

# Sanja O Podunavac-Kuzmanovic

## List of Publications by Citations

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61  
papers

309  
citations

10  
h-index

13  
g-index

64  
ext. papers

348  
ext. citations

2.1  
avg, IF

3.19  
L-index

#	Paper	IF	Citations
61	QSAR analysis of 2-amino or 2-methyl-1-substituted benzimidazoles against <i>Pseudomonas aeruginosa</i> . <i>International Journal of Molecular Sciences</i> , <b>2009</b> , 10, 1670-82	6.3	24
60	RELATIONSHIP BETWEEN THE LIPOPHILICITY AND ANTIFUNGAL ACTIVITY OF SOME BENZIMIDAZOLE DERIVATIVES. <i>Journal of Theoretical and Computational Chemistry</i> , <b>2007</b> , 06, 687-698	1.8	16
59	Non-linear assessment of anticancer activity of 17-picolyl and 17-picolinylidene androstane derivatives--chemometric guidelines for further syntheses. <i>European Journal of Pharmaceutical Sciences</i> , <b>2014</b> , 62, 258-66	5.1	14
58	Chemometric guidelines for selection of cultivation conditions influencing the antioxidant potential of beetroot extracts. <i>Computers and Electronics in Agriculture</i> , <b>2015</b> , 118, 332-339	6.5	13
57	Comprehensive QSRR modeling as a starting point in characterization and further development of anticancer drugs based on 17 $\beta$ -picolyl and 17(E)-picolinylidene androstane structures. <i>European Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 93, 1-10	5.1	13
56	Synthesis and physico-chemical characterization of zinc(II), nickel(II) and cobalt(II) complexes with 2-phenyl-2-imidazoline. <i>Acta Periodica Technologica</i> , <b>2003</b> , 119-124	0.8	13
55	Lipophilicity and antifungal activity of some 2-substituted benzimidazole derivatives. <i>Chemical Industry and Chemical Engineering Quarterly</i> , <b>2011</b> , 17, 9-15	0.7	12
54	RPTLC study of QSRR and QSAR for some benzimidazole derivatives. <i>Journal of Planar Chromatography - Modern TLC</i> , <b>2008</b> , 21, 135-141	0.9	12
53	Synthesis, physico-chemical characterization and biological activity of 2-aminobenzimidazole complexes with different metal ions. <i>Acta Periodica Technologica</i> , <b>2004</b> , 239-246	0.8	11
52	QSAR modeling of antibacterial activity of some benzimidazole derivatives. <i>Chemical Industry and Chemical Engineering Quarterly</i> , <b>2011</b> , 17, 33-38	0.7	10
51	How to rank and discriminate artificial neural networks? Case study: prediction of anticancer activity of 17-picolyl and 17-picolinylidene androstane derivatives. <i>Journal of the Iranian Chemical Society</i> , <b>2016</b> , 13, 499-507	2	9
50	Chemometric approach to texture profile analysis of kombucha fermented milk products. <i>Journal of Food Science and Technology</i> , <b>2015</b> , 52, 5968-74	3.3	8
49	A comparative study of chromatographic behavior and lipophilicity of selected natural styryl lactones, their derivatives and analogues. <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 105, 99-107	5.1	8
48	Comparative chemometric and quantitative structure-retention relationship analysis of anisotropic lipophilicity of 1-arylsuccinimide derivatives determined in high-performance thin-layer chromatography system with aprotic solvents. <i>Journal of Chromatography A</i> , <b>2020</b> , 1628, 461439	4.5	8
47	Preselection of A- and B- modified d-homo lactone and d-seco androstane derivatives as potent compounds with antiproliferative activity against breast and prostate cancer cells - QSAR approach and molecular docking analysis. <i>European Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 93, 107-13	5.1	8
46	Chemometrics approach based on chromatographic behavior, in silico characterization and molecular docking study of steroid analogs with biomedical importance. <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 105, 71-81	5.1	7
45	Binding affinity toward human prion protein of some anti-prion compounds - Assessment based on QSAR modeling, molecular docking and non-parametric ranking. <i>European Journal of Pharmaceutical Sciences</i> , <b>2018</b> , 111, 215-225	5.1	7

