Eugene V Radchenko

List of Publications by Year
in descending order

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52 papers	2,647 citations	430442 18 h-index	197535 49 g-index
54 all docs	54 docs citations	54 times ranked	3901 citing authors

#	Article	IF	Citations
1	Novel substituted 5â€methylâ€4â€acylaminoisoxazoles as antimitotic agents: Evaluation of selectivity to LNCaP cancer cells. Archiv Der Pharmazie, 2022, 355, e2100425.	2.1	6
2	Bis-Amiridines as Acetylcholinesterase and Butyrylcholinesterase Inhibitors: N-Functionalization Determines the Multitarget Anti-Alzheimerâ€™s Activity Profile. Molecules, 2022, 27, 1060.	1.7	10
3	Positive and negative AMPA receptor modulators based on tricyclic bispidine derivative: Minor structural change inverts the type of activity. Mendeleev Communications, 2022, 32, 360-363.	0.6	6
4	Novel potent bifunctional carboxylesterase inhibitors based on a polyfluoroalkyl-2-imino-1,3-dione scaffold. European Journal of Medicinal Chemistry, 2021, 218, 113385.	2.6	13
5	Amiridine-piperazine hybrids as cholinesterase inhibitors and potential multitarget agents for Alzheimer's disease treatment. Bioorganic Chemistry, 2021, 112, 104974.	2.0	22
6	A Facile Approach to Bis(isoxazoles), Promising Ligands of the AMPA Receptor. Molecules, 2021, 26, 6411.	1.7	11
7	Conjugates of tacrine and 1,2,4-thiadiazole derivatives as new potential multifunctional agents for Alzheimerâ€™s disease treatment: Synthesis, quantum-chemical characterization, molecular docking, and biological evaluation. Bioorganic Chemistry, 2020, 94, 103387.	2.0	44
8	Discovery of Novel Tankyrase Inhibitors through Molecular Docking-Based Virtual Screening and Molecular Dynamics Simulation Studies. Molecules, 2020, 25, 3171.	1.7	18
9	New Hybrids of 4-Amino-2,3-polymethylene-quinoline and p-Tolylsulfonamide as Dual Inhibitors of Acetyl- and Butyrylcholinesterase and Potential Multifunctional Agents for Alzheimerâ€™s Disease Treatment. Molecules, 2020, 25, 3915.	1.7	26
10	New Multifunctional Agents Based on Conjugates of 4-Amino-2,3-polymethylenequinoline and Butylated Hydroxytoluene for Alzheimerâ€™s Disease Treatment. Molecules, 2020, 25, 5891.	1.7	28
11	Towards Deep Neural Network Models for the Prediction of the Bloodâ€“Brain Barrier Permeability for Diverse Organic Compounds. Molecules, 2020, 25, 5901.	1.7	22
12	Bis-Î³-carbolines as new potential multitarget agents for Alzheimerâ€™s disease. Pure and Applied Chemistry, 2020, 92, 1057-1080.	0.9	6
13	Ramified derivatives of 5-(perylen-3-ylethynyl)uracil-1-acetic acid and their antiviral properties. RSC Advances, 2019, 9, 26014-26023.	1.7	8
14	Synthesis, molecular docking, and biological evaluation of 3-oxo-2-tolylhydrazinylidene-4,4,4-trifluorobutanoates bearing higher and natural alcohol moieties as new selective carboxylesterase inhibitors. Bioorganic Chemistry, 2019, 91, 103097.	2.0	23
15	Time-Domain Analysis of Molecular Dynamics Trajectories Using Deep Neural Networks: Application to Activity Ranking of Tankyrase Inhibitors. Journal of Chemical Information and Modeling, 2019, 59, 3519-3532.	2.5	23
16	Analysis of Chemical Spaces: Implications for Drug Repurposing. , 2019, , 359-395.		2
17	Influence of Descriptor Implementation on Compound Ranking Based on Multiparameter Assessment. Journal of Chemical Information and Modeling, 2018, 58, 1083-1093.	2.5	4
18	Molecular Field Topology Analysis (MFTA) in the Design of Neuroprotective Compounds. Neuromethods, 2018, , 139-159.	0.2	0

