Svetoslav H Slavov

List of Publications by Year
in descending order

19	276	1040056 9	888059 17
papers	citations	h-index	g-index

20	20	20	420
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis and bioassay of improved mosquito repellents predicted from chemical structure. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7359-7364.	7.1	89
2	Quantitative Structureâ€“Property Relationship Studies on Ostwald Solubility and Partition Coefficients of Organic Solutes in Ionic Liquids. Journal of Chemical & Engineering Data, 2008, 53, 1085-1092.	1.9	25
3	QSAR modeling of the antifungal activity against Candida albicans for a diverse set of organic compounds. Bioorganic and Medicinal Chemistry, 2008, 16, 7055-7069.	3.0	22
4	Why are most phospholipidosis inducers also hERG blockers?. Archives of Toxicology, 2017, 91, 3885-3895.	4.2	22
5	Computational identification of a phospholipidosis toxicophore using 13 C and 15 N NMR-distance based fingerprints. Bioorganic and Medicinal Chemistry, 2014, 22, 6706-6714.	3.0	20
6	Identification of a metabolic biomarker panel in rats for prediction of acute and idiosyncratic hepatotoxicity. Computational and Structural Biotechnology Journal, 2014, 10, 78-89.	4.1	18
7	4-Fluoro-3â€²,4â€²,5â€²-trimethoxychalcone as a new anti-invasive agent. From discovery to initial validation in an inÂvivo metastasis model. European Journal of Medicinal Chemistry, 2015, 101, 627-639.	5.5	13
8	Complementary PLS and KNN algorithms for improved 3D-QSDAR consensus modeling of AhR binding. Journal of Cheminformatics, 2013, 5, 47.	6.1	11
9	3D-SDAR modeling of hERG potassium channel affinity: A case study in model design and toxicophore identification. Journal of Molecular Graphics and Modelling, 2017, 72, 246-255.	2.4	10
10	A computational study of the binding of 3-(arylidene) anabaseines to two major brain nicotinic acetylcholine receptors and to the acetylcholine binding protein. European Journal of Medicinal Chemistry, 2010, 45, 2433-2446.	5.5	9
11	¹³C NMRâ€“Distance Matrix Descriptors: Optimal Abstract 3D Space Granularity for Predicting Estrogen Binding. Journal of Chemical Information and Modeling, 2012, 52, 1854-1864.	5.4	6
12	Computational identification of structural factors affecting the mutagenic potential of aromatic amines: study design and experimental validation. Archives of Toxicology, 2018, 92, 2369-2384.	4.2	6
13	Comprehensive analysis of alterations in lipid and bile acid metabolism by carbon tetrachloride using integrated transcriptomics and metabolomics. Metabolomics, 2014, 10, 1293-1304.	3.0	5
14	Quantitative structureâ€“activity relationship modeling of bioconcentration factors of polychlorinated biphenyls. Toxicological and Environmental Chemistry, 2010, 92, 1233-1247.	1.2	4
15	Rigorous 3-dimensional spectral data activity relationship approach modeling strategy for ToxCast estrogen receptor data classification, validation, and feature extraction. Environmental Toxicology and Chemistry, 2017, 36, 823-830.	4.3	4
16	Quantitative structureâ€“toxicity relationships in translational toxicology. Current Opinion in Toxicology, 2020, 23-24, 46-49.	5.0	4
17	Computational Chemistry Approaches for Understanding how Structure Determines Properties. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2009, 64, 773-777.	0.7	2
18	Determination of structural factors affecting binding to mu, kappa and delta opioid receptors. Archives of Toxicology, 2020, 94, 1215-1227.	4.2	2

#	ARTICLE	IF	CITATIONS
19	Identification of structural factors that affect binding to cannabinoid receptor type 1. Journal of Molecular Structure, 2022, 1249, 131589.	3.6	0