Strahinja Z KovaÄeviÄ

List of Publications by Year
in descending order

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67	427	949033	1051228
papers	citations	11 h-index	16 g-index

67	67	67	492
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chemical and Biological Properties of Peach Pomace Encapsulates: Chemometric Modeling. Processes, 2022, 10, 642.	1.3	2
2	Chemometrics of anisotropic lipophilicity of anticancer androstane derivatives determined by reversed-phase ultra high performance liquid chromatography with polar aprotic and protic modifiers. Journal of Chromatography A, 2022, 1673, 463197.	1.8	4
3	Modeling of Anticancer Sulfonamide Derivatives Lipophilicity by Chemometric and Quantitative Structure-Retention Relationships Approaches. Molecules, 2022, 27, 3965.	1.7	4
4	Improvement of Carrot Accelerated Solvent Extraction Efficacy Using Experimental Design and Chemometric Techniques. Processes, 2021, 9, 1652.	1.3	8
5	Analysis of functional ingredients and composition of Ocimum basilicum. South African Journal of Botany, 2021, 141, 227-234.	1.2	11
6	Multivariate assessment of anticancer oleanane triterpenoids lipophilicity. Journal of Chromatography A, 2021, 1656, 462552.	1.8	9
7	Prediction of the chromatographic hydrophobicity index with immobilized artificial membrane chromatography using simple molecular descriptors and artificial neural networks. Journal of Chromatography A, 2021, 1660, 462666.	1.8	15
8	The analysis of chromatographic behavior of homoandrostane derivatives in reversed-phase ultra-high performance liquid chromatography. Acta Periodica Technologica, 2021, , 147-158.	0.5	0
9	Chromatographic and computational screening of anisotropic lipophilicity and pharmacokinetics of newly synthesized 1-aryl-3-ethyl-3-methylsuccinimides. Computational Biology and Chemistry, 2020, 84, 107161.	1.1	6
10	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. Journal of Chromatography A, 2020, 1628, 461439.	1.8	11
11	Changes in phytochemical and antioxidant activity of selected Red pepper (Capsicum annuum L.) cultivarsâ€"Chemometric approach. Journal of Food Processing and Preservation, 2020, 44, e14850.	0.9	1
12	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.	0.9	0
13	Toward consistent discrimination of common bean (Phaseolus vulgarisL.) based on grain coat color, phytochemical composition, and antioxidant activity. Journal of Food Processing and Preservation, 2019, 43, e14246.	0.9	3
14	New protic ionic liquids for fungi and bacteria removal from paper heritage artefacts. RSC Advances, 2019, 9, 17905-17912.	1.7	10
15	Toward identification of the risk group of food products: Chemometric assessment of heavy metals content in confectionery products. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2019, 36, 1068-1078.	1.1	6
16	On the characterization of novel biologically active steroids: Selection of lipophilicity models of newly synthesized steroidal derivatives by classical and non-parametric ranking approaches. Computational Biology and Chemistry, 2019, 80, 23-30.	1.1	1
17	Artificial neural network modeling of the antioxidant activity of lettuce submitted to different postharvest conditions. Journal of Food Processing and Preservation, 2019, 43, e13878.	0.9	7
18	Toward steroidal anticancer drugs: Non-parametric and 3D-QSAR modeling of 17-picolyl and 17-picolinylidene androstanes with antiproliferative activity on breast adenocarcinoma cells. Journal of Molecular Graphics and Modelling, 2019, 87, 240-249.	1.3	3

