

Zhongshan Liu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Construction of hierarchically porous monoliths from covalent organic frameworks (COFs) and their application for bisphenol A removal. <i>Journal of Hazardous Materials</i> , 2018, 355, 145-153.	6.5	91
2	Recent development of hybrid organic-silica monolithic columns in CEC and capillary LC. <i>Electrophoresis</i> , 2015, 36, 62-75.	1.3	90
3	Tailor-Made Stable Zr(IV)-Based Metal-Organic Frameworks for Laser Desorption/Ionization Mass Spectrometry Analysis of Small Molecules and Simultaneous Enrichment of Phosphopeptides. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20292-20300.	4.0	84
4	Preparation of Hybrid Monolithic Columns via One-Pot-Photoinitiated Thiol-Acrylate Polymerization for Retention-Independent Performance in Capillary Liquid Chromatography. <i>Analytical Chemistry</i> , 2015, 87, 8789-8797.	3.2	72
5	Preparation of Monolithic Polymer Columns with Homogeneous Structure via Photoinitiated Thiol-yne Click Polymerization and Their Application in Separation of Small Molecules. <i>Analytical Chemistry</i> , 2014, 86, 12334-12340.	3.2	69
6	Facile construction of macroporous hybrid monoliths via thiol-methacrylate Michael addition click reaction for capillary liquid chromatography. <i>Journal of Chromatography A</i> , 2015, 1379, 34-42.	1.8	65
7	Facile preparation of a stable and functionalizable hybrid monolith via ring-opening polymerization for capillary liquid chromatography. <i>Journal of Chromatography A</i> , 2013, 1301, 131-138.	1.8	63
8	Photoinduced thiol-ene polymerization reaction for fast preparation of macroporous hybrid monoliths and their application in capillary liquid chromatography. <i>Chemical Communications</i> , 2014, 50, 9288-9290.	2.2	49
9	Click polymerization for preparation of monolithic columns for liquid chromatography. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 82, 89-99.	5.8	49
10	Thiol-Epoxy Click Polymerization for Preparation of Polymeric Monoliths with Well-Defined 3D Framework for Capillary Liquid Chromatography. <i>Analytical Chemistry</i> , 2015, 87, 3476-3483.	3.2	48
11	Fast preparation of a highly efficient organic monolith via photo-initiated thiol-ene click polymerization for capillary liquid chromatography. <i>Journal of Chromatography A</i> , 2015, 1394, 103-110.	1.8	47
12	Preparation of polyhedral oligomeric silsesquioxane-based hybrid monolith by ring-opening polymerization and post-functionalization via thiol-ene click reaction. <i>Journal of Chromatography A</i> , 2014, 1342, 70-77.	1.8	46
13	Facile Preparation of Titanium(IV)-Immobilized Hierarchically Porous Hybrid Monoliths. <i>Analytical Chemistry</i> , 2017, 89, 4655-4662.	3.2	39
14	Separation of intact proteins by using polyhedral oligomeric silsesquioxane based hybrid monolithic capillary columns. <i>Journal of Chromatography A</i> , 2013, 1317, 138-147.	1.8	38
15	Preparation of Polypropylene Spin Tips Filled with Immobilized Titanium(IV) Ion Monolithic Adsorbent for Robust Phosphoproteome Analysis. <i>Analytical Chemistry</i> , 2016, 88, 5058-5064.	3.2	36
16	Synthesis and Characterization of Hydrazide-Linked and Amide-Linked Organic Polymers. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32060-32067.	4.0	36
17	Pesticides and trace elements in cannabis: Analytical and environmental challenges and opportunities. <i>Journal of Environmental Sciences</i> , 2019, 85, 82-93.	3.2	31
18	Preparation of well-controlled three-dimensional skeletal hybrid monoliths via thiol-epoxy click polymerization for highly efficient separation of small molecules in capillary liquid chromatography. <i>Journal of Chromatography A</i> , 2015, 1416, 74-82.	1.8	29

