

Sophia S Borisevich

List of Publications by Year in descending order

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papers

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686830

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#	ARTICLE	IF	CITATIONS
1	Highly potent activity of isopulegol-derived substituted octahydro-2 H -chromen-4-ols against influenza A and B viruses. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2061-2067.	1.0	28
2	Synthesis and Antiviral Activity of Camphene Derivatives against Different Types of Viruses. <i>Molecules</i> , 2021, 26, 2235.	1.7	27
3	Glycyrrhetic acid derivatives as Zika virus inhibitors: Synthesis and antiviral activity in vitro. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 41, 116204.	1.4	26
4	Selection of influenza virus resistant to the novel camphor-based antiviral camphecene results in loss of pathogenicity. <i>Virology</i> , 2018, 524, 69-77.	1.1	24
5	Synthesis and evaluation of camphor and cytosine-based cyanopyrrolidines as DPP-IV inhibitors for the treatment of type 2 diabetes mellitus. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 4402-4409.	1.4	23
6	Comparative Immunogenicity of the Recombinant Receptor-Binding Domain of Protein S SARS-CoV-2 Obtained in Prokaryotic and Mammalian Expression Systems. <i>Vaccines</i> , 2022, 10, 96.	2.1	23
7	Synthesis of Camphecene and Cytosine Conjugates Using Click Chemistry Methodology and Study of Their Antiviral Activity. <i>Chemistry and Biodiversity</i> , 2019, 16, e1900340.	1.0	19
8	Multiple biological active 4-aminopyrazoles containing trifluoromethyl and their 4-nitroso-precursors: Synthesis and evaluation. <i>European Journal of Medicinal Chemistry</i> , 2020, 208, 112768.	2.6	17
9	Antiviral activity of amides and carboxamides of quinolizidine alkaloid (β -cytosine against human influenza virus A (H1N1) and parainfluenza virus type 3. <i>Natural Product Research</i> , 2021, 35, 4256-4264.	1.0	15
10	Borneol Ester Derivatives as Entry Inhibitors of a Wide Spectrum of SARS-CoV-2 Viruses. <i>Viruses</i> , 2022, 14, 1295.	1.5	15
11	Inversion of diastereoselectivity under high pressure conditions: Diels-Alder reactions of 12-N-substituted derivatives of (β -cytosine with N-phenylmaleimide. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 732-737.	1.8	14
12	Impact of chirality on the photoinduced charge transfer in linked systems containing naproxen enantiomers. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12733-12741.	1.3	14
13	Can molecular dynamics explain decreased pathogenicity in mutant camphecene-resistant influenza virus?. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 5481-5492.	2.0	14
14	Ambident polyfluoroalkyl-substituted pyrazoles in the methylation reactions. <i>Journal of Fluorine Chemistry</i> , 2017, 195, 47-56.	0.9	13
15	Synthesis and structure-activity relationships of novel camphecene analogues as anti-influenza agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 126745.	1.0	13
16	Influenza antiviral activity of F- and OH-containing isopulegol-derived octahydro-2H-chromenes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 31, 127677.	1.0	13
17	Thermodynamically controlled Diels-Alder reaction of 12-N-methylcytosine: A DFT study. <i>Journal of Theoretical and Computational Chemistry</i> , 2014, 13, 1450048.	1.8	10
18	Aza-Michael reaction of 12-N-carboxamide of (β -cytosine under high pressure conditions. <i>Natural Product Research</i> , 2015, 29, 141-148.	1.0	10

