

Olga Selyutina

List of Publications by Year in descending order

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31
papers

716
citations

623734

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31
all docs

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docs citations

31
times ranked

460
citing authors

#	ARTICLE	IF	CITATIONS
1	Glycyrrhizic acid as a multifunctional drug carrier – From physicochemical properties to biomedical applications: A modern insight on the ancient drug. <i>International Journal of Pharmaceutics</i> , 2019, 559, 271-279.	5.2	122
2	Influence of glycyrrhizin on permeability and elasticity of cell membrane: perspectives for drugs delivery. <i>Drug Delivery</i> , 2016, 23, 848-855.	5.7	92
3	Spectroscopic and molecular dynamics characterization of glycyrrhizin membrane-modifying activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 147, 459-466.	5.0	66
4	Solubilization and stabilization of macular carotenoids by water soluble oligosaccharides and polysaccharides. <i>Archives of Biochemistry and Biophysics</i> , 2015, 572, 58-65.	3.0	59
5	Disodium salt of glycyrrhizic acid – A novel supramolecular delivery system for anthelmintic drug praziquantel. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 50, 66-77.	3.0	36
6	Glycyrrhizin-Assisted Transport of Praziquantel Anthelmintic Drug through the Lipid Membrane: An Experiment and MD Simulation. <i>Molecular Pharmaceutics</i> , 2019, 16, 3188-3198.	4.6	34
7	Effect of natural polysaccharides and oligosaccharides on the permeability of cell membranes. <i>Russian Chemical Bulletin</i> , 2017, 66, 129-135.	1.5	29
8	Effective inhibition of copper-catalyzed production of hydroxyl radicals by deferiprone. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 331-341.	2.6	27
9	Membrane-modifying activity of glycyrrhizic acid. <i>Russian Chemical Bulletin</i> , 2015, 64, 1555-1559.	1.5	23
10	Mechanistic Insights of Chelator Complexes with Essential Transition Metals: Antioxidant/Pro-Oxidant Activity and Applications in Medicine. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1247.	4.1	23
11	Structure of dimers of glycyrrhizic acid in water and their complexes with cholesterol: Molecular dynamics simulation. <i>Journal of Structural Chemistry</i> , 2015, 56, 67-76.	1.0	21
12	Glycyrrhizin-induced changes in phospholipid dynamics studied by 1H NMR and MD simulation. <i>Archives of Biochemistry and Biophysics</i> , 2020, 686, 108368.	3.0	21
13	NMR Relaxation Study of Cholesterol Binding with Plant Metabolites. <i>Applied Magnetic Resonance</i> , 2011, 41, 283-294.	1.2	19
14	Arabinogalactan and glycyrrhizin based nanopesticides as novel delivery systems for plant protection. <i>Environmental Science and Pollution Research</i> , 2020, 27, 5864-5872.	5.3	17
15	Effect of glycyrrhizic acid on hemolysis of red blood cells and properties of cell membranes. <i>Russian Chemical Bulletin</i> , 2014, 63, 1201-1204.	1.5	13
16	Natural Poly- and Oligosaccharides as Novel Delivery Systems for Plant Protection Compounds. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 6582-6587.	5.2	13
17	pH-Sensitive Glycyrrhizin Based Vesicles for Nifedipine Delivery. <i>Molecules</i> , 2021, 26, 1270.	3.8	11
18	Effect of Glycyrrhizic Acid and Arabinogalactan on the Membrane Potential of Rat Thymocytes Studied by Potential-Sensitive Fluorescent Probe. <i>Journal of Membrane Biology</i> , 2020, 253, 343-356.	2.1	10

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19	Antioxidant Activity of Deferasirox and Its Metal Complexes in Model Systems of Oxidative Damage: Comparison with Deferiprone. <i>Molecules</i> , 2021, 26, 5064.	3.8	10
20	The Interplay of Ascorbic Acid with Quinones-Chelatorsâ€™ Influence on Lipid Peroxidation: Insight into Anticancer Activity. <i>Antioxidants</i> , 2022, 11, 376.	5.1	9
21	Light-Stimulated Generation of Free Radicals by Quinones-Chelators. <i>Zeitschrift Fur Physikalische Chemie</i> , 2017, 231, 369-389.	2.8	8
22	Complex of praseodymium with lipid as a NMR temperature sensor and probe of liposome states. <i>New Journal of Chemistry</i> , 2020, 44, 18372-18379.	2.8	7
23	Ascorbate-and iron-driven redox activity of Dp44mT and Emodin facilitates peroxidation of micelles and bicelles. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2022, 1866, 130078.	2.4	7
24	Photoinduced Oxidation of Lipid Membranes in the Presence of the Nonsteroidal Anti-Inflammatory Drug Ketoprofen. <i>Membranes</i> , 2022, 12, 251.	3.0	7
25	Experimental and Theoretical Study of Emodin Interaction with Phospholipid Bilayer and Linoleic Acid. <i>Applied Magnetic Resonance</i> , 2020, 51, 951-960.	1.2	6
26	Stereoselectivity of Interaction of Nonsteroidal Anti-Inflammatory Drug S-Ketoprofen with L/D-Tryptophan in Phospholipid Membranes. <i>Membranes</i> , 2022, 12, 460.	3.0	6
27	Effect of glycyrrhizic acid on phospholipid membranes in media with different pH. <i>Russian Chemical Bulletin</i> , 2021, 70, 2434-2439.	1.5	5
28	Thulium complex with DOPC as 1H NMR temperature sensor. <i>Chemical Physics Letters</i> , 2021, 763, 138215.	2.6	4
29	Physicochemical and Toxic Properties of Novel Genipin Drug Delivery Systems Prepared by Mechanochemistry. <i>Current Drug Delivery</i> , 2018, 15, 727-736.	1.6	4
30	Holmium complex with phospholipids as 1H NMR temperature probe for membrane systems. <i>BioMetals</i> , 2022, 35, 629-637.	4.1	4
31	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.	4.1	3