Edmar Martendal

List of Publications by Year
in descending order

38 papers	1,305 citations	361413 20 h-index	345221 36 g-index
39 all docs	39 docs citations	39 times ranked	1502 citing authors

#	Article	IF	Citations
1	Hydrogen-atom and oxygen-atom transfer reactivities of iron(<scp>iv</scp>)-oxo complexes of quinoline-substituted pentadentate ligands. Dalton Transactions, 2022, 51, 870-884.	3.3	9
2	Multivariate analysis applied to oxidation of cyclohexane and benzyl alcohol promoted by mononuclear iron and copper complexes. New Journal of Chemistry, 2020, 44, 2514-2526.	2.8	13
3	One-pot multicomponent synthesis of 1,2,3,4-tetrasubstituted pyrroles catalyzed by [NMPH]CH3SO3. Tetrahedron Letters, 2019, 60, 151043.	1.4	10
4	Headspaceâ€solid phase microextraction and GCâ€MS followed by multivariate data analysis to study the effect of hop processing type and dry hopping time on the aromatic profile of topâ€fermented beers. Separation Science Plus, 2019, 2, 245-252.	0.6	5
5	Improvement of dispersive liquidâ€liquid microextraction robustness by performing consecutive extractions: Determination of polycyclic aromatic hydrocarbons in Brazilian sugar cane spirits by GCâ€MS. Separation Science Plus, 2018, 1, 564-573.	0.6	3
6	Screening of volatile compounds in honey using a new sampling strategy combining multiple extraction temperatures in a single assay by HS-SPMEâ€“GCâ€MS. Food Chemistry, 2014, 145, 1061-1065.	8.2	37
7	Screening the Formation of Silver Nanoparticles Using a New Reaction Kinetics Multivariate Analysis and Assessing Their Catalytic Activity in the Reduction of Nitroaromatic Compounds. Journal of Physical Chemistry C, 2014, 118, 12962-12971.	3.1	23
8	DESENVOLVIMENTO DE METODOLOGIA EM SISTEMA EM FLUXO PARA DETERMINAÃ‡ÃƒO DE CD USANDO ERVA MATE E CHÃ•PRETO COMO ADSORVENTE E ESPECTROMETRIA DE ABSORÃ‡ÃƒO ATÃ”MICA EM CHAMA. Ecletica Quimica, 2014, 39, 68.	0.5	0
9	Determination of volatile profile of citrus fruit by HS-SPME/GC-MS with oxidized NiTi fibers using two temperatures in the same extraction procedure. Microchemical Journal, 2013, 109, 128-133.	4.5	45
10	Desenvolvimento de um mÃ©todo analÃtico baseado em microextraÃ§Ã£o lÃquido-lÃquido para a determinaÃ§Ã£o de cromo (VI) em amostras aquosas com detecÃ§Ã£o por espectrometria de absorÃ§Ã£o atÃ´mica em chama. Quimica Nova, 2013, 36, 942-946.	0.3	1
11	Simultaneous determination of polycyclic aromatic hydrocarbons and benzene, toluene, ethylbenzene and xylene in water samples using a new sampling strategy combining different extraction modes and temperatures in a single extraction solid-phase microextraction-gas chromatographyâ€“mass spectrometry procedure. Journal of Chromatography A, 2012, 1233, 22-29.	3.7	71
12	Application of solidâ€phase microextraction and gas chromatographyâ€mass spectrometry for the determination of chlorophenols in leather. Journal of Separation Science, 2012, 35, 602-607.	2.5	12
13	Extraction and on-fiber derivatization of chlorophenols in leather by internally cooled solid phase microextraction. Journal of the Brazilian Chemical Society, 2012, 23, 2232-2236.	0.6	3
14	A new optimization strategy for gaseous phase sampling by an internally cooled solid-phase microextraction technique. Journal of Chromatography A, 2011, 1218, 367-372.	3.7	8
15	A new approach based on a combination of direct and headspace cold-fiber solid-phase microextraction modes in the same procedure for the determination of polycyclic aromatic hydrocarbons and phthalate esters in soil samples. Journal of Chromatography A, 2011, 1218, 1707-1714.	3.7	42
16	Determination of THMs in soft drink by solid-phase microextraction and gas chromatography. Food Chemistry, 2011, 127, 290-295.	8.2	22
17	Use of different sample temperatures in a single extraction procedure for the screening of the aroma profile of plant matrices by headspace solid-phase microextraction. Journal of Chromatography A, 2011, 1218, 3731-3736.	3.7	15
18	Determination of Trace Silver in Water Samples by Online Column Preconcentration Flame Atomic Absorption Spectrometry Using Termite Digestion Product. Journal of Automated Methods and Management in Chemistry, 2011, 2011, 1-7.	0.5	6

