

Marina V Serebryakova

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

154 papers	2,515 citations	30 h-index	41 g-index
174 ext. papers	3,107 ext. citations	4.9 avg, IF	4.67 L-index

#	Paper	IF	Citations
154	Exploring Peptaibol's Profile, Antifungal, and Antitumor Activity of Emericellipsin A of Species from Soda and Saline Soils.. <i>Molecules</i> , 2022 , 27,	4.8	1
153	S51 Family Peptidases Provide Resistance to Peptidyl-Nucleotide Antibiotic McC.. <i>MBio</i> , 2022 , e00805227.	7.8	0
152	Neutrophil Adhesion and the Release of the Free Amino Acid Hydroxylysine. <i>Cells</i> , 2021 , 10,	7.9	1
151	NS1-mediated upregulation of ZDHHC22 acyltransferase in influenza a virus infected cells. <i>Cellular Microbiology</i> , 2021 , 23, e13322	3.9	2
150	Identification and characterization of andalusicin: N-terminally dimethylated class III lantibiotic from sv.. <i>IScience</i> , 2021 , 24, 102480	6.1	4
149	Proteolytic degradation patterns of the receptor for advanced glycation end products peptide fragments correlate with their neuroprotective activity in Alzheimer's disease models. <i>Drug Development Research</i> , 2021 , 82, 1217-1226	5.1	0
148	Stearic acid blunts growth-factor signaling via oleoylation of GNAI proteins. <i>Nature Communications</i> , 2021 , 12, 4590	17.4	3
147	The flavin transferase ApbE flavinylates the ferredoxin:NAD ⁺ -oxidoreductase Rnf required for N ₂ fixation in <i>Azotobacter vinelandii</i> . <i>FEMS Microbiology Letters</i> , 2021 , 368,	2.9	1
146	Inhibition of Neutrophil Secretion Upon Adhesion as a Basis for the Anti-Inflammatory Effect of the Tricyclic Antidepressant Imipramine. <i>Frontiers in Pharmacology</i> , 2021 , 12, 709719	5.6	1
145	Comprehensive Functional Analysis of Ribosomal RNA Methyltransferases. <i>Frontiers in Genetics</i> , 2020 , 11, 97	4.5	10
144	METTL15 interacts with the assembly intermediate of murine mitochondrial small ribosomal subunit to form m4C840 12S rRNA residue. <i>Nucleic Acids Research</i> , 2020 , 48, 8022-8034	20.1	9
143	Mechanism of translation inhibition by type II GNAT toxin AtaT2. <i>Nucleic Acids Research</i> , 2020 , 48, 8617-8625	8.25	4
142	Filamentous versus Spherical Morphology: A Case Study of the Recombinant A/WSN/33 (H1N1) Virus. <i>Microscopy and Microanalysis</i> , 2020 , 26, 297-309	0.5	1
141	Detection and in vitro studies of Cucurbita maxima phloem serpin-1 RNA-binding properties. <i>Biochimie</i> , 2020 , 170, 118-127	4.6	5
140	Histidine-Triad Hydrolases Provide Resistance to Peptide-Nucleotide Antibiotics. <i>MBio</i> , 2020 , 11,	7.8	4
139	Alterations in proteome of human sclera associated with primary open-angle glaucoma involve proteins participating in regulation of the extracellular matrix. <i>Molecular Vision</i> , 2020 , 26, 623-640	2.3	2
138	The GAR domain integrates functions that are necessary for the proper localization of fibrillarlin (FBL) inside eukaryotic cells. <i>PeerJ</i> , 2020 , 8, e9029	3.1	2

