid chromatography coupled with single quadrupole mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 121, 22-29	3.5	43
93	Novel highly hydrophilic zwitterionic monolithic column for hydrophilic interaction chromatography. <i>Journal of Separation Science</i> , 2009 , 32, 2544-55	3.4	42
92	A mechanistic study of enantiomeric separation with vancomycin and balhimycin as chiral selectors by capillary electrophoresis. Dimerization and enantioselectivity. <i>Analytical Chemistry</i> , 2004 , 76, 2387-92	7.8	41
91	Development and validation of a fast SFC method for the analysis of flavonoids in plant extracts. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 140, 384-391	3.5	34
90	Online screening of acetylcholinesterase inhibitors in natural products using monolith-based immobilized capillary enzyme reactors combined with liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2018 , 1563, 135-143	4.5	34
89	Simultaneous analysis of nucleobases, nucleosides and ginsenosides in ginseng extracts using supercritical fluid chromatography coupled with single quadrupole mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017 , 144, 213-219	3.5	33
88	Recent developments in cyclodextrin functionalized monolithic columns for the enantioseparation of chiral drugs. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 130, 110-125	3.5	32

87	Self-Assembly of Au@Ag Nanoparticles on Mussel Shell To Form Large-Scale 3D Supercrystals as Natural SERS Substrates for the Detection of Pathogenic Bacteria. <i>ACS Omega</i> , 2018 , 3, 2855-2864	3.9	31
86	Enantioseparation of N-derivatized amino acids by micro-liquid chromatography using carbamoylated quinidine functionalized monolithic stationary phase. <i>Journal of Chromatography A</i> , 2014 , 1363, 207-15	4.5	31
85	Preparation and application of novel zwitterionic monolithic column for hydrophilic interaction chromatography. <i>Journal of Separation Science</i> , 2013 , 36, 262-9	3.4	28
84	A facile and efficient strategy to enhance hydrophilicity of zwitterionic sulfoalkylbetaine type monoliths. <i>Journal of Chromatography A</i> , 2013 , 1301, 88-97	4.5	27
83	A rapid vesicle electrokinetic chromatography method for the in vitro prediction of non-specific binding for potential PET ligands. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011 , 54, 722-9	3.5	27
82	A facile and efficient one-step strategy for the preparation of Cyclodextrin monoliths. <i>Journal of Separation Science</i> , 2013 , 36, 2441-9	3.4	26
81	One-step strategy for the synthesis of a derivatized cyclodextrin-based monolithic column. <i>Journal of Separation Science</i> , 2014 , 37, 1720-7	3.4	25
80	Ultrasensitive and Simultaneous SERS Detection of Multiplex MicroRNA Using Fractal Gold Nanotags for Early Diagnosis and Prognosis of Hepatocellular Carcinoma. <i>Analytical Chemistry</i> , 2021 , 93, 8799-8809	7.8	25
79	Chromatography approaches for early screening of the phospholipidosis-inducing potential of pharmaceuticals. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012 , 61, 184-90	3.5	24
78	Evaluation of balhimycin as a chiral selector for enantioresolution by capillary electrophoresis. <i>Electrophoresis</i> , 2004 , 25, 2687-92	3.6	24
77	Gas-chromatographic separation of tri(hetero)halogenomethane enantiomers. <i>Chirality</i> , 2005 , 17, 488-93.1		23
76	Existence of a low isoenantioselective temperature in complexation gas chromatography. Profound change of enantioselectivity of a nickel(II) chiral selector either bonded to, or dissolved in, poly(dimethylsiloxane). <i>Journal of Chromatography A</i> , 2008 , 1186, 262-70	4.5	22
75	Development of double chain phosphatidylcholine functionalized polymeric monoliths for immobilized artificial membrane chromatography. <i>Journal of Chromatography A</i> , 2017 , 1479, 97-106	4.5	21
