

Claire Demesmay

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.

30
papers

662
citations

15
h-index

25
g-index

30
ext. papers

728
ext. citations

4.6
avg, IF

3.77
L-index

#	Paper	IF	Citations
30	Miniaturized antithrombin III affinity monolithic columns coupled to TOF-MS for the selective capture and release of fondaparinux a high affinity antithrombin III ligand.. <i>Talanta</i> , 2022 , 241, 123275	6.2	0
29	Affinity Chromatography: A Powerful Tool in Drug Discovery for Investigating Ligand/membrane Protein Interactions. <i>Separation and Purification Reviews</i> , 2021 , 50, 315-332	7.3	2
28	Two Original Experimental Setups for Staircase Frontal Affinity Chromatography at the Miniaturized Scale.. <i>Analytical Chemistry</i> , 2021 , 93, 16981-16986	7.8	0
27	Miniaturized weak affinity chromatography for ligand identification of nanodiscs-embedded G-protein coupled receptors. <i>Analytica Chimica Acta</i> , 2020 , 1113, 26-35	6.6	9
26	Off-line coupling of capillary isotachopheresis separation to IRMPD spectroscopy for glycosaminoglycans analysis: Application to the chondroitin sulfate disaccharides model solutes. <i>Journal of Chromatography A</i> , 2020 , 1617, 460782	4.5	3
25	Towards a Non-Biased Formaldehyde Quantification in Leather: New Derivatization Conditions before HPLC Analysis of 2,4-Dinitrophenylhydrazine Derivatives. <i>Molecules</i> , 2020 , 25,	4.8	1
24	Development of a new in-line coupling of a miniaturized boronate affinity monolithic column with reversed-phase silica monolithic capillary column for analysis of cis-diol-containing nucleoside compounds. <i>Journal of Chromatography A</i> , 2019 , 1597, 209-213	4.5	7
23	Hyphenation of short monolithic silica capillary column with vacuum ultraviolet spectroscopy detector for light hydrocarbons separation. <i>Journal of Chromatography A</i> , 2019 , 1595, 174-179	4.5	8
22	Monolith weak affinity chromatography for β -protein-ligand interaction study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019 , 166, 164-173	3.5	11
21	Monolith Passive Adsorbers Prepared with Hydrophobic Porous Silica Rods Coated with Hydrogel. <i>Analytical Letters</i> , 2018 , 51, 935-954	2.2	2
20	Evaluation of boronate affinity solid-phase extraction coupled in-line to capillary isoelectric focusing for the analysis of catecholamines in urine. <i>Analytica Chimica Acta</i> , 2018 , 1034, 195-203	6.6	9
19	Back to BAC: Insights into Boronate Affinity Chromatography Interaction Mechanisms. <i>Separation and Purification Reviews</i> , 2018 , 47, 214-228	7.3	30
18	Online Separation and Identification of Isomers Using Infrared Multiple Photon Dissociation Ion Spectroscopy Coupled to Liquid Chromatography: Application to the Analysis of Disaccharides Regio-Isomers and Monosaccharide Anomers. <i>Analytical Chemistry</i> , 2018 , 90, 11741-11745	7.8	38
17	Behavior of macroporous vinyl silica and silica monolithic columns in high pressure gas chromatography. <i>Journal of Chromatography A</i> , 2017 , 1504, 105-111	4.5	8
16	Development and application of a new in-line coupling of a miniaturized boronate affinity monolithic column with capillary zone electrophoresis for the selective enrichment and analysis of cis-diol-containing compounds. <i>Journal of Chromatography A</i> , 2017 , 1494, 65-76	4.5	21
15	Behavior of short silica monolithic columns in high pressure gas chromatography. <i>Journal of Chromatography A</i> , 2016 , 1460, 153-9	4.5	5
14	One-pot synthesis of a new high vinyl content hybrid silica monolith dedicated to nanoliquid chromatography. <i>Journal of Separation Science</i> , 2016 , 39, 842-50	3.4	12

13	Synthesis and Surface Reactivity of Vinylized Macroporous Silica Monoliths: One-Pot Hybrid versus Postsynthesis Grafting Strategies. <i>Langmuir</i> , 2015 , 31, 11649-58	4	11
12	Is click chemistry attractive for separation sciences?. <i>Journal of Separation Science</i> , 2013 , 36, 2049-62	3.4	33
11	Photografting as a versatile, localizable, and single-step surface functionalization of silica-based monoliths dedicated to microscale separation techniques. <i>Journal of Separation Science</i> , 2013 , 36, 993-1001	3.4	19
10	Purification of Coomassie Brilliant Blue G-250 by multiple dual mode countercurrent chromatography. <i>Journal of Chromatography A</i> , 2012 , 1232, 134-41	4.5	20
9	Zirconia based monoliths used in hydrophilic-interaction chromatography for original selectivity of xanthenes. <i>Journal of Chromatography A</i> , 2010 , 1217, 1496-500	4.5	49
8	Synthesis of propyl-functionalized hybrid monolithic silica capillaries and evaluation of their performances in nano-LC and CEC. <i>Journal of Separation Science</i> , 2007 , 30, 3035-42	3.4	30
7	Electrochromatographic behavior of silica monolithic capillaries of different skeleton sizes synthesized with a simplified and shortened sol-gel procedure. <i>Electrophoresis</i> , 2006 , 27, 3971-80	3.6	27
6	Spherical ordered mesoporous silicas and silica monoliths as stationary phases for liquid chromatography. <i>Journal of Separation Science</i> , 2006 , 29, 844-55	3.4	88
5	Synthesis of zirconia monoliths for chromatographic separations. <i>Journal of Chromatography A</i> , 2006 , 1109, 19-25	4.5	61
4	Development of acrylate-based monolithic stationary phases for electrochromatographic separations. <i>Electrophoresis</i> , 2005 , 26, 4104-15	3.6	40
3	Development and in situ synthesis of monolithic stationary phases for electrochromatographic separations. <i>Electrophoresis</i> , 2004 , 25, 3204-15	3.6	51
2	Separation of cardiac glycosides by micellar electrokinetic chromatography and microemulsion electrokinetic chromatography. <i>Journal of Chromatography A</i> , 1997 , 779, 227-33	4.5	35
1	Determination of total arsenic concentrations in biological matrices by inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 1994 , 9, 1379-1384	3.7	32