

Dajana Vuckovic

List of Publications by Year in descending order

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57

papers

4,137

citations

186265

28

h-index

175258

52

g-index

66

all docs

66

docs citations

66

times ranked

4798

citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolism of anti-inflammatory OXE (oxoeicosanoid) receptor antagonists by nonhuman primates. European Journal of Pharmaceutical Sciences, 2022, 172, 106144.	4.0	1
2	Assessment of solid phase microextraction as a sample preparation tool for untargeted analysis of brain tissue using liquid chromatography-mass spectrometry. Journal of Chromatography A, 2021, 1638, 461862.	3.7	18
3	Production of aroma and flavor-rich fusel alcohols by cheese whey fermentation using the Kluyveromyces marxianus and Debaryomyces hansenii yeasts in monoculture and co-culture modes. Journal of Chemical Technology and Biotechnology, 2021, 96, 2354.	3.2	10
4	Inâ€¦Vivo Solidâ€¦Phase Microextraction for Sampling of Oxylipins in Brain of Awake, Moving Rats. Angewandte Chemie, 2020, 132, 2413-2419.	2.0	2
5	Inâ€¦Vivo Solidâ€¦Phase Microextraction for Sampling of Oxylipins in Brain of Awake, Moving Rats. Angewandte Chemie - International Edition, 2020, 59, 2392-2398.	13.8	56
6	Sample preparation in global metabolomics of biological fluids and tissues. , 2020, , 53-83.		5
7	Novel highly potent OXE receptor antagonists with prolonged plasma lifetimes that are converted to active metabolites in vivo in monkeys. British Journal of Pharmacology, 2020, 177, 388-401.	5.4	10
8	Dissemination and analysis of the quality assurance (QA) and quality control (QC) practices of LCâ€¦MS based untargeted metabolomics practitioners. Metabolomics, 2020, 16, 113.	3.0	56
9	Comparison of N-ethyl maleimide and N-(1-phenylethyl) maleimide for derivatization of biological thiols using liquid chromatography-mass spectrometry. Analytical and Bioanalytical Chemistry, 2020, 412, 1639-1652.	3.7	19
10	Characterization of Phase I and Glucuronide Phase II Metabolites of 17 Mycotoxins Using Liquid Chromatographyâ€¦High-Resolution Mass Spectrometry. Toxins, 2019, 11, 433.	3.4	17
11	Comparison of underivatized silica and zwitterionic sulfobetaine hydrophilic interaction liquid chromatography stationary phases for global metabolomics of human plasma. Journal of Chromatography A, 2019, 1608, 460419.	3.7	15
12	Metabolism and pharmacokinetics of a potent N-acylindole antagonist of the OXE receptor for the eosinophil chemoattractant 5-oxo-6,8,11,14-eicosatetraenoic acid (5-oxo-EETE) in rats and monkeys. European Journal of Pharmaceutical Sciences, 2018, 115, 88-99.	4.0	6
13	Liquid chromatography â€¦ high resolution mass spectrometry method for monitoring of 17 mycotoxins in human plasma for exposure studies. Journal of Chromatography A, 2018, 1548, 51-63.	3.7	56
14	Bioanalytical techniques in lipidomics. Bioanalysis, 2018, 10, 273-274.	1.5	0
15	Improving negative liquid chromatography/electrospray ionization mass spectrometry lipidomic analysis of human plasma using acetic acid as a mobileâ€¦phase additive. Rapid Communications in Mass Spectrometry, 2018, 32, 201-211.	1.5	33
16	Improving metabolome coverage and data quality: advancing metabolomics and lipidomics for biomarker discovery. Chemical Communications, 2018, 54, 6728-6749.	4.1	38
17	Novel Highly Potent and Metabolically Resistant Oxoeicosanoid (OXE) Receptor Antagonists That Block the Actions of the Granulocyte Chemoattractant 5-Oxo-6,8,11,14-Eicosatetraenoic Acid (5-oxo-EETE). Journal of Medicinal Chemistry, 2018, 61, 5934-5948.	6.4	7
18	Solid-Phase Microextraction in Binding Studies. , 2017, , 287-308.		0

