

Álvaro JosÃ© Santos-Neto

List of Publications by Year in descending order

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61
papers

1,341
citations

257450

24
h-index

395702

33
g-index

62
all docs

62
docs citations

62
times ranked

1573
citing authors

#	ARTICLE	IF	CITATIONS
1	A new restricted access molecularly imprinted polymer capped with albumin for direct extraction of drugs from biological matrices: the case of chlorpromazine in human plasma. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 7687-7696.	3.7	68
2	Analysis of tricyclic antidepressant drugs in plasma by means of solid-phase microextraction-liquid chromatography-mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2007, 42, 1342-1347.	1.6	56
3	Metal-organic framework mixed-matrix coatings on 3D printed devices. <i>Applied Materials Today</i> , 2019, 16, 21-27.	4.3	54
4	Solid-phase microextraction-liquid chromatography (SPME-LC) determination of fluoxetine and norfluoxetine in plasma using a heated liquid flow through interface. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 847, 217-223.	2.3	51
5	Analysis of fluoxetine and norfluoxetine in human plasma by liquid-phase microextraction and injection port derivatization GC-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 73, 53-58.	2.8	45
6	Influence of organic loading rate on ciprofloxacin and sulfamethoxazole biodegradation in anaerobic fixed bed biofilm reactors. <i>Journal of Environmental Management</i> , 2020, 273, 111170.	7.8	43
7	Evaluation of sulfamethazine sorption and biodegradation by anaerobic granular sludge using batch experiments. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 115-124.	3.4	41
8	Sex Differences in Colon Cancer Metabolism Reveal A Novel Subphenotype. <i>Scientific Reports</i> , 2020, 10, 4905.	3.3	41
9	Optimization of the SPME Parameters and Its Online Coupling with HPLC for the Analysis of Tricyclic Antidepressants in Plasma Samples. <i>Journal of Chromatographic Science</i> , 2006, 44, 340-346.	1.4	40
10	Simultaneous analysis of five antidepressant drugs using direct injection of biofluids in a capillary restricted-access media-liquid chromatography-tandem mass spectrometry system. <i>Journal of Chromatography A</i> , 2008, 1189, 514-522.	3.7	40
11	Automated microcolumn-switching system for drug analysis by direct injection of human plasma. <i>Journal of Chromatography A</i> , 2006, 1105, 71-76.	3.7	38
12	Automated dispersive liquid-liquid microextraction based on the solidification of the organic phase. <i>Talanta</i> , 2018, 189, 241-248.	5.5	38
13	Automated microextraction by packed sorbent of cannabinoids from human urine using a lab-made device packed with molecularly imprinted polymer. <i>Talanta</i> , 2020, 219, 121185.	5.5	35
14	Automated online coupling of robot-assisted single drop microextraction and liquid chromatography. <i>Journal of Chromatography A</i> , 2019, 1595, 66-72.	3.7	34
15	Capillary Column Switching Restricted-Access Media-Liquid Chromatography-Electrospray Ionization-Tandem Mass Spectrometry System for Simultaneous and Direct Analysis of Drugs in Biofluids. <i>Analytical Chemistry</i> , 2007, 79, 6359-6367.	6.5	32
16	Development of a new stir bar sorptive extraction coating and its application for the determination of six pesticides in sugarcane juice. <i>Journal of Separation Science</i> , 2011, 34, 1317-1325.	2.5	32
17	Determination of steroids, caffeine and methylparaben in water using solid phase microextraction-comprehensive two dimensional gas chromatography-time of flight mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1299, 126-130.	3.7	32
18	Feasibility of anaerobic packed and structured-bed reactors for sulfamethoxazole and ciprofloxacin removal from domestic sewage. <i>Science of the Total Environment</i> , 2019, 678, 419-429.	8.0	32

