Sophia S Borisevich

List of Publications by Year
in descending order

45	466	686830 13	839053 18
papers	citations	h-index	g-index

46	46	46	358
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Can molecular dynamics explain decreased pathogenicity in mutant camphecene-resistant influenza virus?. Journal of Biomolecular Structure and Dynamics, 2022, 40, 5481-5492.	2.0	14
2	Novel O-acylated amidoximes and substituted 1,2,4-oxadiazoles synthesised from (+)-ketopinic acid possessing potent virus-inhibiting activity against phylogenetically distinct influenza A viruses. Bioorganic and Medicinal Chemistry Letters, 2022, 55, 128465.	1.0	4
3	Comparative Immunogenicity of the Recombinant Receptor-Binding Domain of Protein S SARS-CoV-2 Obtained in Prokaryotic and Mammalian Expression Systems. Vaccines, 2022, 10, 96.	2.1	23
4	Simulation of Molecular Dynamics of SARS-CoV-2 S-Protein in the Presence of Multiple Arbidol Molecules: Interactions and Binding Mode Insights. Viruses, 2022, 14, 119.	1.5	9
5	Optical Configuration Effect on the Structure and Reactivity of Diastereomers Revealed by Spin Effects and Molecular Dynamics Calculations. International Journal of Molecular Sciences, 2022, 23, 38.	1.8	3
6	Borneol Ester Derivatives as Entry Inhibitors of a Wide Spectrum of SARS-CoV-2 Viruses. Viruses, 2022, 14, 1295.	1.5	15
7	Can Modern Molecular Modeling Methods Help Find the Area of Potential Vulnerability of Flaviviruses?. International Journal of Molecular Sciences, 2022, 23, 7721.	1.8	1
8	Antiviral activity of amides and carboxamides of quinolizidine alkaloid (â˜')-cytisine against human influenza virus A (H1N1) and parainfluenza virus type 3. Natural Product Research, 2021, 35, 4256-4264.	1.0	15
9	Unexpected Ring Opening During the Imination of Camphorâ€Type Bicyclic Ketones. European Journal of Organic Chemistry, 2021, 2021, 452-463.	1.2	5
10	Influenza antiviral activity of F- and OH-containing isopulegol-derived octahydro-2H-chromenes. Bioorganic and Medicinal Chemistry Letters, 2021, 31, 127677.	1.0	13
11	Synthesis and Antiviral Activity of Camphene Derivatives against Different Types of Viruses. Molecules, 2021, 26, 2235.	1.7	27
12	New class of hantaan virus inhibitors based on conjugation of the isoindole fragment to (+)-camphor or (â˜')-fenchone hydrazonesv. Bioorganic and Medicinal Chemistry Letters, 2021, 40, 127926.	1.0	7
13	Quaternary ammonium salts based on (-)-borneol as effective inhibitors of influenza virus. Archives of Virology, 2021, 166, 1965-1976.	0.9	9
14	Glycyrrhetinic acid derivatives as Zika virus inhibitors: Synthesis and antiviral activity in vitro. Bioorganic and Medicinal Chemistry, 2021, 41, 116204.	1.4	26
15	A Novel Phenylpyrrolidine Derivative: Synthesis and Effect on Cognitive Functions in Rats with Experimental Ischemic Stroke. Molecules, 2021, 26, 6124.	1.7	10
16	Polyfluoroalkylated antipyrines in Pd-catalyzed transformations. RSC Advances, 2021, 11, 35174-35181.	1.7	6
17	Promising Antifungal and Antibacterial Agents Based on 5â€Arylâ€2,2â€²â€bipyridines and Their Heteroligand Salicylate Metal Complexes: Synthesis, Bioevaluation, Molecular Docking. ChemMedChem, 2021, , .	1.6	1
18	Discovery of New Ginsenol-Like Compounds with High Antiviral Activity. Molecules, 2021, 26, 6794.	1.7	9