74	Simultaneous determination of amino acids in different teas using supercritical fluid chromatography coupled with single quadrupole mass spectrometry. <i>Journal of Pharmaceutical Analysis</i> , 2019 , 9, 254-258	14	21
73	Influence of the crosslinker type on the chromatographic properties of hydrophilic sulfoalkylbetaine-type monolithic columns. <i>Journal of Chromatography A</i> , 2014 , 1373, 73-80	4.5	21
72	Hydrophilic polymeric monoliths containing choline phosphate for separation science applications. <i>Analytica Chimica Acta</i> , 2018 , 999, 184-189	6.6	21
71	Chiral separation of acidic compounds using an O-9-(tert-butylcarbamoyl)quinidine functionalized monolith in micro-liquid chromatography. <i>Journal of Chromatography A</i> , 2016 , 1444, 64-73	4.5	20
70	A simple, fast, and sensitive colorimetric assay for visual detection of berberine in human plasma by NaHSO ₄ -optimized gold nanoparticles. <i>RSC Advances</i> , 2017 , 7, 34746-34754	3.7	20

69	Recent advances in bio-affinity chromatography for screening bioactive compounds from natural products. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 165, 182-197	3.5	20
68	Rapid screening and identification of monoamine oxidase-A inhibitors from <i>Corydalis</i> Rhizome using enzyme-immobilized magnetic beads based method. <i>Journal of Chromatography A</i> , 2019 , 1592, 1-8	4.5	19
67	Magnetic beads-based neuraminidase enzyme microreactor as a drug discovery tool for screening inhibitors from compound libraries and fishing ligands from natural products. <i>Journal of Chromatography A</i> , 2018 , 1568, 123-130	4.5	19
66	Separation of N-derivatized di- and tri-peptide stereoisomers by micro-liquid chromatography using a quinidine-based monolithic column - Analysis of l-carnosine in dietary supplements. <i>Journal of Chromatography A</i> , 2016 , 1428, 176-84	4.5	18
65	Biomimetic Polymer-Based Method for Selective Capture of C-Reactive Protein in Biological Fluids. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41999-42008	9.5	18
64	A facile and efficient single-step approach for the fabrication of vancomycin functionalized polymer-based monolith as chiral stationary phase for nano-liquid chromatography. <i>Journal of Chromatography A</i> , 2018 , 1557, 43-50	4.5	18
63	A novel mixed phospholipid functionalized monolithic column for early screening of drug induced phospholipidosis risk. <i>Journal of Chromatography A</i> , 2014 , 1367, 99-108	4.5	17
62	Preparation and evaluation of a novel monolithic column containing double octadecyl chains for reverse-phase micro high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2014 , 1345, 174-81	4.5	17
61	Recent advances in preparation and applications of monolithic chiral stationary phases. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 123, 115774	14.6	17
60	Effect of the crosslinker type on the enantioseparation performance of β -cyclodextrin functionalized monoliths prepared by the one-pot approach. <i>Journal of Chromatography A</i> , 2016 , 1467, 288-296	4.5	17
59	Preparation of a biomimetic polyphosphorylcholine monolithic column for immobilized artificial membrane chromatography. <i>Journal of Chromatography A</i> , 2015 , 1407, 176-83	4.5	16
58	Enantioseparation of N-derivatized amino acids by micro-liquid chromatography/laser induced fluorescence detection using quinidine-based monolithic columns. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016 , 121, 244-252	3.5	16
57	Comparative enantiomer affinity pattern of β -blockers in aqueous and nonaqueous CE using single-component anionic cyclodextrins. <i>Electrophoresis</i> , 2015 , 36, 1358-64	3.6	16
