

Claire Demesmay

List of Publications by Citations

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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 | 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 |
| 29 | Synthesis of zirconia monoliths for chromatographic separations. <i>Journal of Chromatography A</i> , 2006 , 1109, 19-25 | 4.5 | 61 |
| 28 | Development and in situ synthesis of monolithic stationary phases for electrochromatographic separations. <i>Electrophoresis</i> , 2004 , 25, 3204-15 | 3.6 | 51 |
| 27 | 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 |
| 26 | Development of acrylate-based monolithic stationary phases for electrochromatographic separations. <i>Electrophoresis</i> , 2005 , 26, 4104-15 | 3.6 | 40 |
| 25 | 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 |
| 24 | 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 |
| 23 | Is click chemistry attractive for separation sciences?. <i>Journal of Separation Science</i> , 2013 , 36, 2049-62 | 3.4 | 33 |
| 22 | 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 |
| 21 | 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 |
| 20 | Back to BAC: Insights into Boronate Affinity Chromatography Interaction Mechanisms. <i>Separation and Purification Reviews</i> , 2018 , 47, 214-228 | 7.3 | 30 |
| 19 | 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 |
| 18 | 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 |
| 17 | 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | 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 |

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|----|---|-----|----|
| 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 | 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 |
| 11 | 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 |
| 10 | 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 |
| 9 | 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 |
| 8 | 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 |
| 7 | Behavior of short silica monolithic columns in high pressure gas chromatography. <i>Journal of Chromatography A</i> , 2016 , 1460, 153-9 | 4.5 | 5 |
| 6 | 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 |
| 5 | Monolith Passive Adsorbers Prepared with Hydrophobic Porous Silica Rods Coated with Hydrogel. <i>Analytical Letters</i> , 2018 , 51, 935-954 | 2.2 | 2 |
| 4 | 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 |
| 3 | 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 |
| 2 | 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 |
| 1 | Two Original Experimental Setups for Staircase Frontal Affinity Chromatography at the Miniaturized Scale.. <i>Analytical Chemistry</i> , 2021 , 93, 16981-16986 | 7.8 | 0 |