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19	Computational modeling of distribution coefficients and their correlations with pharmacokinetic properties of 17Î±-picolyl and 17(E)-picolinylidene androstane derivatives. Acta Periodica Technologica, 2019, , 123-133.	0.5	0
20	New guidelines for prediction of antioxidant activity ofLactuca sativaL. varieties based on phytochemicals content and multivariate chemometrics. Journal of Food Processing and Preservation, 2018, 42, e13355.	0.9	5
21	Binding affinity toward human prion protein of some anti-prion compounds â€" Assessment based on QSAR modeling, molecular docking and non-parametric ranking. European Journal of Pharmaceutical Sciences, 2018, 111, 215-225.	1.9	9
22	Analysis of operating variables for Yerba mate leaves supercritical carbon dioxide extraction. Chemical Industry and Chemical Engineering Quarterly, 2018, 24, 231-238.	0.4	3
23	Electrostatic and Topological Features as Predictors of Antifungal Potential of Oxazolo Derivatives as Promising Compounds in Treatment of Infections Caused by Candida albicans. Acta Chimica Slovenica, 2018, 65, 483-491.	0.2	0
24	Antioxidant capacity of cookies with non-modified and modified sugar beet fibers: chemometric and statistical analysis. European Food Research and Technology, 2017, 243, 239-246.	1.6	9
25	Chemometrics approach based on chromatographic behavior, in silico characterization and molecular docking study of steroid analogs with biomedical importance. European Journal of Pharmaceutical Sciences, 2017, 105, 71-81.	1.9	11
26	Nature of the interactions in binary mixtures of 1-butyl-3-ethylimidazolium bromide ionic liquid with methanol and ethanol. Journal of Molecular Liquids, 2017, 229, 212-216.	2.3	8
27	Lipophilicity estimation and characterization of selected steroid derivatives of biomedical importance applying RP HPLC. Journal of Pharmaceutical and Biomedical Analysis, 2017, 134, 27-35.	1.4	15
28	QSAR Analysis of Antibacterial and Antifungal Activity of Novel 2-Morpholinoquinoline Analogs. Proceedings (mdpi), 2017, 1, 643.	0.2	0
29	A comparative study of chromatographic behavior and lipophilicity of selected natural styryl lactones, their derivatives and analogues. European Journal of Pharmaceutical Sciences, 2017, 105, 99-107.	1.9	10
30	Molecular docking analysis of newly synthesized 2- morpholinoquinoline derivatives with antifungal potential toward Aspergillus fumigatus. Acta Periodica Technologica, 2017, , 155-165.	0.5	1
31	Chemometric and QSAR analysis of some thiadiazines as potential antifungal agents. Acta Periodica Technologica, 2017, , 117-126.	0.5	1
32	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 â€" QSAR approach and molecular docking analysis. European Journal of Pharmaceutical Sciences, 2016, 93, 107-113.	1.9	11
33	Comprehensive QSRR modeling as a starting point in characterization and further development of anticancer drugs based on 17Î±-picolyl and 17(E)-picolinylidene androstane structures. European Journal of Pharmaceutical Sciences, 2016, 93, 1-10.	1.9	15
34	Winter savory: Supercritical carbon dioxide extraction and mathematical modeling of extraction process. Journal of Supercritical Fluids, 2016, 117, 89-97.	1.6	31
35	How to rank and discriminate artificial neural networks? Case study: prediction of anticancer activity of 17-picolyl and 17-picolinylidene androstane derivatives. Journal of the Iranian Chemical Society, 2016, 13, 499-507.	1.2	9
36	Computational modeling of ionic liquids density by multivariate chemometrics. Journal of Molecular Liquids, 2016, 214, 276-282.	2.3	7