56	Preparation of molecularly imprinted hybrid monoliths for the selective detection of fluoroquinolones in infant formula powders. <i>Journal of Chromatography A</i> , 2019 , 1588, 33-40	4.5	16
55	Highlighting the role of the chlorine substituents in the glycopeptide antibiotic balhimycin for chiral recognition in capillary electrophoresis. <i>Electrophoresis</i> , 2006 , 27, 1154-62	3.6	15
54	Influence of the linking spacer length and type on the enantioseparation ability of β -cyclodextrin functionalized monoliths. <i>Talanta</i> , 2016 , 152, 259-68	6.2	14
53	Comparative evaluation of a one-pot strategy for the preparation of β -cyclodextrin-functionalized monoliths: Effect of the degree of amino substitution of β -cyclodextrin on the column performance. <i>Journal of Separation Science</i> , 2015 , 38, 1813-21	3.4	14
52	Highlighting the possible secondary interactions in the role of balhimycin and its analogues for enantiorecognition in capillary electrophoresis. <i>Journal of Chromatography A</i> , 2010 , 1217, 1149-56	4.5	14

51	Size-tunable Au@Ag nanoparticles for colorimetric and SERS dual-mode sensing of palmatine in traditional Chinese medicine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 174, 123-133	3.5	13
50	Evaluation of the potential of a quinidine-based monolithic column on the enantiomeric separation of herbicides by nano-liquid chromatography. <i>Microchemical Journal</i> , 2015 , 123, 15-21	4.8	13
49	Surface-enhanced resonance Raman scattering (SERRS) simulates PCR for sensitive DNA detection. <i>Analyst, The</i> , 2015 , 140, 7518-21	5	13
48	Biomimetic small peptide functionalized affinity monoliths for monoclonal antibody purification. <i>Analytica Chimica Acta</i> , 2018 , 1017, 57-65	6.6	13
47	Preparation and evaluation of 400Å I.D. polymer-based hydrophilic interaction chromatography monolithic columns with high column efficiency. <i>Journal of Chromatography A</i> , 2017 , 1509, 83-90	4.5	13
46	Boronate affinity glycosyl molecularly imprinted polymer microspheres for the determination of teicoplanin using ultra-high performance liquid chromatography coupled with tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2020 , 1615, 460776	4.5	13
45	Strongly fluorescent cysteamine-coated copper nanoclusters as a fluorescent probe for determination of picric acid. <i>Mikrochimica Acta</i> , 2018 , 185, 507	5.8	13
44	Liposome electrokinetic chromatography based in vitro model for early screening of the drug-induced phospholipidosis risk. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2014 , 96, 263-71	3.5	12
43	Separation and detection of free D- and L-amino acids in tea by off-line two-dimensional liquid chromatography. <i>Analytical Methods</i> , 2017 , 9, 6131-6138	3.2	12
42	Portable fluoride-selective electrode as signal transducer for sensitive and selective detection of trace antibiotics in complex samples. <i>Biosensors and Bioelectronics</i> , 2019 , 128, 113-121	11.8	12
41	Varespladib Inhibits the Phospholipase A and Coagulopathic Activities of Venom Components from Hemotoxic Snakes. <i>Biomedicines</i> , 2020 , 8,	4.8	11
40	The effect of charged groups on hydrophilic monolithic stationary phases on their chromatographic properties. <i>Journal of Chromatography A</i> , 2016 , 1469, 77-87	4.5	11
39	Determination of phenolic acids in extra virgin olive oil using supercritical fluid chromatography coupled with single quadrupole mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 157, 217-225	3.5	11
38	A method for rapidly predicting drug tissue distribution using surfactant vesicle electrokinetic chromatography. <i>Electrophoresis</i> , 2008 , 29, 3674-84	3.6	10
37	Rapid identification and isolation of neuraminidase inhibitors from mockstrawberry (Andr.) based on ligand fishing combined with HR-ESI-Q-TOF-MS. <i>Acta Pharmaceutica Sinica B</i> , 2020 , 10, 1846-1855	15.5	9