44	RP-HPTLC Retention Data in Correlation with the In-silico ADME Properties of a Series of s-triazine Derivatives. <i>Iranian Journal of Pharmaceutical Research</i> , <b>2014</b> , 13, 1203-11	1.1	7
43	Antimicrobial activity of cobalt(II) complexes with 2-aminobenzimidazole derivatives. <i>Acta Periodica Technologica</i> , <b>2004</b> , 231-238	0.8	7
42	Anion effect on antimicrobial activity of metal complexes with benzimidazole derivative. <i>Chemical Industry and Chemical Engineering Quarterly</i> , <b>2007</b> , 13, 68-71	0.7	7
41	Nature of the interactions in binary mixtures of 1-butyl-3-ethylimidazolium bromide ionic liquid with methanol and ethanol. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 229, 212-216	6	6
40	Quantitative structure-activity relationship of some 1-benzylbenzimidazole derivatives as antifungal agents. <i>Acta Periodica Technologica</i> , <b>2007</b> , 139-147	0.8	6
39	A chemometric approach for prediction of antifungal activity of some benzoxazole derivatives against <i>Candida albicans</i> . <i>Acta Periodica Technologica</i> , <b>2012</b> , 273-282	0.8	6
38	Antioxidant capacity of cookies with non-modified and modified sugar beet fibers: chemometric and statistical analysis. <i>European Food Research and Technology</i> , <b>2017</b> , 243, 239-246	3.4	5
37	New protic ionic liquids for fungi and bacteria removal from paper heritage artefacts.. <i>RSC Advances</i> , <b>2019</b> , 9, 17905-17912	3.7	5
36	Artificial neural network modeling of the antioxidant activity of lettuce submitted to different postharvest conditions. <i>Journal of Food Processing and Preservation</i> , <b>2019</b> , 43, e13878	2.1	5
35	Artificial neural network approach to modelling of metal contents in different types of chocolates. <i>Acta Chimica Slovenica</i> , <b>2015</b> , 62, 190-5	1.9	5
34	New guidelines for prediction of antioxidant activity of <i>Lactuca sativa</i> L. varieties based on phytochemicals content and multivariate chemometrics. <i>Journal of Food Processing and Preservation</i> , <b>2018</b> , 42, e13355	2.1	5
33	Computational modeling of ionic liquids density by multivariate chemometrics. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 214, 276-282	6	5
32	Correlations between the lipophilicity and the inhibitory activity of different substituted benzimidazoles. <i>Chemical Industry and Chemical Engineering Quarterly</i> , <b>2009</b> , 15, 125-130	0.7	5
31	Physico-chemical characterization and anti- microbial activity of copper(II) complexes with 2-amino and 2-methylbenzimidazole derivatives. <i>Acta Periodica Technologica</i> , <b>2004</b> , 247-254	0.8	5
30	QSRR modeling of retention behavior of some s-triazine derivatives. <i>Acta Chimica Slovenica</i> , <b>2013</b> , 60, 732-42	1.9	5
29	Toward identification of the risk group of food products: Chemometric assessment of heavy metals content in confectionery products. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , <b>2019</b> , 36, 1068-1078	3.2	4
28	Analysis of operating variables for Yerba mate leaves supercritical carbon dioxide extraction. <i>Chemical Industry and Chemical Engineering Quarterly</i> , <b>2018</b> , 24, 231-238	0.7	3
27	Chromatographic and computational screening of anisotropic lipophilicity and pharmacokinetics of newly synthesized 1-aryl-3-ethyl-3-methylsuccinimides. <i>Computational Biology and Chemistry</i> , <b>2020</b> , 84, 107161	3.6	3

