

Liang Zhao

List of Publications by Year in descending order

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55
papers

1,550
citations

279798

23
h-index

315739

38
g-index

61
all docs

61
docs citations

61
times ranked

1764
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective extraction of flavonoids from <i>Lycium barbarum</i> L. fruits by deep eutectic solvents-based ultrasound-assisted extraction. <i>Talanta</i> , 2019, 203, 16-22.	5.5	156
2	Recent advances of mesoporous materials in sample preparation. <i>Journal of Chromatography A</i> , 2012, 1228, 193-204.	3.7	116
3	Hypoxia-responsive lipid-poly-(hypoxic radiosensitized polyprodrug) nanoparticles for glioma chemo- and radiotherapy. <i>Theranostics</i> , 2018, 8, 5088-5105.	10.0	104
4	A poly(ethylene glycol)-brush decorated magnetic polymer for highly specific enrichment of phosphopeptides. <i>Chemical Science</i> , 2012, 3, 2828.	7.4	95
5	Electrochemical sensor for discrimination tyrosine enantiomers using graphene quantum dots and β -cyclodextrins composites. <i>Talanta</i> , 2017, 173, 94-100.	5.5	89
6	The highly selective capture of phosphopeptides by zirconium phosphonate-modified magnetic nanoparticles for phosphoproteome analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 1176-1186.	2.8	64
7	An electrochemical sensor based on cellulose nanocrystal for the enantioselective discrimination of chiral amino acids. <i>Analytical Biochemistry</i> , 2016, 508, 50-57.	2.4	46
8	Multi-mode application of graphene quantum dots bonded silica stationary phase for high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2017, 1492, 61-69.	3.7	43
9	A polar-embedded C30 stationary phase: Preparation and evaluation. <i>Journal of Chromatography A</i> , 2015, 1388, 133-140.	3.7	42
10	Preparation and applications of cellulose-functionalized chiral stationary phases: A review. <i>Talanta</i> , 2021, 225, 121987.	5.5	40
11	Graphene quantum dots functionalized β -cyclodextrin and cellulose chiral stationary phases with enhanced enantioseparation performance. <i>Journal of Chromatography A</i> , 2019, 1600, 209-218.	3.7	37
12	Applications of carbon nanomaterials in chiral separation. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 129, 115941.	11.4	37
13	Spherical β -cyclodextrin-silica hybrid materials for multifunctional chiral stationary phases. <i>Journal of Chromatography A</i> , 2015, 1383, 70-78.	3.7	31
14	Applications of hybrid organic-inorganic materials in chiral separation. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 95, 140-148.	11.4	31
15	Covalent organic nanospheres: facile preparation and application in high-resolution gas chromatographic separation. <i>Chemical Communications</i> , 2019, 55, 10908-10911.	4.1	31
16	Glucose-based carbon dots-modified silica stationary phase for hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2020, 1619, 460930.	3.7	30
17	Chiral pillar[n]arenes: Conformation inversion, material preparation and applications. <i>Chinese Chemical Letters</i> , 2022, 33, 3613-3622.	9.0	30
18	Hypoxia-Responsive Lipid-Polymer Nanoparticle-Combined Imaging-Guided Surgery and Multitherapy Strategies for Glioma. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 52319-52328.	8.0	28

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19	A new strategy for the preparation of mixed-mode chromatographic stationary phases based on modified dialdehyde cellulose. <i>Journal of Chromatography A</i> , 2020, 1618, 460885.	3.7	28
20	Nanocellulose 3, 5- ϵ -Dimethylphenylcarbamate Derivative Coated Chiral Stationary Phase: Preparation and Enantioseparation Performance. <i>Chirality</i> , 2016, 28, 376-381.	2.6	27
21	The highly heterogeneous methylated genomes and diverse restriction-modification systems of bloom-forming <i>Microcystis</i> . <i>Harmful Algae</i> , 2018, 75, 87-93.	4.8	27
22	Graphene quantum dots as additives in capillary electrophoresis for separation cinnamic acid and its derivatives. <i>Analytical Biochemistry</i> , 2016, 500, 38-44.	2.4	25
23	Preparation and performance of a novel multi-mode COF-300@SiO ₂ chromatographic stationary phase. <i>European Polymer Journal</i> , 2019, 116, 9-19.	5.4	25
24	A phenylenediamine-based carbon dot-modified silica stationary phase for hydrophilic interaction chromatography. <i>Analyst</i> , The, 2020, 145, 1056-1061.	3.5	25
25	Graphene quantum dots-functionalized C18 hydrophobic/hydrophilic stationary phase for high performance liquid chromatography. <i>Talanta</i> , 2019, 194, 105-113.	5.5	24
26	Two copolymer-grafted silica stationary phases prepared by surface thiol-ene click reaction in deep eutectic solvents for hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2020, 1609, 460446.	3.7	24
27	The on-bead digestion of protein corona on nanoparticles by trypsin immobilized on the magnetic nanoparticle. <i>Journal of Chromatography A</i> , 2014, 1334, 55-63.	3.7	20
28	Nanocellulose crystals derivative-silica hybrid sol open tubular capillary column for enantioseparation. <i>Carbohydrate Polymers</i> , 2017, 165, 359-367.	10.2	20
29	Recent developments for the investigation of chiral properties and applications of pillar[5]arenes in analytical chemistry. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 131, 116026.	11.4	20
30	Anhydride-linked β -cyclodextrin-bonded silica stationary phases with enhanced chiral separation ability in liquid chromatography. <i>Journal of Chromatography A</i> , 2021, 1651, 462338.	3.7	20
31	Ionic liquid-functionalized graphene quantum dot-bonded silica as multi-mode HPLC stationary phase with enhanced selectivity for acid compounds. <i>New Journal of Chemistry</i> , 2018, 42, 8672-8680.	2.8	17
32	Amphipathic carbon quantum dots-functionalized silica stationary phase for reversed phase/hydrophilic interaction chromatography. <i>Talanta</i> , 2021, 226, 122148.	5.5	17
33	Chiral pillar[5]arene-functionalized silica microspheres: synthesis, characterization and enantiomer separation. <i>Chemical Communications</i> , 2022, 58, 3362-3365.	4.1	16
34	Inhibition of glioma growth by a GOLPH3 siRNA-loaded cationic liposomes. <i>Journal of Neuro-Oncology</i> , 2018, 140, 249-260.	2.9	15
35	Levels and fingerprints of chlorinated aromatic hydrocarbons in fly ashes from the typical industrial thermal processes: Implication for the co-formation mechanism. <i>Chemosphere</i> , 2019, 224, 298-305.	8.2	15
36	Synthesis of octadecylamine-derived carbon dots and application in reversed phase/hydrophilic interaction liquid chromatography. <i>Journal of Chromatography A</i> , 2021, 1656, 462548.	3.7	13