36	Use of neutral capillaries for the enantioseparation of N-benzoylated amino acids by capillary electrophoresis with bromobalhimycin as chiral selector. <i>Journal of Separation Science</i> , 2013 , 36, 1568-74	7.4	9
35	Fabrication and application of zwitterionic phosphorylcholine functionalized monoliths with different hydrophilic crosslinkers in hydrophilic interaction chromatography. <i>Analytica Chimica Acta</i> , 2020 , 1101, 222-229	6.6	9
34	Phosphatidic acid-functionalized monolithic stationary phase for reversed-phase/cation-exchange mixed mode chromatography. <i>RSC Advances</i> , 2016 , 6, 100891-100898	3.7	8

33	Quality assessment and origin tracing of Guangdong Liangcha granules using direct mass spectrometry fingerprinting. <i>Analytical Methods</i> , 2012 , 4, 3638	3.2	8
32	The Efficacy of Danshen Injection as Adjunctive Therapy in Treating Angina Pectoris: A Systematic Review and Meta-Analysis. <i>Heart Lung and Circulation</i> , 2018 , 27, 433-442	1.8	8
31	Preparation of an O-[2-(methacryloyloxy)-ethylcarbamoyl]-10,11-dihydroquinidine-silica hybrid monolithic column for the enantioseparation of amino acids by nano-liquid chromatography. <i>Journal of Chromatography A</i> , 2019 , 1593, 63-72	4.5	7
30	One-pot preparation of a sulfamethoxazole functionalized affinity monolithic column for selective isolation and purification of trypsin. <i>Journal of Chromatography A</i> , 2015 , 1400, 47-53	4.5	7
29	Rapid fabrication of versatile zwitterionic super-hydrophilic polymers by sole-monomer system for biomolecules separation. <i>Chemical Engineering Journal</i> , 2020 , 396, 125121	14.7	7
28	Effect of fabrication strategy on the enantioseparation performance of Cyclodextrin-functionalized polymethacrylate monoliths: A comparative evaluation. <i>Journal of Separation Science</i> , 2017 , 40, 3754-3762	3.4	7
27	Anti-fouling poly adenine coating combined with highly specific CD20 epitope mimetic peptide for rituximab detection in clinical patients' plasma. <i>Biosensors and Bioelectronics</i> , 2021 , 171, 112678	11.8	7
26	Development of high-throughput screening assays for profiling snake venom phospholipase A activity after chromatographic fractionation. <i>Toxicon</i> , 2020 , 184, 28-38	2.8	6
25	Highly sensitive determination of amanita toxins in biological samples using Cyclodextrin collaborated molecularly imprinted polymers coupled with ultra-high performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2020 , 1630, 461514	4.5	6
24	Capillary electrophoresis, high-performance liquid chromatography, and thin-layer chromatography analyses of phenolic compounds from rapeseed plants and evaluation of their antioxidant activity. <i>Journal of Separation Science</i> , 2019 , 42, 609-618	3.4	6
23	Method development and validation for the determination of biogenic amines in soy sauce using supercritical fluid chromatography coupled with single quadrupole mass spectrometry. <i>Journal of Separation Science</i> , 2020 , 43, 2728-2736	3.4	6
22	Separation of deamidated peptides with mixed-mode chromatography using phospholipid-functionalized monolithic stationary phases. <i>Journal of Chromatography A</i> , 2019 , 1603, 417-421	4.5	5
21	A strategy for screening trypsin inhibitors from traditional Chinese medicine based on a monolithic capillary immobilized enzyme reactor coupled with offline liquid chromatography and mass spectrometry. <i>Journal of Separation Science</i> , 2019 , 42, 1980-1989	3.4	5
20	Quality Evaluation of (Fort.) Carr. Using Supercritical Fluid Chromatography with Chemical Pattern Recognition. <i>Molecules</i> , 2019 , 24,	4.8	5