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19	Harmonizing lipidomics: NIST interlaboratory comparison exercise for lipidomics using SRM 1950“Metabolites in Frozen Human Plasma. Journal of Lipid Research, 2017, 58, 2275-2288.	4.2	312
20	In vivo ω -hydroxylation of a 2-alkylindole antagonist of the OXE receptor for the eosinophil chemoattractant 5-oxo-6,8,11,14-eicosatetraenoic acid in monkeys. Biochemical Pharmacology, 2017, 138, 107-118.	4.4	8
21	Systematic Assessment of Seven Solvent and Solid-Phase Extraction Methods for Metabolomics Analysis of Human Plasma by LC-MS. Scientific Reports, 2016, 6, 38885.	3.3	95
22	Pharmacokinetics and Metabolism of Selective Oxoeicosanoid (OXE) Receptor Antagonists and Their Effects on 5-Oxo-6,8,11,14-eicosatetraenoic Acid (5-Oxo-ETE)-Induced Granulocyte Activation in Monkeys. Journal of Medicinal Chemistry, 2016, 59, 10127-10146.	6.4	14
23	Systems analysis reveals down-regulation of a network of pro-survival miRNAs drives the apoptotic response in dilated cardiomyopathy. Molecular BioSystems, 2015, 11, 239-251.	2.9	23
24	Sample Preparation in Global Metabolomics of Biological Fluids&Tissues. , 2013, , 51-75.		9
25	Membrane proteomics by high performance liquid chromatography“tandem mass spectrometry: Analytical approaches and challenges. Proteomics, 2013, 13, 404-423.	2.2	87
26	High-throughput solid-phase microextraction in multi-well-plate format. TrAC - Trends in Analytical Chemistry, 2013, 45, 136-153.	11.4	55
27	Therapeutic Monitoring of Tranexamic Acid Concentration: High-Throughput Analysis With Solid-Phase Microextraction. Therapeutic Drug Monitoring, 2012, 34, 31-37.	2.0	28
28	Solid-Phase Microextraction. , 2012, , 419-460.		8
29	Solid-Phase Microextraction Method Development. , 2012, , 201-249.		14
30	In Vivo Sampling with Solid-Phase Microextraction. , 2012, , 399-453.		4
31	Solid-Phase Microextraction Protocols. , 2012, , 455-478.		3
32	Target Identification by Chromatographic Co-elution: Monitoring of Drug-Protein Interactions without Immobilization or Chemical Derivatization. Molecular and Cellular Proteomics, 2012, 11, M111.016642-1-M111.016642-14.	3.8	43
33	Semi-automated in vivo solid-phase microextraction sampling and the diffusion-based interface calibration model to determine the pharmacokinetics of methoxyfenoterol and fenoterol in rats. Analytica Chimica Acta, 2012, 742, 37-44.	5.4	19
34	SPME “ Quo vadis?. Analytica Chimica Acta, 2012, 750, 132-151.	5.4	163
35	Amino Acid Starvation Induced by Invasive Bacterial Pathogens Triggers an Innate Host Defense Program. Cell Host and Microbe, 2012, 11, 563-575.	11.0	331
36	Automated SPME Systems. , 2012, , 135-165.		3

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37	Current trends and challenges in sample preparation for global metabolomics using liquid chromatography–mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1523-1548.	3.7	398
38	Comparison of solid phase microextraction versus spectroscopic techniques for binding studies of carbamazepine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 66, 91-99.	2.8	16
39	Nondestructive Sampling of Living Systems Using <i>in Vivo</i> Solid-Phase Microextraction. <i>Chemical Reviews</i> , 2011, 111, 2784-2814.	47.7	399
40	In vivo solid-phase microextraction sampling: a promising future. <i>Bioanalysis</i> , 2011, 3, 1305-1308.	1.5	10
41	Systematic Evaluation of Solid-Phase Microextraction Coatings for Untargeted Metabolomic Profiling of Biological Fluids by Liquid Chromatography–Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 1944-1954.	6.5	146
42	Determination of tranexamic acid concentration by solid phase microextraction and liquid chromatography–tandem mass spectrometry: First step to in vivo analysis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 3781-3787.	2.3	40
43	In vivo solid-phase microextraction for monitoring intravenous concentrations of drugs and metabolites. <i>Nature Protocols</i> , 2011, 6, 896-924.	12.0	68
44	In vivo solid-phase microextraction for single rodent pharmacokinetics studies of carbamazepine and carbamazepine-10,11-epoxide in mice. <i>Journal of Chromatography A</i> , 2011, 1218, 3367-3375.	3.7	72
45	In Vivo Solid-Phase Microextraction: Capturing the Elusive Portion of Metabolome. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5344-5348.	13.8	128
46	In Vivo Solid-Phase Microextraction in Metabolomics: Opportunities for the Direct Investigation of Biological Systems. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5618-5628.	13.8	126
47	Comparison and validation of calibration methods for in vivo SPME determinations using an artificial vein system. <i>Analytica Chimica Acta</i> , 2010, 665, 160-166.	5.4	28
48	Solid-phase microextraction in bioanalysis: New devices and directions. <i>Journal of Chromatography A</i> , 2010, 1217, 4041-4060.	3.7	182
49	Automated solid-phase microextraction and thin-film microextraction for high-throughput analysis of biological fluids and ligand–receptor binding studies. <i>Nature Protocols</i> , 2010, 5, 140-161.	12.0	91
50	Recent developments in solid-phase microextraction. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 781-795.	3.7	339
51	Automated study of ligand–receptor binding using solid-phase microextraction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2009, 50, 550-555.	2.8	37
52	Direct monitoring of ochratoxin A in cheese with solid-phase microextraction coupled to liquid chromatography–tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2009, 1216, 7505-7509.	3.7	51
53	In vitro evaluation of new biocompatible coatings for solid-phase microextraction: Implications for drug analysis and in vivo sampling applications. <i>Analytica Chimica Acta</i> , 2009, 638, 175-185.	5.4	93
54	Investigation of the Effect of the Extraction Phase Geometry on the Performance of Automated Solid-Phase Microextraction. <i>Analytical Chemistry</i> , 2009, 81, 4226-4232.	6.5	87

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55	Automated high-throughput method using solid-phase microextractionâ€“liquid chromatographyâ€“tandem mass spectrometry for the determination of ochratoxin A in human urine. Journal of Chromatography A, 2008, 1201, 215-221.	3.7	83
56	Automation of Solid-Phase Microextraction in High-Throughput Format and Applications to Drug Analysis. Analytical Chemistry, 2008, 80, 6870-6880.	6.5	121
57	Imaging TOF-SIMS analysis of oligonucleotide microarrays. Analyst, The, 2003, 128, 126-129.	3.5	15