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37	Preparation and chromatographic performance of a multifunctional immobilized chiral stationary phase based on dialdehyde microcrystalline cellulose derivatives. <i>Chirality</i> , 2019, 31, 669-681.	2.6	11
38	Nanocellulose Derivative/Silica Hybrid Core-Shell Chiral Stationary Phase: Preparation and Enantioseparation Performance. <i>Molecules</i> , 2016, 21, 561.	3.8	10
39	Angiopep-2 Modified Cationic Lipid-Poly-Lactic-Co-Glycolic Acid Delivery Temozolomide and DNA Repair Inhibitor Dabir to Achieve Synergetic Chemo-Radiotherapy Against Glioma. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 7539-7545.	0.9	10
40	Chiral phenethylamine synergistic tricarboxylic acid modified β -cyclodextrin immobilized on porous silica for enantioseparation. <i>Chinese Chemical Letters</i> , 2023, 34, 107606.	9.0	10
41	Stable isotope dimethyl labeling combined with LTQ mass spectrometric detection, a quantitative proteomics technology used in liver cancer research. <i>Biomedical Reports</i> , 2013, 1, 549-554.	2.0	9
42	Simultaneous determination of phenylethanoid glycosides and aglycones by capillary zone electrophoresis with running buffer modifier. <i>Analytical Biochemistry</i> , 2014, 449, 158-163.	2.4	9
43	Chromatographic Evaluation of Octadecyl-Bonded TiO ₂ /SiO ₂ Stationary Phase with Engelhardt and Tanaka Test Mixtures. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2007, 31, 151-160.	1.0	7
44	Nanoamylose-bis(3,5-dimethylphenylcarbamate)-silica hybrid sol immobilized on open tubular capillary column for capillary electrochromatography enantioseparation. <i>Electrophoresis</i> , 2018, 39, 1086-1095.	2.4	7
45	Basic Indole Ring Enantiomer Separation on Cellulose <i>Tris</i> (3,5-dimethylphenylcarbamate) Coated TiO ₂ /SiO ₂ Chiral Stationary Phase. <i>Analytical Letters</i> , 2007, 40, 2515-2523.	1.8	6
46	Investigation of Enantiomer Separation by LC with a New Bonded Cellulose 3,5-Dimethylphenylcarbamate Chiral Stationary Phase. <i>Chromatographia</i> , 2006, 64, 273-280.	1.3	5
47	Chromatographic Evaluation of Octadecyl-Bonded SiO ₂ /SiO ₂ -Based Stationary Phase for Reversed-Phase High Performance Liquid Chromatography. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 1445-1450.	3.7	5
48	Preparation and evaluation of bisector bonded-type multifunctional chiral stationary phase based on dialdehyde cellulose and 6- <i>monodeoxy</i> -6- <i>monoamino</i> - β -cyclodextrine derivatives. <i>Chirality</i> , 2020, 32, 387-399.	2.6	5
49	Carbon quantum dots-functionalized silica stationary phase for pharmaceutical analysis by a green liquid chromatography mode. <i>Mikrochimica Acta</i> , 2022, 189, 175.	5.0	4
50	Enantioselective separation of indole derivatives by liquid chromatography using immobilized cellulose (3,5-dimethylphenylcarbamate) chiral stationary phase. <i>Journal of Analytical Chemistry</i> , 2009, 64, 795-805.	0.9	3
51	The potent radioprotective agents: Novel nitronyl nitroxide radical spin-labeled resveratrol derivatives. <i>Anticancer Research</i> , 2021, 155, 105053.	2.2	3
52	Separation and Determination of Water Soluble Active Components in <i>Salvia miltiorrhiza</i> Bunge and Its Pharmaceutical Preparations by Capillary Zone Electrophoresis with Diode Array Detection. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2007, 30, 2819-2833.	1.0	2
53	Selective Capture of Phosphopeptides by Zirconium Phosphonate-Magnetic Nanoparticles. <i>Methods in Molecular Biology</i> , 2011, 790, 215-222.	0.9	2
54	Simulation of CFCs Distribution in the North Pacific Using a Basin-Wide Ocean General Circulation Model with an Open Boundary. <i>Chinese Journal of Geophysics</i> , 2005, 48, 870-879.	0.2	1

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55	Hybrid Organic-Inorganic Materials Containing a Nanocellulose Derivative as Chiral Selector. <i>Methods in Molecular Biology</i> , 2019, 1985, 171-181.	0.9	0