19	Determination of l-norvaline and l-tryptophan in dietary supplements by nano-LC using an O-[2-(methacryloyloxy)-ethylcarbamoyl]-10,11-dihydroquinidine-silica hybrid monolithic column. <i>Journal of Pharmaceutical Analysis</i> , 2020 , 10, 70-77	14	5
18	On-line enrichment of N-glycans by immobilized metal-affinity monolith for capillary electrophoresis analysis. <i>Analytica Chimica Acta</i> , 2020 , 1134, 1-9	6.6	4
17	Fast analysis of alkaloids from different parts of Mahonia bealei (Fort.) Carr. studied for their anti-Alzheimer's activity using supercritical fluid chromatography. <i>Journal of Separation Science</i> , 2021 , 44, 2006-2014	3.4	4
16	Preparation and application of teicoplanin functionalized polymeric monolith for enantioseparation of chiral drugs. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 182, 113129	3.5	3

15	Preparation and evaluation of tert-leucine derivative functionalized polymeric monoliths for micro-liquid chromatography. <i>Electrophoresis</i> , 2017 , 38, 3020-3028	3.6	3
14	Rapid Screening of Glucosidase Inhibitors from Natural Products by At-Line Nanofractionation with Parallel Mass Spectrometry and Bioactivity Assessment. <i>Journal of Chromatography A</i> , 2021 , 1635, 4617405	4.5	3
13	A single-step preparation of carbohydrate functionalized monoliths for separation and trapping of polar compounds. <i>Journal of Chromatography A</i> , 2020 , 1628, 461481	4.5	2
12	Development of acidic phospholipid containing immobilized artificial membrane column to predict drug-induced phospholipidosis potency. <i>Journal of Chromatography A</i> , 2021 , 1647, 462147	4.5	2
11	Phosphatidylethanolamine functionalized biomimetic monolith for immobilized artificial membrane chromatography.. <i>Journal of Pharmaceutical Analysis</i> , 2022 , 12, 332-338	14	2
10	A systematic investigation of the effect of sample solvent on peak shape in nano- and microflow hydrophilic interaction liquid chromatography columns. <i>Journal of Chromatography A</i> , 2021 , 1655, 4624985	4.5	2
9	Glycosyl imprinted mesoporous microspheres for the determination of glycopeptide antibiotics using ultra-high performance liquid chromatography coupled with tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2021 , 1659, 462630	4.5	1
8	Rapid preparation of 1-vinylimidazole based non-affinity polymers for the highly-selective purification of antibodies from multiple biological sources. <i>Journal of Chromatography A</i> , 2020 , 1632, 461607	4.5	1
7	Synthesis and Application of Zwitterionic Magnetic Molecularly Imprinted Polymer for Selective Removal of Fluoroquinolones from Aqueous Solution. <i>Current Analytical Chemistry</i> , 2021 , 17, 408-417	1.7	1
6	Development of zirconium modified adenosine triphosphate functionalized monolith for specific enrichment of N-glycans. <i>Journal of Chromatography A</i> , 2021 , 1644, 462090	4.5	1
5	Supercritical fluid chromatography using methacrylate-based monolithic column for the separation of polar analytes. <i>Journal of Separation Science</i> , 2021 , 44, 3324-3332	3.4	1
4	Enantiomeric Separation of Colchicine and Lacosamide by Nano-LC. Quantitative Analysis in Pharmaceutical Formulations. <i>Separations</i> , 2020 , 7, 55	3.1	0
3	Photo-assisted generation of versatile zwitterionic carboxybetaine-based hypercrosslinked polymers for separation science. <i>Chemical Engineering Journal</i> , 2021 , 133374	14.7	0
2	Development of histidine-tagged cyclic peptide functionalized monolithic material for the affinity purification of antibodies in biological matrices. <i>Journal of Chromatography A</i> , 2021 , 1635, 461707	4.5	0
1	Single-step fabrication of a teicoplanin functionalized organic-silica hybrid monolith for enantioseparation by nano-liquid chromatography. <i>Journal of Chromatography Open</i> , 2021 , 1, 100008		