

# Claire Demesmay

## List of Publications by Year in descending order

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30  
papers

789  
citations

516681

16  
h-index

501174

28  
g-index

30  
all docs

30  
docs citations

30  
times ranked

825  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spherical ordered mesoporous silicas and silica monoliths as stationary phases for liquid chromatography. <i>Journal of Separation Science</i> , 2006, 29, 844-855.	2.5	93
2	Synthesis of zirconia monoliths for chromatographic separations. <i>Journal of Chromatography A</i> , 2006, 1109, 19-25.	3.7	63
3	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.	6.5	61
4	Development and in situ synthesis of monolithic stationary phases for electrochromatographic separations. <i>Electrophoresis</i> , 2004, 25, 3204-3215.	2.4	53
5	Zirconia based monoliths used in hydrophilic-interaction chromatography for original selectivity of xanthenes. <i>Journal of Chromatography A</i> , 2010, 1217, 1496-1500.	3.7	51
6	Back to BAC: Insights into Boronate Affinity Chromatography Interaction Mechanisms. <i>Separation and Purification Reviews</i> , 2018, 47, 214-228.	5.5	46
7	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.	3.0	41
8	Development of acrylate-based monolithic stationary phases for electrochromatographic separations. <i>Electrophoresis</i> , 2005, 26, 4104-4115.	2.4	40
9	Separation of cardiac glycosides by micellar electrokinetic chromatography and microemulsion electrokinetic chromatography. <i>Journal of Chromatography A</i> , 1997, 779, 227-233.	3.7	38
10	Is click chemistry attractive for separation sciences?. <i>Journal of Separation Science</i> , 2013, 36, 2049-2062.	2.5	36
11	Electrochromatographic behavior of silica monolithic capillaries of different skeleton sizes synthesized with a simplified and shortened sol-gel procedure. <i>Electrophoresis</i> , 2006, 27, 3971-3980.	2.4	31
12	Synthesis of propyl-functionalized hybrid monolithic silica capillaries and evaluation of their performances in nano-CEC and CEC. <i>Journal of Separation Science</i> , 2007, 30, 3035-3042.	2.5	31
13	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.	3.7	28
14	Purification of Coomassie Brilliant Blue G-250 by multiple dual mode countercurrent chromatography. <i>Journal of Chromatography A</i> , 2012, 1232, 134-141.	3.7	24
15	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.	2.5	20
16	Miniaturized weak affinity chromatography for ligand identification of nanodiscs-embedded G-protein coupled receptors. <i>Analytica Chimica Acta</i> , 2020, 1113, 26-35.	5.4	18
17	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.	5.4	16
18	Monolith weak affinity chromatography for $1\frac{1}{4}$ g-protein-ligand interaction study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 166, 164-173.	2.8	16

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19	One-pot synthesis of a new high vinyl content hybrid silica monolith dedicated to nanoliquid chromatography. <i>Journal of Separation Science</i> , 2016, 39, 842-850.	2.5	13
20	Synthesis and Surface Reactivity of Vinylized Macroporous Silica Monoliths: One-Pot Hybrid versus Postsynthesis Grafting Strategies. <i>Langmuir</i> , 2015, 31, 11649-11658.	3.5	12
21	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.	3.7	12
22	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.	3.7	10
23	Behavior of macroporous vinyl silica and silica monolithic columns in high pressure gas chromatography. <i>Journal of Chromatography A</i> , 2017, 1504, 105-111.	3.7	8
24	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.	3.7	6
25	Affinity Chromatography: A Powerful Tool in Drug Discovery for Investigating Ligand/membrane Protein Interactions. <i>Separation and Purification Reviews</i> , 2021, 50, 315-332.	5.5	6
26	Behavior of short silica monolithic columns in high pressure gas chromatography. <i>Journal of Chromatography A</i> , 2016, 1460, 153-159.	3.7	5
27	Towards a Non-Biased Formaldehyde Quantification in Leather: New Derivatization Conditions before HPLC Analysis of 2,4-Dinitrophenylhydrazine Derivatives. <i>Molecules</i> , 2020, 25, 5765.	3.8	4
28	Two Original Experimental Setups for Staircase Frontal Affinity Chromatography at the Miniaturized Scale. <i>Analytical Chemistry</i> , 2021, 93, 16981-16986.	6.5	3
29	Monolith Passive Adsorbers Prepared with Hydrophobic Porous Silica Rods Coated with Hydrogel. <i>Analytical Letters</i> , 2018, 51, 935-954.	1.8	2
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.	5.5	2