# Dajana Vuckovic

List of Publications by Year
in descending order

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|---|---|---|---|
| 57<br>papers | 4,137<br>citations | 185998<br>28<br>h-index | 174990<br>52<br>g-index |
| 66<br>all docs | 66<br>docs citations | 66<br>times ranked | 4798<br>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. | 1.9 | 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. | 1.8 | 18 |
| 3 | Production of aroma and flavorâ€rich fusel alcohols by cheese whey fermentation using the Kluyveromyces marxianus and Debaryomyces hansenii yeasts in monoculture and coâ€culture modes. Journal of Chemical Technology and Biotechnology, 2021, 96, 2354. | 1.6 | 10 |
| 4 | Inâ€...Vivo Solidâ€Phase Microextraction for Sampling of Oxylipins in Brain of Awake, Moving Rats. Angewandte Chemie, 2020, 132, 2413-2419. | 1.6 | 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. | 7.2 | 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. | 2.7 | 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. | 1.4 | 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. | 1.9 | 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. | 1.5 | 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. | 1.8 | 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-ETE) in rats and monkeys. European Journal of Pharmaceutical Sciences, 2018, 115, 88-99. | 1.9 | 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. | 1.8 | 56 |
| 14 | Bioanalytical techniques in lipidomics. Bioanalysis, 2018, 10, 273-274. | 0.6 | 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. | 0.7 | 33 |
| 16 | Improving metabolome coverage and data quality: advancing metabolomics and lipidomics for biomarker discovery. Chemical Communications, 2018, 54, 6728-6749. | 2.2 | 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-ETE). Journal of Medicinal Chemistry, 2018, 61, 5934-5948. | 2.9 | 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 1950â€“Metabolites in Frozen Human Plasma. Journal of Lipid Research, 2017, 58, 2275-2288. | 2.0 | 312 |
| 20 | In vivo Î±-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. | 2.0 | 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. | 1.6 | 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. | 2.9 | 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 FluidsÂandÂTissues. , 2013, , 51-75. | | 9 |
| 25 | Membrane proteomics by high performance liquid chromatographyâ€“tandem mass spectrometry: Analytical approaches and challenges. Proteomics, 2013, 13, 404-423. | 1.3 | 87 |
| 26 | High-throughput solid-phase microextraction in multi-well-plate format. TrAC - Trends in Analytical Chemistry, 2013, 45, 136-153. | 5.8 | 55 |
| 27 | Therapeutic Monitoring of Tranexamic Acid Concentration: High-Throughput Analysis With Solid-Phase Microextraction. Therapeutic Drug Monitoring, 2012, 34, 31-37. | 1.0 | 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. | 2.5 | 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. | 2.6 | 19 |
| 34 | SPME â€“ Quo vadis?. Analytica Chimica Acta, 2012, 750, 132-151. | 2.6 | 163 |
| 35 | Amino Acid Starvation Induced by Invasive Bacterial Pathogens Triggers an Innate Host Defense Program. Cell Host and Microbe, 2012, 11, 563-575. | 5.1 | 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 chromatographyâ€“mass spectrometry. Analytical and Bioanalytical Chemistry, 2012, 403, 1523-1548. | 1.9 | 398 |
| 38 | Comparison of solid phase microextraction versus spectroscopic techniques for binding studies of carbamazepine. Journal of Pharmaceutical and Biomedical Analysis, 2012, 66, 91-99. | 1.4 | 16 |
| 39 | Nondestructive Sampling of Living Systems Using in Vivo Solid-Phase Microextraction. Chemical Reviews, 2011, 111, 2784-2814. | 23.0 | 399 |
| 40 | In vivosolid-phase microextraction sampling: a promising future. Bioanalysis, 2011, 3, 1305-1308. | 0.6 | 10 |
| 41 | Systematic Evaluation of Solid-Phase Microextraction Coatings for Untargeted Metabolomic Profiling of Biological Fluids by Liquid Chromatographyâˆ’Mass Spectrometry. Analytical Chemistry, 2011, 83, 1944-1954. | 3.2 | 146 |
| 42 | Determination of tranexamic acid concentration by solid phase microextraction and liquid chromatographyâ€“tandem mass spectrometry: First step to in vivo analysis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 3781-3787. | 1.2 | 40 |
| 43 | In vivo solid-phase microextraction for monitoring intravenous concentrations of drugs and metabolites. Nature Protocols, 2011, 6, 896-924. | 5.5 | 68 |
| 44 | In vivo solid-phase microextraction for single rodent pharmacokinetics studies of carbamazepine and carbamazepine-10,11-epoxide in mice. Journal of Chromatography A, 2011, 1218, 3367-3375. | 1.8 | 72 |
| 45 | In Vivo Solidâ€Phase Microextraction: Capturing the Elusive Portion of Metabolome. Angewandte Chemie - International Edition, 2011, 50, 5344-5348. | 7.2 | 128 |
| 46 | In Vivo Solidâ€Phase Microextraction in Metabolomics: Opportunities for the Direct Investigation of Biological Systems. Angewandte Chemie - International Edition, 2011, 50, 5618-5628. | 7.2 | 126 |
| 47 | Comparison and validation of calibration methods for in vivo SPME determinations using an artificial vein system. Analytica Chimica Acta, 2010, 665, 160-166. | 2.6 | 28 |
| 48 | Solid-phase microextraction in bioanalysis: New devices and directions. Journal of Chromatography A, 2010, 1217, 4041-4060. | 1.8 | 182 |
| 49 | Automated solid-phase microextraction and thin-film microextraction for high-throughput analysis of biological fluids and ligandâ€“receptor binding studies. Nature Protocols, 2010, 5, 140-161. | 5.5 | 91 |
| 50 | Recent developments in solid-phase microextraction. Analytical and Bioanalytical Chemistry, 2009, 393, 781-795. | 1.9 | 339 |
| 51 | Automated study of ligandâ€“receptor binding using solid-phase microextraction. Journal of Pharmaceutical and Biomedical Analysis, 2009, 50, 550-555. | 1.4 | 37 |
| 52 | Direct monitoring of ochratoxin A in cheese with solid-phase microextraction coupled to liquid chromatography-tandem mass spectrometry. Journal of Chromatography A, 2009, 1216, 7505-7509. | 1.8 | 51 |
| 53 | In vitro evaluation of new biocompatible coatings for solid-phase microextraction: Implications for drug analysis and in vivo sampling applications. Analytica Chimica Acta, 2009, 638, 175-185. | 2.6 | 93 |
| 54 | Investigation of the Effect of the Extraction Phase Geometry on the Performance of Automated Solid-Phase Microextraction. Analytical Chemistry, 2009, 81, 4226-4232. | 3.2 | 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. | 1.8 | 83 |
| 56 | Automation of Solid-Phase Microextraction in High-Throughput Format and Applications to Drug Analysis. Analytical Chemistry, 2008, 80, 6870-6880. | 3.2 | 121 |
| 57 | Imaging TOF-SIMS analysis of oligonucleotide microarrays. Analyst, The, 2003, 128, 126-129. | 1.7 | 15 |