

# Edmar Martendal

## List of Publications by Year in descending order

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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	New sorbents for extraction and microextraction techniques. <i>Journal of Chromatography A</i> , 2010, 1217, 2533-2542.	3.7	224
2	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. <i>Journal of Chromatography A</i> , 2007, 1148, 131-136.	3.7	120
3	Preparation and application of NiTi alloy coated with ZrO <sub>2</sub> as a new fiber for solid-phase microextraction. <i>Journal of Chromatography A</i> , 2007, 1164, 18-24.	3.7	71
4	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 chromatography-mass spectrometry procedure. <i>Journal of Chromatography A</i> , 2012, 1233, 22-29.	3.7	71
5	Development of a flow system for the determination of cadmium in fuel alcohol using vermicompost as biosorbent and flame atomic absorption spectrometry. <i>Talanta</i> , 2009, 78, 333-336.	5.5	68
6	Determination of cadmium in alcohol fuel using <i>Moringa oleifera</i> seeds as a biosorbent in an on-line system coupled to FAAS. <i>Talanta</i> , 2010, 80, 1133-1138.	5.5	67
7	Application of NiTi alloy coated with ZrO <sub>2</sub> as a new fiber for solid-phase microextraction for determination of halophenols in water samples. <i>Analytica Chimica Acta</i> , 2007, 598, 254-260.	5.4	61
8	Preparation and characterization of new solid-phase microextraction fibers obtained by sol-gel technology and zirconium oxide electrodeposited on NiTi alloy. <i>Journal of Chromatography A</i> , 2008, 1187, 34-39.	3.7	61
9	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. <i>Journal of Hazardous Materials</i> , 2009, 161, 450-456.	12.4	53
10	Cloud point extraction for the determination of lead and cadmium in urine by graphite furnace atomic absorption spectrometry with multivariate optimization using Box-Behnken design. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2007, 62, 1019-1027.	2.9	51
11	Use of 8-hydroxyquinoline-chitosan chelating resin in an automated on-line preconcentration system for determination of zinc(II) by FAAS. <i>Journal of Hazardous Materials</i> , 2008, 157, 88-93.	12.4	47
12	Determination of volatile profile of citrus fruit by HS-SPME/GC-MS with oxidized NiTi fibers using two temperatures in the same extraction procedure. <i>Microchemical Journal</i> , 2013, 109, 128-133.	4.5	45
13	New poly(ethylene glycol) solid-phase microextraction fiber employing zirconium oxide electrolytically deposited onto a NiTi alloy as substrate for sol-gel reactions. <i>Journal of Chromatography A</i> , 2008, 1198-1199, 54-58.	3.7	44
14	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. <i>Journal of Chromatography A</i> , 2011, 1218, 1707-1714.	3.7	42
15	Screening of volatile compounds in honey using a new sampling strategy combining multiple extraction temperatures in a single assay by HS-SPME-GC-MS. <i>Food Chemistry</i> , 2014, 145, 1061-1065.	8.2	37
16	Application of robust NiTi-ZrO <sub>2</sub> -PEG SPME fiber in the determination of haloanisoles in cork stopper samples. <i>Analytica Chimica Acta</i> , 2008, 629, 92-97.	5.4	26
17	Screening the Formation of Silver Nanoparticles Using a New Reaction Kinetics Multivariate Analysis and Assessing Their Catalytic Activity in the Reduction of Nitroaromatic Compounds. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12962-12971.	3.1	23
18	A combination of statistical and analytical evaluation methods as a new optimization strategy for the quantification of pharmaceutical residues in sewage effluent. <i>Analytica Chimica Acta</i> , 2008, 613, 169-176.	5.4	22