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37	Retention Data from Normal-Phase Thin-Layer Chromatography in Characterization of Some 1,6-anhydrohexose and D-aldopentose Derivatives by QSRR Method. Journal of Liquid Chromatography and Related Technologies, 2015, 38, 1044-1051.	0.5	3
38	Chemometric approach to texture profile analysis of kombucha fermented milk products. Journal of Food Science and Technology, 2015, 52, 5968-5974.	1.4	10
39	Artificial neural network approach to modelling of metal contents in different types of chocolates. Acta Chimica Slovenica, 2015, 62, 190-5.	0.2	5
40	Structureâ€“Retention Relationship Study of 2,4-dioxotetrahydro-1,3-thiazole Derivatives. Journal of Liquid Chromatography and Related Technologies, 2015, 38, 1247-1253.	0.5	3
41	Structure-Retention Analysis of Some 1,6-anhydrohexose and D-aldopentose Derivatives by Linear Multivariate Approach. Journal of Liquid Chromatography and Related Technologies, 2015, 38, 662-669.	0.5	4
42	Linear and Nonlinear Structure-Retention Relationship Analysis of Different Classes of Pesticides Isolated From Groundwater. Journal of Liquid Chromatography and Related Technologies, 2015, 38, 1426-1434.	0.5	0
43	Lipophilicity Estimation of Some Carbohydrate Derivatives in TLC with Benzene as a Diluent. Journal of Liquid Chromatography and Related Technologies, 2015, 38, 1593-1600.	0.5	3
44	Chemometric guidelines for selection of cultivation conditions influencing the antioxidant potential of beetroot extracts. Computers and Electronics in Agriculture, 2015, 118, 332-339.	3.7	20
45	Assessment of Chromatographic Lipophilicity of Some Anhydro-D-Aldose Derivatives on Different Stationary Phases by QSRR Approach. Journal of Liquid Chromatography and Related Technologies, 2015, 38, 492-500.	0.5	11
46	Correlation and principal component analysis in ceramic tiles characterization. Acta Periodica Technologica, 2015, , 169-176.	0.5	1
47	Chemometric estimation of the retention behavior of selected estradiol derivatives. Acta Periodica Technologica, 2015, , 219-227.	0.5	2
48	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.	0.5	0
49	Estimation of chromatographic lipophilicity of some D-homo androstene derivatives. Acta Periodica Technologica, 2015, , 249-258.	0.5	0
50	QSRR Analysis in Characterization of Some Benzimidazole Derivatives. Acta Chimica Slovenica, 2015, , .	0.2	0
51	QSRR Analysis in Characterization of Some Benzimidazole Derivatives. Acta Chimica Slovenica, 2015, 62, 747-53.	0.2	1
52	Chemometric estimation of post-mortem interval based on Na+ and K+ concentrations from human vitreous humour by linear least squares and artificial neural networks modelling. Australian Journal of Forensic Sciences, 2014, 46, 166-179.	0.7	13
53	HPLC Retention Behavior of Triacylglycerols Extracted from Soybean Oil by Supercritical CO2. Croatica Chemica Acta, 2014, 87, 261-269.	0.1	2
54	Non-linear assessment of anticancer activity of 17-picolyl and 17-picolinylidene androstane derivatives â€“ Chemometric guidelines for further syntheses. European Journal of Pharmaceutical Sciences, 2014, 62, 258-266.	1.9	19

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55	Chemometric Approach to Prediction of Antibacterial Agent Production by Streptomyces hygroscopicus. Applied Biochemistry and Biotechnology, 2014, 174, 534-541.	1.4	3
56	Chemometric analysis of metal contents in different types of chocolates. Acta Periodica Technologica, 2014, , 129-139.	0.5	2
57	Prediction of In-silico ADME Properties of 1,2-O-Isopropylidene Aldohexose Derivatives. Iranian Journal of Pharmaceutical Research, 2014, 13, 899-907.	0.3	19
58	RP-HPTLC Retention Data in Correlation with the In-silico ADME Properties of a Series of s-triazine Derivatives. Iranian Journal of Pharmaceutical Research, 2014, 13, 1203-11.	0.3	9
59	Chemometric estimation of the RP TLC retention behaviour of some estrane derivatives by using multivariate regression methods. Open Chemistry, 2013, 11, 2031-2039.	1.0	10
60	Estimation of the retention behaviour of s-triazine derivatives applying multiple regression analysis of selected molecular descriptors. Acta Periodica Technologica, 2013, , 229-237.	0.5	1
61	Neural network modelling of antifungal activity of a series of oxazole derivatives based on in silico pharmacokinetic parameters. Acta Periodica Technologica, 2013, , 249-258.	0.5	3
62	Application of multiple linear regression analysis to predict antifungal activity of some benzimidazole derivatives using ADME parameters. Acta Periodica Technologica, 2013, , 239-247.	0.5	0
63	Quantitative structure-retention relationship analysis of some xylofuranose derivatives by linear multivariate method. Acta Chimica Slovenica, 2013, 60, 420-8.	0.2	12
64	QSRR modeling of retention behavior of some s-triazine derivatives. Acta Chimica Slovenica, 2013, 60, 732-42.	0.2	6
65	Multivariate regression modelling of antifungal activity of some benzoxazole and oxazolo[4,5-b]pyridine derivatives. Acta Chimica Slovenica, 2013, 60, 756-62.	0.2	11
66	A chemometric approach for prediction of antifungal activity of some benzoxazole derivatives against Candida albicans. Acta Periodica Technologica, 2012, , 273-282.	0.5	8
67	Modeling of Anticancer Sulfonamide Derivatives Lipophilicity by Chemometric and Quantitative Structure-Retention Relationships Approaches. SSRN Electronic Journal, 0, , .	0.4	0