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19	Molecular design, synthesis and biological evaluation of cage compound-based inhibitors of hepatitis C virus p7 ion channels. European Journal of Medicinal Chemistry, 2018, 158, 214-235.	2.6	32
20	Machine Learning Classification Models to Improve the Dockingâ€based Screening: A Case of PI3Kâ€Tankyrase Inhibitors. Molecular Informatics, 2018, 37, e1800030.	1.4	24
21	Molecular design of proneurogenic and neuroprotective compoundsâ€”allosteric NMDA receptor modulators. Doklady Biochemistry and Biophysics, 2017, 473, 132-136.	0.3	2
22	Computer-aided estimation of the hERG-mediated cardiotoxicity risk of potential drug components. Doklady Biochemistry and Biophysics, 2017, 473, 128-131.	0.3	47
23	Structural requirements for molecular design of positive allosteric modulators of AMPA receptor. Mendeleev Communications, 2017, 27, 623-625.	0.6	16
24	Design of Broad-Spectrum Inhibitors of Influenza A Virus M2 Proton Channels: A Molecular Modeling Approach. Current Computer-Aided Drug Design, 2016, 12, 154-164.	0.8	6
25	Complex formation of albumin with tricarbocyanine dyes containing phosphonate groups. Photochemical and Photobiological Sciences, 2016, 15, 1377-1384.	1.6	13
26	New phosphonate-substituted tricarbocyanines and their interaction with bovine serum albumin. Doklady Chemistry, 2016, 470, 264-267.	0.2	3
27	Molecular design of N,N-disubstituted 2-aminothiazolines as selective carboxylesterase inhibitors. Russian Chemical Bulletin, 2016, 65, 570-575.	0.4	6
28	Prediction of human intestinal absorption of drug compounds. Russian Chemical Bulletin, 2016, 65, 576-580.	0.4	74
29	Prediction of blood-brain barrier permeability of organic compounds. Doklady Biochemistry and Biophysics, 2016, 470, 371-374.	0.3	43
30	Synthesis and biological evaluation of novel 5-hydroxylaminoisoxazole derivatives as lipoxygenase inhibitors and metabolism enhancing agents. Bioorganic and Medicinal Chemistry, 2016, 24, 712-720.	1.4	19
31	Generalized fragmental approach in QSAR/QSPR studies. Doklady Chemistry, 2015, 463, 185-188.	0.2	1
32	Molecular design of selective ligands of chemokine receptors. Doklady Biochemistry and Biophysics, 2015, 461, 131-134.	0.3	2
33	Progress in visual representations of chemical space. Expert Opinion on Drug Discovery, 2015, 10, 959-973.	2.5	68
34	Molecular modeling of the transmembrane domain of mGluR2 metabotropic glutamate receptor and the binding site of its positive allosteric modulators. Doklady Biochemistry and Biophysics, 2014, 454, 13-16.	0.3	1
35	Organophosphorus compound esterase profiles as predictors of therapeutic and toxic effects. Chemico-Biological Interactions, 2013, 203, 231-237.	1.7	66
36	Computer-aided design of negative allosteric modulators of NMDA receptor. Doklady Biochemistry and Biophysics, 2013, 448, 22-26.	0.3	2

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37	On mechanism of allosteric modulation of NMDA receptor via amino-terminal domains. Biochemical and Biophysical Research Communications, 2012, 424, 687-690.	1.0	5
38	Combined QSAR studies of inhibitor properties ofO-phosphorylated oximes toward serine esterases involved in neurotoxicity, drug metabolism and Alzheimer's disease. SAR and QSAR in Environmental Research, 2012, 23, 627-647.	1.0	37
39	Computer-aided design of arylphthalazines as potential smoothened receptor antagonists. Doklady Chemistry, 2012, 443, 97-100.	0.2	3
40	Molecular design of O-phosphorylated oximesâ€"Selective inhibitors of butyrylcholinesterase. Doklady Biochemistry and Biophysics, 2012, 443, 91-95.	0.3	10
41	Computer-aided modeling of activity and selectivity of quinazolinones as noncompetitive NMDA receptor antagonists. Doklady Biochemistry and Biophysics, 2012, 443, 118-122.	0.3	3
42	Online chemical modeling environment (OCHEM): web platform for data storage, model development and publishing of chemical information. Journal of Computer-Aided Molecular Design, 2011, 25, 533-554.	1.3	453
43	Ab Initio Kinetic Modeling of Living Anionic and Zwitterionic Chain Polymerization Mechanisms. Macromolecules, 2010, 43, 9674-9681.	2.2	9
44	Study of the structural determinants of acute and delayed neurotoxicity of O-phosphorylated oximes by molecular field topology analysis (MFTA). Doklady Biochemistry and Biophysics, 2009, 429, 309-314.	0.3	9
45	Modeling of the relationships between the structure of O-phosphorylated oximes and their anticholinesterase activity and selectivity using molecular field topology analysis (MFTA). Doklady Biochemistry and Biophysics, 2008, 418, 47-51.	0.3	18
46	Computer-aided design of selective ligands of the benzodiazepine-binding site of the GABAA receptor. Doklady Chemistry, 2008, 422, 227-230.	0.2	7
47	Molecular Field Topology Analysis in Drug Design and Virtual Screening. , 2008, , 150-181.		12
48	Generation of chemical structures on the basis of QSAR models of molecular field topology analysis. Doklady Chemistry, 2007, 415, 196-199.	0.2	7
49	Nonpeptide Inhibitors of Measles Virus Entry. Journal of Medicinal Chemistry, 2006, 49, 5080-5092.	2.9	65
50	Virtual Computational Chemistry Laboratory â€“ Design and Description. Journal of Computer-Aided Molecular Design, 2005, 19, 453-463.	1.3	1,250
51	Molecular Field Topology Analysis Method in QSAR Studies of Organic Compounds. Journal of Chemical Information and Computer Sciences, 2000, 40, 659-667.	2.8	61
52	Molecular Field Topology Analysis (MFTA) as the Basis for Molecular Design. , 2000, , 460-461.		0