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19	Formation, Identification, and Occurrence of New Bromo- and Mixed Halo-Tyrosyl Dipeptides in Chloraminated Water. <i>Environmental Science & Technology</i> , 2019, 53, 3672-3680.	4.6	29
20	A novel polymeric monolith prepared with multi-acrylate crosslinker for retention-independent efficient separation of small molecules in capillary liquid chromatography. <i>Analytica Chimica Acta</i> , 2015, 883, 90-98.	2.6	27
21	Silica Monolith Nested in Sponge (SIMNS): A Composite Monolith as a New Solid Phase Extraction Material for Environmental Analysis. <i>Analytical Chemistry</i> , 2019, 91, 3659-3666.	3.2	27
22	Preparation and characterization of hydrophilic hybrid monoliths via thiol-ene click polymerization and their applications in chromatographic analysis and glycopeptides enrichment. <i>Journal of Chromatography A</i> , 2017, 1498, 37-45.	1.8	26
23	Functionalization of hybrid monolithic columns via thiol-ene click reaction for proteomics analysis. <i>Journal of Chromatography A</i> , 2017, 1498, 29-36.	1.8	23
24	Rapid one-pot preparation of polymeric monolith via photo-initiated thiol-acrylate polymerization for capillary liquid chromatography. <i>Analytica Chimica Acta</i> , 2016, 925, 88-96.	2.6	22
25	A hybrid fluorinated monolithic capillary column with integrated nano-electrospray ionization emitter for determination of perfluoroalkyl acids by nano-liquid chromatography-nano-electrospray ionization-mass spectrometry/mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1440, 66-73.	1.8	22
26	Poros styryl-linked polyhedral oligomeric silsesquioxane (POSS) polymers used as a support for platinum catalysts. <i>Materials Chemistry Frontiers</i> , 2019, 3, 851-859.	3.2	22
27	Improving permeability and chromatographic performance of poly(pentaerythritol diacrylate) Tj ETQq1 1 0.784314 rgBT /Overlock 1000. <i>Journal of Chromatography A</i> , 2016, 1436, 100-108.	1.8	21
28	Chromatographic assessment of two hybrid monoliths prepared via epoxy-amine ring-opening polymerization and methacrylate-based free radical polymerization using methacrylate epoxy cyclosiloxane as functional monomer. <i>Journal of Chromatography A</i> , 2014, 1367, 131-140.	1.8	20
29	Stable Isotopic Labeling and Nontarget Identification of Nanogram/Liter Amino Contaminants in Water. <i>Analytical Chemistry</i> , 2019, 91, 13213-13221.	3.2	20
30	Preparation of polyhedral oligomeric silsesquioxane based hybrid monoliths by ring-opening polymerization for capillary LC and CEC. <i>Journal of Separation Science</i> , 2013, 36, 2819-2825.	1.3	16
31	Preparation of cyclodextrin-modified monolithic hybrid columns for the fast enantioseparation of hydroxy acids in capillary liquid chromatography. <i>Journal of Separation Science</i> , 2016, 39, 1110-1117.	1.3	16
32	Nontargeted Identification of an N-Heterocyclic Compound in Source Water and Wastewater as a Precursor of Multiple Nitrosamines. <i>Environmental Science & Technology</i> , 2021, 55, 385-392.	4.6	15
33	Chromatographic efficiency comparison of polyhedral oligomeric silsesquioxanes-containing hybrid monoliths via photo- and thermally-initiated free-radical polymerization in capillary liquid chromatography for small molecules. <i>Journal of Chromatography A</i> , 2015, 1410, 110-117.	1.8	13
34	One-Pot Approach to Prepare Organo-silica Hybrid Capillary Monolithic Column with Intact Mesoporous Silica Nanoparticle as Building Block. <i>Scientific Reports</i> , 2016, 6, 34718.	1.6	11
35	One-Pot Preparation of Macroporous Organic-Silica Monolith for the Organics/Water Separation. <i>ChemistrySelect</i> , 2017, 2, 4538-4544.	0.7	7
36	Facile Synthesis of Dodecamine Organic Cage-Based Monolithic Microreactor via Ring-Opening Polymerization Following Spontaneous Reduction of Gold Ions for Continuous Flow Catalysis. <i>ChemistrySelect</i> , 2017, 2, 10880-10884.	0.7	2