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19	Microextraction by packed sorbent liquid chromatography with time-of-flight mass spectrometry of triazines employing a molecularly imprinted polymer. <i>Journal of Separation Science</i> , 2014, 37, 3150-3156.	2.5	31
20	Rapid determination of 12 antibiotics and caffeine in sewage and bioreactor effluent by online column-switching liquid chromatography/tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8787-8801.	3.7	30
21	Normalizing Untargeted Periconceptual Urinary Metabolomics Data: A Comparison of Approaches. <i>Metabolites</i> , 2019, 9, 198.	2.9	30
22	Development of on-line molecularly imprinted solid phase extraction-liquid chromatography-mass spectrometry for triazine analysis in corn samples. <i>Analytical Methods</i> , 2016, 8, 1181-1186.	2.7	28
23	Optimization of <i>in situ</i> derivatization SPME by experimental design for GC-MS multi-residue analysis of pharmaceutical drugs in wastewater. <i>Journal of Separation Science</i> , 2011, 34, 436-445.	2.5	27
24	Sample treatment platform for automated integration of microextraction techniques and liquid chromatography analysis. <i>HardwareX</i> , 2019, 5, e00056.	2.2	26
25	Restricted access molecularly imprinted polymers obtained by bovine serum albumin and/or hydrophilic monomers' external layers: a comparison related to physical and chemical properties. <i>Analyst</i> , 2015, 140, 7768-7775.	3.5	25
26	Fluoxetine and norfluoxetine analysis by direct injection of human plasma in a column switching liquid chromatographic system. <i>Journal of Separation Science</i> , 2008, 31, 78-85.	2.5	24
27	Removal of the veterinary antimicrobial sulfamethazine in a horizontal-flow anaerobic immobilized biomass (HAIB) reactor subjected to step changes in the applied organic loading rate. <i>Journal of Environmental Management</i> , 2017, 204, 674-683.	7.8	24
28	Detection of anti-cancer drugs and metabolites in the effluents from a large Brazilian cancer hospital and an evaluation of ecotoxicology. <i>Environmental Pollution</i> , 2021, 268, 115857.	7.5	20
29	Simultaneous degradation of hexazinone and diuron using ZrO ₂ -nanostructured gas diffusion electrode. <i>Chemical Engineering Journal</i> , 2018, 351, 650-659.	12.7	19
30	Robotic-assisted dynamic large drop microextraction. <i>Journal of Chromatography A</i> , 2019, 1608, 460416.	3.7	19
31	Removal kinetics of sulfamethazine and its transformation products formed during treatment using a horizontal flow-anaerobic immobilized biomass bioreactor. <i>Journal of Hazardous Materials</i> , 2019, 365, 34-43.	12.4	19
32	Hybrid constructed wetlands as post-treatment of blackwater: An assessment of the removal of antibiotics. <i>Journal of Environmental Management</i> , 2021, 278, 111552.	7.8	19
33	Rapid HPLC-DAD Determination of Furosemide in Tablets Using a Short Home-Made Column. <i>Analytical Letters</i> , 2005, 38, 1651-1658.	1.8	18
34	Development of an improved heated interface for coupling solid-phase microextraction to high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2006, 1105, 208-212.	3.7	18
35	Sulfamethoxazole and ciprofloxacin removal using a horizontal-flow anaerobic immobilized biomass reactor. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 847-853.	2.2	18
36	Determination of ring-substituted amphetamines through automated online hollow fiber liquid-phase microextraction-liquid chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7889-7897.	3.7	17

