Edvaldo Vasconcelos Soares Maciel

List of Publications by Year
in descending order

21 papers	651 citations	759233 12 h-index	794594 19 g-index
21 all docs	21 docs citations	21 times ranked	665 citing authors

#	Article	IF	Citations
1	Recent advances and trends in miniaturized sample preparation techniques. Journal of Separation Science, 2020, 43, 202-225.	2.5	121
2	New materials in sample preparation: Recent advances and future trends. TrAC - Trends in Analytical Chemistry, 2019, 119, 115633.	11.4	109
3	The role of grapheneâ€based sorbents in modern sample preparation techniques. Journal of Separation Science, 2018, 41, 288-302.	2.5	84
4	Miniaturized liquid chromatography focusing on analytical columns and mass spectrometry: A review. Analytica Chimica Acta, 2020, 1103, 11-31.	5.4	76
5	Current role of modern chromatography and mass spectrometry in the analysis of mycotoxins in food. TrAC - Trends in Analytical Chemistry, 2021, 135, 116156.	11.4	38
6	The Current Role of Graphene-Based Nanomaterials in the Sample Preparation Arena. Frontiers in Chemistry, 2020, 8, 664.	3.6	32
7	Miniaturization of liquid chromatography coupled to mass spectrometry.. TrAC - Trends in Analytical Chemistry, 2020, 128, 115910.	11.4	30
8	Miniaturization of liquid chromatography coupled to mass spectrometry. 3. Achievements on chip-based LCâ€“MS devices. TrAC - Trends in Analytical Chemistry, 2020, 131, 116003.	11.4	26
9	Current status and future trends on automated multidimensional separation techniques employing sorbentâ€based extraction columns. Journal of Separation Science, 2019, 42, 258-272.	2.5	24
10	Graphene particles supported on silica as sorbent for residue analysis of tetracyclines in milk employing microextraction by packed sorbent. Electrophoresis, 2018, 39, 2047-2055.	2.4	21
11	Online fully automated SPEâ€HPLCâ€MS/MS determination of ceftiofur in bovine milk samples employing a silicaâ€anchored ionic liquid as sorbent. Electrophoresis, 2018, 39, 2210-2217.	2.4	14
12	Multidimensional Liquid Chromatography Employing a Graphene Oxide Capillary Column as the First Dimension: Determination of Antidepressant and Antiepileptic Drugs in Urine. Molecules, 2020, 25, 1092.	3.8	14
13	Miniaturized liquid chromatography applied to the analysis of residues and contaminants in food: A review. Electrophoresis, 2020, 41, 1680-1693.	2.4	13
14	Evaluation of Two Fully Automated Setups for Mycotoxin Analysis Based on Online Extraction-Liquid Chromatographyâ€“Tandem Mass Spectrometry. Molecules, 2020, 25, 2756.	3.8	11
15	Evaluation of the tubing material and physical dimensions on the performance of extraction columns for on-line sample preparation-LCâ€“MS/MS. Journal of Chromatography A, 2019, 1597, 18-27.	3.7	9
16	The role of magnetic nanomaterials in miniaturized sample preparation techniques. , 2020, , 77-98.		8
17	Multidimensional capillary liquid chromatography-tandem mass spectrometry for the determination of multiclass pesticides in â€œsugarcane spiritsâ€•(cachaÃ§as). Analytical and Bioanalytical Chemistry, 2020, 412, 7789-7797.	3.7	8
18	Towards a universal automated and miniaturized sample preparation approach. Sustainable Chemistry and Pharmacy, 2021, 21, 100427.	3.3	7

#	Article	IF	Citations
19	A cartridge-based device for automated analyses of solid matrices by online sample prepâ€“capillary LC-MS/MS. Analytical and Bioanalytical Chemistry, 2022, 414, 2725-2737.	3.7	3
20	Microextraction columns for automated sample preparation. A review focusing on fully miniaturized column switching and bioanalytical applications. Advances in Sample Preparation, 2022, 3, 100031.	3.0	2
21	Neonicotinoids exposure assessment in Africanized honey bees (Apis mellifera L.) by using an environmentally-friendly sample preparation technique followed by UPLC-MS/MS. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2022, 57, 252-262.	1.5	1