

Nataliya V Sumbatyan

List of Publications by Year in descending order

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36
papers

1,738
citations

516710

16
h-index

289244

40
g-index

40
all docs

40
docs citations

40
times ranked

1988
citing authors

#	ARTICLE	IF	CITATIONS
1	Caffeic acid phenethyl ester as a lipoxygenase inhibitor with antioxidant properties. <i>FEBS Letters</i> , 1993, 329, 21-24.	2.8	443
2	Mitochondria-targeted plastoquinone derivatives as tools to interrupt execution of the aging program. 1. Cationic plastoquinone derivatives: Synthesis and in vitro studies. <i>Biochemistry (Moscow)</i> , 2008, 73, 1273-1287.	1.5	267
3	Penetrating cation/fatty acid anion pair as a mitochondria-targeted protonophore. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 663-668.	7.1	173
4	Prevention of cardiolipin oxidation and fatty acid cycling as two antioxidant mechanisms of cationic derivatives of plastoquinone (SkQs). <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010, 1797, 878-889.	1.0	104
5	Interplay between the Ribosomal Tunnel, Nascent Chain, and Macrolides Influences Drug Inhibition. <i>Chemistry and Biology</i> , 2010, 17, 504-514.	6.0	94
6	Derivatives of Rhodamine 19 as Mild Mitochondria-targeted Cationic Uncouplers. <i>Journal of Biological Chemistry</i> , 2011, 286, 17831-17840.	3.4	80
7	In search of novel highly active mitochondria-targeted antioxidants: Thymoquinone and its cationic derivatives. <i>FEBS Letters</i> , 2013, 587, 2018-2024.	2.8	57
8	Terahertz time-domain and Raman spectroscopy of the sulfur-containing peptide dimers: Low-frequency markers of disulfide bridges. <i>Vibrational Spectroscopy</i> , 2008, 47, 53-58.	2.2	50
9	Novel Mitochondria-Targeted Antioxidants: Plastoquinone Conjugated with Cationic Plant Alkaloids Berberine and Palmatine. <i>Pharmaceutical Research</i> , 2011, 28, 2883-2895.	3.5	49
10	Binding and Action of Amino Acid Analogs of Chloramphenicol upon the Bacterial Ribosome. <i>Journal of Molecular Biology</i> , 2018, 430, 842-852.	4.2	47
11	Neuroprotective Effects of Mitochondria-Targeted Plastoquinone and Thymoquinone in a Rat Model of Brain Ischemia/Reperfusion Injury. <i>Molecules</i> , 2015, 20, 14487-14503.	3.8	46
12	Uncoupling and toxic action of alkyltriphenylphosphonium cations on mitochondria and the bacterium <i>Bacillus subtilis</i> as a function of alkyl chain length. <i>Biochemistry (Moscow)</i> , 2015, 80, 1589-1597.	1.5	45
13	Mitochondria-targeted antioxidant SkQT1 decreases trauma-induced neurological deficit in rat and prevents amyloid- β -induced impairment of long-term potentiation in rat hippocampal slices. <i>Journal of Drug Targeting</i> , 2015, 23, 347-352.	4.4	43
14	Mitochondria-targeted penetrating cations as carriers of hydrophobic anions through lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010, 1798, 1698-1706.	2.6	36
15	Neuroprotective properties of mitochondria-targeted antioxidants of the SkQ-type. <i>Reviews in the Neurosciences</i> , 2016, 27, 849-855.	2.9	30
16	Ribosomal tunnel and translation regulation. <i>Biochemistry (Moscow)</i> , 2010, 75, 1501-1516.	1.5	21
17	Molecular dynamics investigation of a mechanism of allosteric signal transmission in ribosomes. <i>Biochemistry (Moscow)</i> , 2015, 80, 1047-1056.	1.5	18
18	Title is missing!. <i>Molecular Biology</i> , 2000, 34, 823-839.	1.3	16

#	ARTICLE	IF	CITATIONS
19	Conjugates of Amino Acids and Peptides with 5-O-Mycaminosyltylonolide and Their Interaction with the Ribosomal Exit Tunnel. <i>Bioconjugate Chemistry</i> , 2013, 24, 1861-1869.	3.6	14
20	Peptide derivatives of antibiotics tylosin and desmycosin, protein synthesis inhibitors. <i>Biochemistry (Moscow)</i> , 2003, 68, 1156-1158.	1.5	12
21	Prevention of peroxidation of cardiolipin liposomes by quinol-based antioxidants. <i>Biochemistry (Moscow)</i> , 2014, 79, 1081-1100.	1.5	12
22	New fluorescent macrolide derivatives for studying interactions of antibiotics and their analogs with the ribosomal exit tunnel. <i>Biochemistry (Moscow)</i> , 2016, 81, 1163-1172.	1.5	12
23	Investigation of ribosomes using molecular dynamics simulation methods. <i>Biochemistry (Moscow)</i> , 2016, 81, 1579-1588.	1.5	10
24	A Zero-Length Diazirine Photoactive Nucleoside. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 715-717.	1.1	6
25	Interaction of chloramphenicol tripeptide analogs with ribosomes. <i>Biochemistry (Moscow)</i> , 2016, 81, 392-400.	1.5	6
26	Structural insight into interaction between C20 phenylalanyl derivative of tylosin and ribosomal tunnel. <i>Biochemistry (Moscow)</i> , 2017, 82, 925-932.	1.5	6
27	Opioid ligands with extraordinarily high μ -selectivity: Dermorphin tetrapeptides containing thymine-modified alanine residues. <i>FEBS Letters</i> , 1994, 351, 308-310.	2.8	4
28	Covalent Coupling of a PIM-1 Oncogene Targeted PNA with an Antennapedia Derived Peptide. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 1611-1613.	1.1	4
29	Design and synthesis of new types of oligonucleopeptides. <i>International Journal of Peptide Research and Therapeutics</i> , 1997, 4, 473-476.	0.1	3
30	Synthesis of Nucleopeptide-Oligonucleotide Conjugates. <i>Nucleosides & Nucleotides</i> , 1999, 18, 1489-1490.	0.5	3
31	Trifluoromethyl-diazirine-Containing dUTP: Synthesis and Application in DNA/Protein Crosslinking. <i>Nucleosides & Nucleotides</i> , 1999, 18, 1097-1098.	0.5	3
32	Synthesis and Hybridization Properties of Oligonucleotide Analogues Containing Ornithine Backbone Modified with Nucleoalanines. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 1077-1079.	1.1	2
33	The Solution Synthesis of Antisense Oligonucleotide-Peptide Conjugates Directly Linked via Phosphoramidate Bond by Using a Fragment Coupling Approach. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2004, 23, 1911-1927.	1.1	2
34	Synthesis and activity of dermorphin analogues containing unusual amino acid residues. <i>International Journal of Peptide Research and Therapeutics</i> , 1997, 4, 477-480.	0.1	1
35	Cross-Linking of <i>Escherichia coli</i> Formamidopyrimidine-DNA Glycosylase to DNA Duplexes Containing Photoactivatable Phenyl(Trifluoromethyl)diazirine Groups. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 1505-1507.	1.1	1
36	Molecular mechanisms of transformation of SkQ mitotropic quinones and the search for new approaches to creation of selective free radical traps. <i>Biochemistry (Moscow)</i> , 2009, 74, 1114-1124.	1.5	1