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19	New sorbents for extraction and microextraction techniques. Journal of Chromatography A, 2010, 1217, 2533-2542.	3.7	224
20	Determination of cadmium in alcohol fuel using Moringa oleifera seeds as a biosorbent in an on-line system coupled to FAAS. Talanta, 2010, 80, 1133-1138.	5.5	67
21	Application of an NiTi alloy coated with ZrO2 solid-phase microextraction fiber for determination of haloanisoles in red wine samples. Mikrochimica Acta, 2009, 164, 197-202.	5.0	20
22	Speciation of Cr(III) and Cr(VI) in environmental samples determined by selective separation and preconcentration on silica gel chemically modified with niobium(V) oxide. Journal of Hazardous Materials, 2009, 161, 450-456.	12.4	53
23	Development of a flow system for the determination of cadmium in fuel alcohol using vermicompost as biosorbent and flame atomic absorption spectrometry. Talanta, 2009, 78, 333-336.	5.5	68
24	Determination of Phthalates and Adipate in Physiological Saline Solutions by Solid-Phase Microextraction and Gas Chromatography. Analytical Sciences, 2009, 25, 865-868.	1.6	7
25	Application of poly(dimethylsiloxane) fiber solâ€“gel coated onto NiTi alloy electrodeposited with zirconium oxide for the determination of organochlorine pesticides in herbal infusions. Journal of Separation Science, 2008, 31, 2875-2881.	2.5	14
26	Use of 8-hydroxyquinoline-chitosan chelating resin in an automated on-line preconcentration system for determination of zinc(II) by F AAS. Journal of Hazardous Materials, 2008, 157, 88-93.	12.4	47
27	A combination of statistical and analytical evaluation methods as a new optimization strategy for the quantification of pharmaceutical residues in sewage effluent. Analytica Chimica Acta, 2008, 613, 169-176.	5.4	22
28	Application of robust NiTiâ€“ZrO2â€“PEG SPME fiber in the determination of haloanisoles in cork stopper samples. Analytica Chimica Acta, 2008, 629, 92-97.	5.4	26
29	Preparation and characterization of new solid-phase microextraction fibers obtained by solâ€“gel technology and zirconium oxide electrodeposited on NiTi alloy. Journal of Chromatography A, 2008, 1187, 34-39.	3.7	61
30	New poly(ethylene glycol) solid-phase microextraction fiber employing zirconium oxide electrolytically deposited onto a NiTi alloy as substrate for solâ€“gel reactions. Journal of Chromatography A, 2008, 1198-1199, 54-58.	3.7	44
31	Application of Factorial Design and Doehlert Matrix for Determination of Trace Lead in Environmental Samples by On-line Column Preconcentration FAAS Using Silica Gel Chemically Modified with Niobium(V) Oxide. Analytical Sciences, 2008, 24, 365-370.	1.6	7
32	OtimizaÃ§Ã£o multivariada e aplicaÃ§Ã£o do sorvente SiO2-Nb2O5 para determinaÃ§Ã£o em linha de Ni(II) em matriz aquosa. Ecletica Quimica, 2008, 33, 25-32.	0.5	4
33	Application of fractional factorial experimental and Box-Behnken designs for optimization of single-drop microextraction of 2,4,6-trichloroanisole and 2,4,6-tribromoanisole from wine samples. Journal of Chromatography A, 2007, 1148, 131-136.	3.7	120
34	Preparation and application of NiTi alloy coated with ZrO2 as a new fiber for solid-phase microextraction. Journal of Chromatography A, 2007, 1164, 18-24.	3.7	71
35	Application of NiTi alloy coated with ZrO2 as a new fiber for solid-phase microextraction for determination of halophenols in water samples. Analytica Chimica Acta, 2007, 598, 254-260.	5.4	61
36	Cloud point extraction for the determination of lead and cadmium in urine by graphite furnace atomic absorption spectrometry with multivariate optimization using Boxâ€“Behnken design. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2007, 62, 1019-1027.	2.9	51

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37	Determination of haloanisoles in paper samples for food packaging by solid-phase microextraction and gas chromatography. Mikrochimica Acta, 2007, 159, 229-234.	5.0	11
38	A Simple and Effective Liquid-Liquid-Liquid Microextraction Method with Ultraviolet Spectrophotometric Detection for the Determination of Bisphenol A in Aqueous Matrices and Plastic Leachates. Journal of the Brazilian Chemical Society, 0, , .	0.6	2