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37	Determination of pesticides in sugarcane juice employing microextraction by packed sorbent followed by gas chromatography and mass spectrometry. <i>Journal of Separation Science</i> , 2016, 39, 2823-2830.	2.5	16
38	Hyperporous carbon-coated 3D printed devices. <i>Applied Materials Today</i> , 2019, 14, 29-34.	4.3	16
39	Tumor Tissue-Specific Biomarkers of Colorectal Cancer by Anatomic Location and Stage. <i>Metabolites</i> , 2020, 10, 257.	2.9	16
40	Leaf-Cutter Ant Fungus Gardens Are Biphasic Mixed Microbial Bioreactors That Convert Plant Biomass to Polyols with Biotechnological Applications. <i>Applied and Environmental Microbiology</i> , 2015, 81, 4525-4535.	3.1	14
41	Análise de praguicidas organofosforados em Água por extração em fase sólida (SPE) utilizando discos C18 e cromatografia em fase gasosa: avaliação da contaminação do reservatório de Furnas (MG-Brasil). <i>Quimica Nova</i> , 2005, 28, 747-750.	0.3	12
42	Development and optimization of a fast method for the determination of statins in human plasma using microextraction by packed sorbent (MEPS) followed by ultra high-performance liquid chromatography-tandem mass spectrometry (UHPLC-MS/MS). <i>Analytical Methods</i> , 2017, 9, 3039-3048.	2.7	11
43	Identification of Dose-Dependent DNA Damage and Repair Responses From Subchronic Exposure to 1,4-Dioxane in Mice Using a Systems Analysis Approach. <i>Toxicological Sciences</i> , 2021, 183, 338-351.	3.1	10
44	Identification of Anionic and Nonionic Surfactant and Recalcitrants Compounds in Commercial Laundry Wastewater by GC-MS Analysis After Anaerobic Fluidized Bed Reactor Treatment. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	2.4	9
45	On-line solid-phase extraction of pharmaceutical compounds from wastewater treatment plant samples using restricted access media in column-switching liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2021, 1180, 122896.	2.3	9
46	Packed in-tube SPME-LC-MS/MS for fast and straightforward analysis of cannabinoids and metabolites in human urine. <i>Electrophoresis</i> , 2022, 43, 1555-1566.	2.4	9
47	The uremic toxin methylguanidine increases the oxidative metabolism and accelerates the apoptosis of canine neutrophils. <i>Veterinary Immunology and Immunopathology</i> , 2017, 185, 14-19.	1.2	8
48	Liquid-phase microextraction for simultaneous chromatographic analysis of three antidepressant drugs in plasma. <i>Quimica Nova</i> , 2012, 35, 72-76.	0.3	7
49	Free p-Cresol Alters Neutrophil Function in Dogs. <i>Artificial Organs</i> , 2016, 40, 480-488.	1.9	7
50	Two-phase (acidogenic-methanogenic) anaerobic fixed bed biofilm reactor enhances the biological domestic sewage treatment: Perspectives for recovering bioenergy and value-added by-products. <i>Journal of Environmental Management</i> , 2022, 317, 115388.	7.8	7
51	Determination of anticonvulsants in human plasma using SPME in a heated interface coupled online to liquid chromatography (SPME-LC). <i>Analytical Methods</i> , 2012, 4, 1519.	2.7	5
52	Determination of parabens in wastewater samples via robot-assisted dynamic single-drop microextraction and liquid chromatography-tandem mass spectrometry. <i>Electrophoresis</i> , 2022, 43, 1567-1576.	2.4	5
53	SPME determination of low concentration levels of monoaromatic chemical markers in soils after remediation by supercritical fluid extraction. <i>Analytical Methods</i> , 2015, 7, 4901-4907.	2.7	4
54	Evaluation of sulfamethazine removal kinetics using fixed structured bed bioreactor. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 979-987.	2.2	4

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55	New biotransformation pathways from sulfamethoxazole and ciprofloxacin removal in sewage treatment along the spatial profile of an anaerobic fixed bed bioreactor. <i>Bioresource Technology Reports</i> , 2022, 17, 100944.	2.7	4
56	Protetores de analitos e efeito de matriz em GC. <i>Scientia Chromatographica</i> , 2012, 4, 58-71.	0.2	2
57	Microextraction columns for automated sample preparation. A review focusing on fully miniaturized column switching and bioanalytical applications. <i>Advances in Sample Preparation</i> , 2022, 3, 100031.	3.0	2
58	Influência dos parâmetros instrumentais sobre o desempenho de coluna de HPLC com partículas superficialmente porosas sub-3µm. <i>Scientia Chromatographica</i> , 2011, 3, 157-172.	0.2	0
59	A importância do volume do misturador de solventes em HPLC gradiente. <i>Scientia Chromatographica</i> , 2011, 3, 327-338.	0.2	0
60	Como obter maior eficiência com partículas superficialmente porosas em HPLC. <i>Scientia Chromatographica</i> , 2011, 3, 65-87.	0.2	0
61	Análise de albendazol e metabólitos por RAM-cLC-MS/MS usando pré-concentração online direta de fluidos biológicos. <i>Scientia Chromatographica</i> , 2016, 8, 49-61.	0.2	0