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19	Determination of THMs in soft drink by solid-phase microextraction and gas chromatography. <i>Food Chemistry</i> , 2011, 127, 290-295.	8.2	22
20	Application of an NiTi alloy coated with ZrO <sub>2</sub> solid-phase microextraction fiber for determination of haloanisoles in red wine samples. <i>Mikrochimica Acta</i> , 2009, 164, 197-202.	5.0	20
21	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. <i>Journal of Chromatography A</i> , 2011, 1218, 3731-3736.	3.7	15
22	Application of poly(dimethylsiloxane) fiber sol-gel coated onto NiTi alloy electrodeposited with zirconium oxide for the determination of organochlorine pesticides in herbal infusions. <i>Journal of Separation Science</i> , 2008, 31, 2875-2881.	2.5	14
23	Multivariate analysis applied to oxidation of cyclohexane and benzyl alcohol promoted by mononuclear iron and copper complexes. <i>New Journal of Chemistry</i> , 2020, 44, 2514-2526.	2.8	13
24	Application of solid-phase microextraction and gas chromatography-mass spectrometry for the determination of chlorophenols in leather. <i>Journal of Separation Science</i> , 2012, 35, 602-607.	2.5	12
25	Determination of haloanisoles in paper samples for food packaging by solid-phase microextraction and gas chromatography. <i>Mikrochimica Acta</i> , 2007, 159, 229-234.	5.0	11
26	One-pot multicomponent synthesis of 1,2,3,4-tetrasubstituted pyrroles catalyzed by [NMPH]CH <sub>3</sub> SO <sub>3</sub> . <i>Tetrahedron Letters</i> , 2019, 60, 151043.	1.4	10
27	Hydrogen-atom and oxygen-atom transfer reactivities of iron(IV)-oxo complexes of quinoline-substituted pentadentate ligands. <i>Dalton Transactions</i> , 2022, 51, 870-884.	3.3	9
28	A new optimization strategy for gaseous phase sampling by an internally cooled solid-phase microextraction technique. <i>Journal of Chromatography A</i> , 2011, 1218, 367-372.	3.7	8
29	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. <i>Analytical Sciences</i> , 2008, 24, 365-370.	1.6	7
30	Determination of Phthalates and Adipate in Physiological Saline Solutions by Solid-Phase Microextraction and Gas Chromatography. <i>Analytical Sciences</i> , 2009, 25, 865-868.	1.6	7
31	Determination of Trace Silver in Water Samples by Online Column Preconcentration Flame Atomic Absorption Spectrometry Using Termite Digestion Product. <i>Journal of Automated Methods and Management in Chemistry</i> , 2011, 2011, 1-7.	0.5	6
32	Headspace-solid phase microextraction and GC-MS followed by multivariate data analysis to study the effect of hop processing type and dry hopping time on the aromatic profile of top-fermented beers. <i>Separation Science Plus</i> , 2019, 2, 245-252.	0.6	5
33	Otimização multivariada e aplicação do sorvente SiO <sub>2</sub> -Nb <sub>2</sub> O <sub>5</sub> para determinação em linha de Ni(II) em matriz aquosa. <i>Eletica Quimica</i> , 2008, 33, 25-32.	0.5	4
34	Improvement of dispersive liquid-liquid microextraction robustness by performing consecutive extractions: Determination of polycyclic aromatic hydrocarbons in Brazilian sugar cane spirits by GC-MS. <i>Separation Science Plus</i> , 2018, 1, 564-573.	0.6	3
35	Extraction and on-fiber derivatization of chlorophenols in leather by internally cooled solid phase microextraction. <i>Journal of the Brazilian Chemical Society</i> , 2012, 23, 2232-2236.	0.6	3
36	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. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	2

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37	Desenvolvimento de um método analítico baseado em microextração líquido-líquido para a determinação de cromo (VI) em amostras aquosas com detecção por espectrometria de absorção atômica em chama. <i>Quimica Nova</i> , 2013, 36, 942-946.	0.3	1
38	DESENVOLVIMENTO DE METODOLOGIA EM SISTEMA EM FLUXO PARA DETERMINAÇÃO DE CD USANDO ERVA MATE E CHÃO-PRETO COMO ADSORVENTE E ESPECTROMETRIA DE ABSORÇÃO ATÔMICA EM CHAMA. <i>Ecletica Química</i> , 2014, 39, 68.	0.5	0