Katarina Nikolic

List of Publications by Year in descending order

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30 papers	1,332 citations	516710 16 h-index	454955 30 g-index
31 all docs	31 docs citations	31 times ranked	2591 citing authors

#	Article	IF	Citations
1	Application of in vitro PAMPA technique and in silico computational methods for blood-brain barrier permeability prediction of novel CNS drug candidates. European Journal of Pharmaceutical Sciences, 2022, 168, 106056.	4.0	18
2	Current computer-aided drug design methodologies in discovery of novel drug candidates for neuropsychiatric and inflammatory diseases. Arhiv Za Farmaciju, 2021, 71, 225-256.	0.5	0
3	In silico Methods for Design of Kinase Inhibitors as Anticancer Drugs. Frontiers in Chemistry, 2019, 7, 873.	3.6	71
4	A perspective on multiâ€target drug discovery and design for complex diseases. Clinical and Translational Medicine, 2018, 7, 3.	4.0	481
5	Multitarget compounds bearing tacrine- and donepezil-like structural and functional motifs for the potential treatment of Alzheimer's disease. Progress in Neurobiology, 2017, 151, 4-34.	5.7	128
6	In vitro prediction of gastrointestinal absorption of novel Î²-hydroxy-Î²-arylalkanoic acids using PAMPA technique. European Journal of Pharmaceutical Sciences, 2017, 100, 36-41.	4.0	6
7	Application of biopartitioning micellar chromatography and QSRR modeling for prediction of gastrointestinal absorption and design of novel Î²-hydroxy-Î²-arylalkanoic acids. European Journal of Pharmaceutical Sciences, 2017, 100, 280-284.	4.0	10
8	Evaluation of Biological Activity and Computerâ€Aided Design of New Soft Glucocorticoids. Archiv Der Pharmazie, 2017, 350, 1600383.	4.1	3
9	One for All? Hitting Multiple Alzheimer's Disease Targets with One Drug. Frontiers in Neuroscience, 2016, 10, 177.	2.8	75
10	Drug Design for CNS Diseases: Polypharmacological Profiling of Compounds Using Cheminformatic, 3D-QSAR and Virtual Screening Methodologies. Frontiers in Neuroscience, 2016, 10, 265.	2.8	62
11	A Comparative Study of Chromatographic Behavior and Lipophilicity of Selected Imidazoline Derivatives. Journal of Chromatographic Science, 2016, 54, 1137-1145.	1.4	3
12	Quantitative structure-retention relationship modeling of the retention behavior of guanidine and imidazoline derivatives in reversed-phase thin-layer chromatography. Journal of Planar Chromatography - Modern TLC, 2015, 28, 119-125.	1.2	7
13	Pharmacophore modeling, drug design and virtual screening on multi-targeting procognitive agents approaching histaminergic pathways. Journal of the Taiwan Institute of Chemical Engineers, 2015, 46, 15-29.	5.3	11
14	Prediction of bloodâ€“brain barrier permeation of Î±-adrenergic and imidazoline receptor ligands using PAMPA technique and quantitative-structure permeability relationship analysis. European Journal of Pharmaceutical Sciences, 2015, 68, 94-105.	4.0	28
15	Determination of Moxonidine and Its Impurities by Thin-Layer Chromatography. Journal of Liquid Chromatography and Related Technologies, 2015, 38, 1121-1125.	1.0	4
16	Predicting targets of compounds against neurological diseases using cheminformatic methodology. Journal of Computer-Aided Molecular Design, 2015, 29, 183-198.	2.9	16
17	ESTIMATION OF LIPOPHILICITY AND RETENTION BEHAVIOR OF SOME ALPHA ADRENERGIC AND IMIDAZOLINE RECEPTOR LIGANDS USING RP-TLC. Journal of Liquid Chromatography and Related Technologies, 2014, 37, 2829-2845.	1.0	8
18	N-Methyl-N-((1-methyl-5-(3-(1-(2-methylbenzyl)piperidin-4-yl)propoxy)-1H-indol-2-yl)methyl)prop-2-yn-1-amine, a New Cholinesterase and Monoamine Oxidase Dual Inhibitor. Journal of Medicinal Chemistry, 2014, 57, 10455-10463.	6.4	56

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19	Multipotent cholinesterase/monoamine oxidase inhibitors for the treatment of Alzheimer’s disease: design, synthesis, biochemical evaluation, ADMET, molecular modeling, and QSAR analysis of novel donepezil-pyridyl hybrids. Drug Design, Development and Therapy, 2014, 8, 1893.	4.3	35
20	17Î²-carboxamide steroids â€“ in vitro prediction of human skin permeability and retention using PAMPA technique. European Journal of Pharmaceutical Sciences, 2014, 52, 95-108.	4.0	28
21	Procognitive Properties of Drugs with Single and Multitargeting H₃ Receptor Antagonist Activities. CNS Neuroscience and Therapeutics, 2014, 20, 613-623.	3.9	29
22	Biopartitioning micellar chromatography as a predictive tool for skin and corneal permeability of newly synthesized 17Î²-carboxamide steroids. European Journal of Pharmaceutical Sciences, 2014, 56, 105-112.	4.0	20
23	Design, synthesis, pharmacological evaluation, QSAR analysis, molecular modeling and ADMET of novel donepezilâ€“indolyl hybrids as multipotent cholinesterase/monoamine oxidase inhibitors for the potential treatment of Alzheimer's disease. European Journal of Medicinal Chemistry, 2014, 75, 82-95.	5.5	109
24	Quantitative structureâ€•mobility relationship analysis of imidazoline receptor ligands in <scp>CD</scp>sâ€•mediated <scp>CE</scp>. Electrophoresis, 2013, 34, 471-482.	2.4	13
25	Partial Least Square and Hierarchical Clustering in ADMET Modeling: Prediction of Blood â€“ Brain Barrier Permeation of Î±-Adrenergic and Imidazoline Receptor Ligands. Journal of Pharmacy and Pharmaceutical Sciences, 2013, 16, 622.	2.1	24
26	Pharmacophore Development and SAR Studies of Imidazoline Receptor Ligands. Mini-Reviews in Medicinal Chemistry, 2012, 12, 1542-1555.	2.4	18
27	Prediction of hepatic microsomal intrinsic clearance and human clearance values for drugs. Journal of Molecular Graphics and Modelling, 2009, 28, 245-252.	2.4	22
28	An Experimental Design Approach to Selecting the Optimum HPLC Conditions for the Determination of 2-Arylimidazoline Derivatives. Journal of Liquid Chromatography and Related Technologies, 2009, 32, 656-667.	1.0	7
29	The Quantitative Structureâ€“Retention Relationship (QSRR) Analysis of Some Centrally Acting Antihypertensives and Diuretics. QSAR and Combinatorial Science, 2008, 27, 1036-1044.	1.4	7
30	QSAR study of imidazoline antihypertensive drugs. Bioorganic and Medicinal Chemistry, 2008, 16, 7134-7140.	3.0	30