Vesna Rastija

List of Publications by Year in descending order

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39 papers	1,149 citations	516710 16 h-index	395702 33 g-index
39 all docs	39 docs citations	39 times ranked	1791 citing authors

#	Article	IF	Citations
1	How to face COVID-19: proposed treatments based on remdesivir and hydroxychloroquine in the presence of zinc sulfate. Docking/DFT/POM structural analysis. Journal of Biomolecular Structure and Dynamics, 2022, 40, 9429-9442.	3.5	20
2	Effects of Defoliation Treatments of Babica Grape Variety(Vitis vinifera L.) on Volatile Compounds Content in Wine. Molecules, 2022, 27, 714.	3.8	0
3	Effects of Coumarinyl Schiff Bases against Phytopathogenic Fungi, the Soil-Beneficial Bacteria and Entomopathogenic Nematodes: Deeper Insight into the Mechanism of Action. Molecules, 2022, 27, 2196.	3.8	8
4	Polyphenols in Ruminant Nutrition and Their Effects on Reproduction. Antioxidants, 2022, 11, 970.	5.1	26
5	Synthesis and antimicrobial activity evaluation of some new 7-substituted quinolin-8-ol derivatives: POM analyses, docking, and identification of antibacterial pharmacophore sites. Chemical Data Collections, 2021, 31, 100593.	2.3	9
6	Petra/Osiris/Molinspiration and Molecular Docking Analyses of 3-Hydroxy-Indolin-2-one Derivatives as Potential Antiviral Agents. Current Computer-Aided Drug Design, 2021, 17, 123-133.	1.2	26
7	Biological Activities Related to Plant Protection and Environmental Effects of Coumarin Derivatives: QSAR and Molecular Docking Studies. International Journal of Molecular Sciences, 2021, 22, 7283.	4.1	9
8	Identification of Food Compounds as inhibitors of SARS-CoV-2 main protease using molecular docking and molecular dynamics simulations. Chemometrics and Intelligent Laboratory Systems, 2021, 217, 104394.	3.5	13
9	Structure features of peptide-type SARS-CoV main protease inhibitors: Quantitative structure activity relationship study. Chemometrics and Intelligent Laboratory Systems, 2020, 206, 104172.	3.5	10
10	Lipoxygenase Inhibition Activity of Coumarin Derivativesâ€"QSAR and Molecular Docking Study. Pharmaceuticals, 2020, 13, 154.	3.8	22
11	DFT calculations and POM analyses of cytotoxicity of some flavonoids from aerial parts of Cupressus sempervirens: Docking and identification of pharmacophore sites. Bioorganic Chemistry, 2020, 100, 103850.	4.1	16
12	Recent Advances in Discovery of New Tyrosine Kinase Inhibitors Using Computational Methods. Proceedings (mdpi), 2019, 22, .	0.2	0
13	Identification of prodigious and under-privileged structural features for RG7834 analogs as Hepatitis B virus expression inhibitor. Medicinal Chemistry Research, 2019, 28, 2270-2278.	2.4	3
14	Synthesis, Tyrosinase Inhibiting Activity and Molecular Docking of Fluorinated Pyrazole Aldehydes as Phosphodiesterase Inhibitors. Applied Sciences (Switzerland), 2019, 9, 1704.	2.5	3
15	Investigation of the structural and physicochemical requirements ofquinoline-arylamidine hybrids for the growth inhibition of K562 and Rajileukemia cells. Turkish Journal of Chemistry, 2019, 43, 251-265.	1.2	4
16	Effects of early leaf removal on volatile compounds concentrations in Cabernet Sauvignon wines from the Ilok vineyards. Poljoprivreda, 2018, 24, 10-17.	0.5	4
17	Environmentally Friendly Approach to Knoevenagel Condensation of Rhodanine in Choline Chloride: Urea Deep Eutectic Solvent and QSAR Studies on Their Antioxidant Activity. Molecules, 2018, 23, 1897.	3.8	21
18	QSAR Analysis for Antioxidant Activity of Dipicolinic Acid Derivatives. Combinatorial Chemistry and High Throughput Screening, 2018, 21, 204-214.	1.1	10