26	Retention Data from Normal-Phase Thin-Layer Chromatography in Characterization of Some 1,6-anhydrohexose and D-aldopentose Derivatives by QSRR Method. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2015</b> , 38, 1044-1051	1.3	2
25	Quantitative structure-activity relationships to predict antibacterial effect of some benzimidazole derivatives. <i>Acta Periodica Technologica</i> , <b>2008</b> , 181-191	0.8	2
24	Neural network modelling of antifungal activity of a series of oxazole derivatives based on in silico pharmacokinetic parameters. <i>Acta Periodica Technologica</i> , <b>2013</b> , 249-258	0.8	2
23	Chemometric estimation of the retention behavior of selected estradiol derivatives. <i>Acta Periodica Technologica</i> , <b>2015</b> , 219-227	0.8	2
22	Improvement of Carrot Accelerated Solvent Extraction Efficacy Using Experimental Design and Chemometric Techniques. <i>Processes</i> , <b>2021</b> , 9, 1652	2.9	2
21	Toward consistent discrimination of common bean ( <i>Phaseolus vulgaris</i> L.) based on grain coat color, phytochemical composition, and antioxidant activity. <i>Journal of Food Processing and Preservation</i> , <b>2019</b> , 43, e14246	2.1	1
20	On the characterization of novel biologically active steroids: Selection of lipophilicity models of newly synthesized steroidal derivatives by classical and non-parametric ranking approaches. <i>Computational Biology and Chemistry</i> , <b>2019</b> , 80, 23-30	3.6	1
19	Correlation between the lipophilicity and antifungal activity of some benzoxazole derivatives. <i>Acta Periodica Technologica</i> , <b>2010</b> , 177-185	0.8	1
18	Chemometric analysis of metal contents in different types of chocolates. <i>Acta Periodica Technologica</i> , <b>2014</b> , 129-139	0.8	1
17	Correlation and principal component analysis in ceramic tiles characterization. <i>Acta Periodica Technologica</i> , <b>2015</b> , 169-176	0.8	1
16	Reversed-phase HPLC retention data in correlation studies with in lipophilicity molecular descriptors of carotenoids. <i>Hemjska Industrija</i> , <b>2013</b> , 67, 933-940	0.6	1
15	Molecular docking analysis of newly synthesized 2- morpholinoquinoline derivatives with antifungal potential toward <i>Aspergillus fumigatus</i> . <i>Acta Periodica Technologica</i> , <b>2017</b> , 155-165	0.8	1
14	Changes in phytochemical and antioxidant activity of selected Red pepper ( <i>Capsicum annum</i> L.) cultivars. Chemometric approach. <i>Journal of Food Processing and Preservation</i> , <b>2020</b> , 44, e14850	2.1	1
13	Toward steroidal anticancer drugs: Non-parametric and 3D-QSAR modeling of 17-picolyl and 17-picolinylidene androstanes with antiproliferative activity on breast adenocarcinoma cells. <i>Journal of Molecular Graphics and Modelling</i> , <b>2019</b> , 87, 240-249	2.8	1
12	Chemical and Biological Properties of Peach Pomace Encapsulates: Chemometric Modeling. <i>Processes</i> , <b>2022</b> , 10, 642	2.9	1
11	Chemometrics of Anisotropic Lipophilicity of Anticancer Androstane Derivatives Determined by Reversed-Phase Ultra High Performance Liquid Chromatography with Polar Aprotic and Protic Modifiers. <i>Journal of Chromatography A</i> , <b>2022</b> , 463197	4.5	1
10	Chemometric and QSAR analysis of some thiadiazines as potential antifungal agents. <i>Acta Periodica Technologica</i> , <b>2017</b> , 117-126	0.8	0
9	Linear and Nonlinear Structure-Retention Relationship Analysis of Different Classes of Pesticides Isolated From Groundwater. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2015</b> , 38, 1426-1434	1.3	3

- 8 Chemometric prediction of the content of essential metals with potentially toxic effects determined in confectionery products. *Journal of Food Processing and Preservation*, **2019**, 43, e14289 2.1
- 7 Estimation of the retention behaviour of s-triazine derivatives applying multiple regression analysis of selected molecular descriptors. *Acta Periodica Technologica*, **2013**, 229-237 0.8
- 6 The analysis of chromatographic behavior of homoandrostane derivatives in reversed-phase ultra-high performance liquid chromatography. *Acta Periodica Technologica*, **2021**, 147-158 0.8
- 5 Computational modeling of distribution coefficients and their correlations with pharmacokinetic properties of 17 $\beta$ -picolyl and 17(E)-picolinylidene androstane derivatives. *Acta Periodica Technologica*, **2019**, 123-133 0.8
- 4 Chromatographic lipophilicity as a predictor of antiproliferative activity of 17-picolyl and 17-picolinylidene androstane derivatives toward prostate cancer. *Acta Periodica Technologica*, **2015**, 239-247 0.8
- 3 Estimation of chromatographic lipophilicity of some D-homo androstene derivatives. *Acta Periodica Technologica*, **2015**, 249-258 0.8
- 2 Application of QSAR models in analysis of antibacterial activity of some benzimidazole derivatives against *Sarcina lutea*. *Hemijaska Industrija*, **2013**, 67, 27-33 0.6
- 1 Application of multiple linear regression analysis to predict antifungal activity of some benzimidazole derivatives using ADME parameters. *Acta Periodica Technologica*, **2013**, 239-247 0.8