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19	Monoterpene-Containing Substituted Coumarins as Inhibitors of Respiratory Syncytial Virus (RSV) Replication. Molecules, 2021, 26, 7493.	1.7	7
20	Multiple biological active 4-aminopyrazoles containing trifluoromethyl and their 4-nitroso-precursors: Synthesis and evaluation. European Journal of Medicinal Chemistry, 2020, 208, 112768.	2.6	17
21	New type of anti-influenza agents based on benzo[d][1,3]dithiol core. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127653.	1.0	0
22	Interaction of triols with formaldehyde and acetone: Experimental and theoretical study. Journal of the Chinese Chemical Society, 2020, 67, 1144-1151.	0.8	3
23	Effects of novel hexahydropyrimidine derivatives as potential ligands of M1 muscarinic acetylcholine receptor on cognitive function, hypoxia-induced lethality, and oxidative stress in rodents. Behavioural Brain Research, 2019, 373, 112109.	1.2	9
24	Alkylation of 6-Polyfluoroalkyl-2-thiouracils with Haloalkanes. Russian Journal of Organic Chemistry, 2019, 55, 782-791.	0.3	4
25	Synthesis and structure-activity relationships of novel camphecene analogues as anti-influenza agents. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 126745.	1.0	13
26	Synthesis of Camphecene and Cytisine Conjugates Using Click Chemistry Methodology and Study of Their Antiviral Activity. Chemistry and Biodiversity, 2019, 16, e1900340.	1.0	19
27	Synthesis and Biological Activity of 4â€€Cycloaminopolyfluorosalicylic Acids. ChemistrySelect, 2019, 4, 1483-1490.	0.7	5
28	Diels-Alder adducts of 3-N-substituted derivatives of (â˜)-Cytisine as influenza A/H1N1 virus inhibitors; stereodifferentiation of antiviral properties and preliminary assessment of action mechanism. Tetrahedron, 2019, 75, 2933-2943.	1.0	10
29	Synthesis and Biological Evaluation of Polyfluoroalkylated Antipyrines and their Isomeric O-Methylpyrazoles. Medicinal Chemistry, 2019, 15, 521-536.	0.7	10
30	The competitive N1-, N2-, O- and C-methylation of 3-trifluoromethyl-1H-pyrazol-5-ol for synthesis of analgesic compounds. Journal of Fluorine Chemistry, 2019, 218, 1-10.	0.9	8
31	Nootropic Activity of a Novel (-)-Cytisine Derivative (3aR,4S,8S,12R,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 Td (12aS,12b[illegible])-[1,5]Diazocine-1,3,5(4H)-Trione. Bulletin of Experimental Biology and Medicine, 2018, 164, 434-438.	0.3	5
32	Regiocontrolled N-, O- and C-methylation of 1-phenyl-3-polyfluoroalkyl-1H-pyrazol-5-ols. Journal of Fluorine Chemistry, 2018, 206, 72-81.	0.9	8
33	Alkylation of 3-Trifluoromethyl-1,2-dihydroquinoxalin-2-one. Russian Journal of Organic Chemistry, 2018, 54, 1702-1709.	0.3	1
34	Selection of influenza virus resistant to the novel camphor-based antiviral camphecene results in loss of pathogenicity. Virology, 2018, 524, 69-77.	1.1	24
35	Synthesis and evaluation of camphor and cytisine-based cyanopyrrolidines as DPP-IV inhibitors for the treatment of type 2 diabetes mellitus. Bioorganic and Medicinal Chemistry, 2018, 26, 4402-4409.	1.4	23
36	Highly potent activity of isopulegol-derived substituted octahydro-2 H -chromen-4-ols against influenza A and B viruses. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2061-2067.	1.0	28

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37	Ambident polyfluoroalkyl-substituted pyrazoles in the methylation reactions. Journal of Fluorine Chemistry, 2017, 195, 47-56.	0.9	13
38	Luminescent characterization of interaction efficiency between (â˜)-cytisine and amino acids an indicator of anti-inflammatory of some 12-N-substituted (â˜)-cytisine derivatives. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 344, 192-198.	2.0	2
39	Anti-Inflammatory Activity of Novel 12-N-methylcytisine Derivatives. Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry, 2017, 16, 112-122.	1.1	4
40	Impact of chirality on the photoinduced charge transfer in linked systems containing naproxen enantiomers. Physical Chemistry Chemical Physics, 2016, 18, 12733-12741.	1.3	14
41	Inversion of diastereoselectivity under high pressure conditions: Dielsâ€“Alder reactions of 12-N-substituted derivatives of (â˜)-cytisine with N-phenylmaleimide. Tetrahedron: Asymmetry, 2015, 26, 732-737.	1.8	14
42	Experimental and Theoretical Justification for the Regiospecific Cycloaddition of Levopimaric Acid to 2-Acetyl- or 2-(Methoxycarbonyl)-1,4-Benzoquinone. Chemistry of Natural Compounds, 2015, 51, 1120-1125.	0.2	2
43	Aza-Michael reaction of 12-N-carboxamide of (â€“)-cytisine under high pressure conditions. Natural Product Research, 2015, 29, 141-148.	1.0	10
44	Thermodynamically controlled Dielsâ€“Alder reaction of 12-N-methylcytisine: A DFT study. Journal of Theoretical and Computational Chemistry, 2014, 13, 1450048.	1.8	10
45	Quantum-chemical modeling of the mechanism of autocatalytic dehydrochlorination of PVC. Theoretical and Experimental Chemistry, 2005, 41, 352-358.	0.2	6