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19	Diels-Alder adducts of 3-N-substituted derivatives of (âˆ“)Cytisine as influenza A/H1N1 virus inhibitors; stereodifferentiation of antiviral properties and preliminary assessment of action mechanism. <i>Tetrahedron</i> , 2019, 75, 2933-2943.	1.0	10
20	Synthesis and Biological Evaluation of Polyfluoroalkylated Antipyridines and their Isomeric O-Methylpyrazoles. <i>Medicinal Chemistry</i> , 2019, 15, 521-536.	0.7	10
21	A Novel Phenylpyrrolidine Derivative: Synthesis and Effect on Cognitive Functions in Rats with Experimental Ischemic Stroke. <i>Molecules</i> , 2021, 26, 6124.	1.7	10
22	Effects of novel hexahydropyrimidine derivatives as potential ligands of M1 muscarinic acetylcholine receptor on cognitive function, hypoxia-induced lethality, and oxidative stress in rodents. <i>Behavioural Brain Research</i> , 2019, 373, 112109.	1.2	9
23	Quaternary ammonium salts based on (-)-borneol as effective inhibitors of influenza virus. <i>Archives of Virology</i> , 2021, 166, 1965-1976.	0.9	9
24	Discovery of New Ginsenoside-Like Compounds with High Antiviral Activity. <i>Molecules</i> , 2021, 26, 6794.	1.7	9
25	Simulation of Molecular Dynamics of SARS-CoV-2 S-Protein in the Presence of Multiple Arbidol Molecules: Interactions and Binding Mode Insights. <i>Viruses</i> , 2022, 14, 119.	1.5	9
26	Regiocontrolled N-, O- and C-methylation of 1-phenyl-3-polyfluoroalkyl-1H-pyrazol-5-ols. <i>Journal of Fluorine Chemistry</i> , 2018, 206, 72-81.	0.9	8
27	The competitive N1-, N2-, O- and C-methylation of 3-trifluoromethyl-1H-pyrazol-5-ol for synthesis of analgesic compounds. <i>Journal of Fluorine Chemistry</i> , 2019, 218, 1-10.	0.9	8
28	New class of hantavirus inhibitors based on conjugation of the isoindole fragment to (+)-camphor or (âˆ“)fenchone hydrazones. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 40, 127926.	1.0	7
29	Monoterpene-Containing Substituted Coumarins as Inhibitors of Respiratory Syncytial Virus (RSV) Replication. <i>Molecules</i> , 2021, 26, 7493.	1.7	7
30	Quantum-chemical modeling of the mechanism of autocatalytic dehydrochlorination of PVC. <i>Theoretical and Experimental Chemistry</i> , 2005, 41, 352-358.	0.2	6
31	Polyfluoroalkylated antipyridines in Pd-catalyzed transformations. <i>RSC Advances</i> , 2021, 11, 35174-35181.	1.7	6
32	Nootropic Activity of a Novel (-)-Cytisine Derivative (3aR,4S,8S,12R,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (12aS,12bR)-10-Methyl-1,5-Diazocine-1,3,5(4H)-Trione. <i>Bulletin of Experimental Biology and Medicine</i> , 2018, 164, 434-438.	0.3	5
33	Synthesis and Biological Activity of 4â€Cycloaminopolyfluorosalicic Acids. <i>ChemistrySelect</i> , 2019, 4, 1483-1490.	0.7	5
34	Unexpected Ring Opening During the Imination of Camphorâ€Type Bicyclic Ketones. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 452-463.	1.2	5
35	Alkylation of 6-Polyfluoroalkyl-2-thiouracils with Haloalkanes. <i>Russian Journal of Organic Chemistry</i> , 2019, 55, 782-791.	0.3	4
36	Anti-Inflammatory Activity of Novel 12-N-methylcytisine Derivatives. <i>Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry</i> , 2017, 16, 112-122.	1.1	4

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37	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. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 55, 128465.	1.0	4
38	Interaction of triols with formaldehyde and acetone: Experimental and theoretical study. <i>Journal of the Chinese Chemical Society</i> , 2020, 67, 1144-1151.	0.8	3
39	Optical Configuration Effect on the Structure and Reactivity of Diastereomers Revealed by Spin Effects and Molecular Dynamics Calculations. <i>International Journal of Molecular Sciences</i> , 2022, 23, 38.	1.8	3
40	Experimental and Theoretical Justification for the Regiospecific Cycloaddition of Levopimaric Acid to 2-Acetyl- or 2-(Methoxycarbonyl)-1,4-Benzoquinone. <i>Chemistry of Natural Compounds</i> , 2015, 51, 1120-1125.	0.2	2
41	Luminescent characterization of interaction efficiency between ($\hat{\alpha}$)-cytosine and amino acids an indicator of anti-inflammatory of some 12-N-substituted ($\hat{\alpha}$)-cytosine derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 344, 192-198.	2.0	2
42	Alkylation of 3-Trifluoromethyl-1,2-dihydroquinoxalin-2-one. <i>Russian Journal of Organic Chemistry</i> , 2018, 54, 1702-1709.	0.3	1
43	Promising Antifungal and Antibacterial Agents Based on 5- <i>Aryl</i> -2- <i>bipyridines</i> and Their Heteroligand Salicylate Metal Complexes: Synthesis, Bioevaluation, Molecular Docking. <i>ChemMedChem</i> , 2021, , .	1.6	1
44	Can Modern Molecular Modeling Methods Help Find the Area of Potential Vulnerability of Flaviviruses?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7721.	1.8	1
45	New type of anti-influenza agents based on benzo[d][1,3]dithiol core. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127653.	1.0	0