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19	Effects of early leaf removal on grape yield, chemical characteristics, and antioxidant activity of grape variety Cabernet Sauvignon and wine from eastern Croatia. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2017, 67, 705-711.	0.6	10
20	Antitumor activity of 3,4-ethylenedioxythiophene derivatives and quantitative structure-activity relationship analysis. Journal of Molecular Structure, 2017, 1133, 66-73.	3.6	12
21	Deep Eutectic Solvents as Convenient Media for Synthesis of Novel Coumarinyl Schiff Bases and Their QSAR Studies. Molecules, 2017, 22, 1482.	3.8	19
22	Quantitative structureâ€“activity relationships (QSARs) and pharmacophore modeling for human African trypanosomiasis (HAT) activity of pyridyl benzamides and 3-(oxazolo[4,5-b]pyridin-2-yl)anilides. Medicinal Chemistry Research, 2016, 25, 2324-2334.	2.4	15
23	QSAR analysis of antitumor activities of 3,4-ethylenedioxythiphene derivatives. AIP Conference Proceedings, 2015, , .	0.4	0
24	Effect of information leakage and method of splitting (rational and random) on external predictive ability and behavior of different statistical parameters of QSAR model. Medicinal Chemistry Research, 2015, 24, 1241-1264.	2.4	50
25	Does tautomerism influence the outcome of QSAR modeling?. Medicinal Chemistry Research, 2014, 23, 1742-1757.	2.4	27
26	QSAR of Antitrypanosomal Activities of Polyphenols and their Analogues Using Multiple Linear Regression and Artificial Neural Networks. Combinatorial Chemistry and High Throughput Screening, 2014, 17, 709-717.	1.1	6
27	Integrating GUSAR and QSAR analyses for antimalarial activity of synthetic prodiginines against multi drug resistant strain. Medicinal Chemistry Research, 2013, 22, 2284-2292.	2.4	28
28	Two-dimensional quantitative structureâ€“activity relationship study on polyphenols as inhibitors of Î±-glucosidase. Medicinal Chemistry Research, 2012, 21, 3984-3993.	2.4	17
29	CoMSIA and POM analyses of anti-malarial activity of synthetic prodiginines. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 4827-4835.	2.2	31
30	An Overview of Innovations in Analysis and Beneficial Health Effects of Wine Polyphenols. Mini-Reviews in Medicinal Chemistry, 2011, 11, 1256-1267.	2.4	8
31	Antioxidative and vasodilatory effects of phenolic acids in wine. Food Chemistry, 2010, 119, 1205-1210.	8.2	100
32	QSAR modeling of anthocyanins, anthocyanidins and catechins as inhibitors of lipid peroxidation using three-dimensional descriptors. Medicinal Chemistry Research, 2009, 18, 579-588.	2.4	10
33	Polyphenolic composition of Croatian wines with different geographical origins. Food Chemistry, 2009, 115, 54-60.	8.2	103
34	QSAR study of antioxidant activity of wine polyphenols. European Journal of Medicinal Chemistry, 2009, 44, 400-408.	5.5	72
35	From functional food to medicinal product: Systematic approach in analysis of polyphenolics from propolis and wine. Nutrition Journal, 2009, 8, 33.	3.4	66
36	SAR and QSAR of the Antioxidant Activity of Flavonoids. Current Medicinal Chemistry, 2007, 14, 827-845.	2.4	350

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37	Synthesis and crystal structure of 2[(Ta6Cl12)Cl3(n-BuCN)3]Â·[(Ta6Cl12)Cl4(n-BuCN)2]Â·n-BuCN. The first cluster compound containing [Ta6Cl12]3+ and [Ta6Cl12]4+ cores. Comptes Rendus Chimie, 2005, 8, 1766-1773.	0.5	7
38	Nitrile Cluster Compounds [(M6X12)X2(RCN)4] (M=Nb, Ta; X=Cl, Br; R=Et, n-Pr, n-Bu). Journal of Cluster Science, 2002, 13, 215-222.	3.3	11
39	Green Synthesis of Thiazolidine-2,4-dione Derivatives and Their Lipoxygenase Inhibition Activity With QSAR and Molecular Docking Studies. Frontiers in Chemistry, 0, 10, .	3.6	3