

Petko Alov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Hybrid Classification/Regression Approach to QSAR Modeling of Stoichiometric Antiradical Capacity Assays™ Endpoints. <i>Molecules</i> , 2022, 27, 2084.	1.7	0
2	A Comprehensive Evaluation of Sdox, a Promising H2S-Releasing Doxorubicin for the Treatment of Chemoresistant Tumors. <i>Frontiers in Pharmacology</i> , 2022, 13, 831791.	1.6	3
3	New Potential Pharmacological Targets of Plant-Derived Hydroxyanthraquinones from <i>Rubia</i> spp.. <i>Molecules</i> , 2022, 27, 3274.	1.7	1
4	Exploring Applicability of the InterCriteria Analysis to Evaluate the Performance of MOE and GOLD Scoring Functions. <i>Studies in Computational Intelligence</i> , 2021, , 198-208.	0.7	2
5	In silico Studies of Biologically Active Molecules. <i>Studies in Computational Intelligence</i> , 2021, , 421-451.	0.7	1
6	Cytotoxicity and Microbicidal Activity of Commonly Used Organic Solvents: A Comparative Study and Application to a Standardized Extract from <i>Vaccinium macrocarpon</i> . <i>Toxics</i> , 2021, 9, 92.	1.6	17
7	Natural Chain-Breaking Antioxidants and Their Synthetic Analogs as Modulators of Oxidative Stress. <i>Antioxidants</i> , 2021, 10, 624.	2.2	12
8	InterCriteria Analysis Implementation for Exploration of the Performance of Various Docking Scoring Functions. <i>Studies in Computational Intelligence</i> , 2021, , 88-98.	0.7	5
9	Computational Analysis of Chemical Space of Natural Compounds Interacting with Sulfotransferases. <i>Molecules</i> , 2021, 26, 6360.	1.7	3
10	Dual SMO/BRAF Inhibition by Flavonolignans from <i>Silybum marianum</i> . <i>Antioxidants</i> , 2020, 9, 384.	2.2	13
11	In silico and in vivo studies of <i>Astragalus glycyphylloides</i> saponin(s) with relevance to metabolic syndrome modulation. <i>Food and Chemical Toxicology</i> , 2019, 130, 317-325.	1.8	2
12	Molecular Modeling Approach to Study the PPAR β Ligand Interactions. <i>Methods in Molecular Biology</i> , 2019, 1966, 261-289.	0.4	1
13	Advances in the prediction of gastrointestinal absorption: Quantitative Structure-Activity Relationship (QSAR) modelling of PAMPA permeability. <i>Computational Toxicology</i> , 2019, 10, 51-59.	1.8	12
14	In vitro and in silico studies of the membrane permeability of natural flavonoids from <i>Silybum marianum</i> (L.) Gaertn. and their derivatives. <i>Phytomedicine</i> , 2019, 53, 79-85.	2.3	18
15	Molecular determinants of PPAR β partial agonism and related in silico/in vivo studies of natural saponins as potential type 2 diabetes modulators. <i>Food and Chemical Toxicology</i> , 2018, 112, 47-59.	1.8	9
16	Optimized Structure-based Methodology for Studying PPAR β Partial Agonists. <i>International Journal Bioautomation</i> , 2018, 22, 65-72.	0.1	0
17	Molecular dynamics simulation of the human estrogen receptor alpha: contribution to the pharmacophore of the agonists. <i>Mathematics and Computers in Simulation</i> , 2017, 133, 124-134.	2.4	14
18	The application of molecular modelling in the safety assessment of chemicals: A case study on ligand-dependent PPAR β dysregulation. <i>Toxicology</i> , 2017, 392, 140-154.	2.0	21

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19	Natural modulators of nonalcoholic fatty liver disease: Mode of action analysis and in silico ADME-Tox prediction. <i>Toxicology and Applied Pharmacology</i> , 2017, 337, 45-66.	1.3	14
20	Quantitative structure-skin permeability relationships. <i>Toxicology</i> , 2017, 387, 27-42.	2.0	69
21	ADME/Tox Properties and Biochemical Interactions of Silybin Congeners: In silico Study. <i>Natural Product Communications</i> , 2017, 12, 1934578X1701200.	0.2	4
22	ADME/Tox Properties and Biochemical Interactions of Silybin Congeners: In silico Study. <i>Natural Product Communications</i> , 2017, 12, 175-178.	0.2	4
23	Computational Studies of Free Radical-Scavenging Properties of Phenolic Compounds. <i>Current Topics in Medicinal Chemistry</i> , 2015, 15, 85-104.	1.0	75
24	Modes-of-Action Related to Repeated Dose Toxicity: Tissue-Specific Biological Roles of PPAR γ Ligand-Dependent Dysregulation in Nonalcoholic Fatty Liver Disease. <i>PPAR Research</i> , 2014, 2014, 1-13.	1.1	20
25	Molecular Modelling Study of the PPAR γ Receptor in Relation to the Mode of Action/Adverse Outcome Pathway Framework for Liver Steatosis. <i>International Journal of Molecular Sciences</i> , 2014, 15, 7651-7666.	1.8	38
26	Computational Studies of Free Radical-Scavenging Properties of Phenolic Compounds. <i>Current Topics in Medicinal Chemistry</i> , 2014, , .	1.0	0
27	Toward better understanding of liver steatosis MoA: Molecular modelling study of PPAR gamma receptor. <i>Toxicology Letters</i> , 2013, 221, S85.	0.4	2
28	Recent Advances in the Molecular Modeling of Estrogen Receptor-Mediated Toxicity. <i>Advances in Protein Chemistry and Structural Biology</i> , 2011, 85, 217-251.	1.0	9
29	In vitro effects of calcium channel blockers and beta-adrenergic blocking agents on microsomal lipid peroxidation and cytochrome p-450 content. <i>Experimental and Toxicologic Pathology</i> , 1999, 51, 277-281.	2.1	3
30	Effect of multiple administration of calcium antagonists on lipid peroxidation in rat liver microsomes. <i>General Pharmacology</i> , 1996, 27, 891-893.	0.7	2
31	Role of Iron Ion Chelation by Quinones in Their Reduction, OH-Radical Generation, and Lipid Peroxidation. <i>Biochemical and Biophysical Research Communications</i> , 1993, 195, 113-119.	1.0	22
32	Influence of long-term treatment with the Ca ²⁺ -antagonists nifedipine, verapamil, flunarizine and with the calmodulin antagonist trifluoperazine on β -adrenoceptors in rat cerebral cortex. <i>General Pharmacology</i> , 1990, 21, 149-152.	0.7	7