137	Mouse Trmt2B protein is a dual specific mitochondrial methyltransferase responsible for mU formation in both tRNA and rRNA. <i>RNA Biology</i> , 2020 , 17, 441-450	4.8	12
136	Novel RNA Polymerase Binding Protein Encoded by Bacteriophage T5. <i>Viruses</i> , 2020 , 12,	6.2	1
135	Unusually efficient CUG initiation of an overlapping reading frame in mRNA yields novel protein POLGARF. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 24936-24946	11.5	14
134	Modification by glyceraldehyde-3-phosphate prevents amyloid transformation of alpha-synuclein. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019 , 1867, 396-404	4	3
133	Efficient synthesis of lasso peptide pseudomycoidin proceeds in the absence of both the leader and the leader peptidase. <i>Chemical Science</i> , 2019 , 10, 9699-9707	9.4	9
132	Differential S-Acylation of Enveloped Viruses. <i>Protein and Peptide Letters</i> , 2019 , 26, 588-600	1.9	5
131	Characterization of the 20S proteasome of the lepidopteran, <i>Spodoptera frugiperda</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019 , 1867, 840-853	4	1
130	eIF4G2 balances its own mRNA translation via a PCBP2-based feedback loop. <i>Rna</i> , 2019 , 25, 757-767	5.8	4
129	Reiterative Synthesis by the Ribosome and Recognition of the N-Terminal Formyl Group by Biosynthetic Machinery Contribute to Evolutionary Conservation of the Length of Antibiotic Microcin C Peptide Precursor. <i>MBio</i> , 2019 , 10,	7.8	6
128	codes for a mitochondrial peptide linking respiration and lipid metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 4940-4945	11.5	51
127	Novel applications of modification of thiol enzymes and redox-regulated proteins using S-methyl methanethiosulfonate (MTS). <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2019 , 1867, 140259	4.5	3
126	S-Acylation of Proteins. <i>Methods in Molecular Biology</i> , 2019 , 1934, 265-291	1.4	5
125	Scorpion toxins interact with nicotinic acetylcholine receptors. <i>FEBS Letters</i> , 2019 , 593, 2779-2789	3.8	6
124	Structure of ribosome-bound azole-modified peptide phazolicin rationalizes its species-specific mode of bacterial translation inhibition. <i>Nature Communications</i> , 2019 , 10, 4563	17.4	22
123	Oligoglutamylolation of E. coli ribosomal protein S6 is under growth phase control. <i>Biochimie</i> , 2019 , 167, 61-67	4.6	4
122	Surface characterization of the thermal remodeling helical plant virus. <i>PLoS ONE</i> , 2019 , 14, e0216905	3.7	4
121	Mutational analysis of the flavinylation and binding motifs in two protein targets of the flavin transferase ApbE. <i>FEMS Microbiology Letters</i> , 2019 , 366,	2.9	2
120	Architecture of Microcin B17 Synthetase: An Octameric Protein Complex Converting a Ribosomally Synthesized Peptide into a DNA Gyrase Poison. <i>Molecular Cell</i> , 2019 , 73, 749-762.e5	17.6	23

119	Direct detection of cysteine peptidases for MALDI-TOF MS analysis using fluorogenic substrates. <i>Analytical Biochemistry</i> , 2019 , 567, 45-50	3.1	3
118	Catalytically important flavin linked through a phosphoester bond in a eukaryotic fumarate reductase. <i>Biochimie</i> , 2018 , 149, 34-40	4.6	6
117	Biosynthesis of Translation Inhibitor Klebsazolicin Proceeds through Heterocyclization and N-Terminal Amidine Formation Catalyzed by a Single YcaO Enzyme. <i>Journal of the American Chemical Society</i> , 2018 , 140, 5625-5633	16.4	14
116	Phytaspase-mediated precursor processing and maturation of the wound hormone systemin. <i>New Phytologist</i> , 2018 , 218, 1167-1178	9.8	48
115	Isolated Potato Virus A coat protein possesses unusual properties and forms different short virus-like particles. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018 , 36, 1728-1738	3.6	6
114	Light-Induced Thiol Oxidation of Recoverin Affects Rhodopsin Desensitization. <i>Frontiers in Molecular Neuroscience</i> , 2018 , 11, 474	6.1	5
113	Application of Langmuir-Blodgett technology for the analysis of saturated fatty acids using the MALDI-TOF mass spectrometry. <i>Mendeleev Communications</i> , 2018 , 28, 337-339	1.9	3
112	Neutrophils Release Metalloproteinases during Adhesion in the Presence of Insulin, but Cathepsin G in the Presence of Glucagon. <i>Mediators of Inflammation</i> , 2018 , 2018, 1574928	4.3	10
111	Escherichia coli IttA is a type II toxin that inhibits translation by acetylating isoleucyl-tRNA ^{Leu} . <i>Nucleic Acids Research</i> , 2018 , 46, 7873-7885	20.1	21
110	Physicochemical Properties, Toxicity, and Specific Activity of a Follitropin Alpha Biosimilar. <i>Pharmaceutical Chemistry Journal</i> , 2017 , 50, 753-760	0.9	6
109	Oligomeric protein complexes of apolipoproteins stabilize the internal fluid environment of organism in redfins of the Tribolodon genus [Pisces; Cypriniformes, Cyprinidae]. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2017 , 22, 90-97	2	4
108	Thrombin-Mediated Degradation of Human Cardiac Troponin T. <i>Clinical Chemistry</i> , 2017 , 63, 1094-1100	5.5	42
107	Trastuzumab and Pertuzumab Plant Biosimilars: Modification of Asn297-linked Glycan of the mAbs Produced in a Plant with Fucosyltransferase and Xylosyltransferase Gene Knockouts. <i>Biochemistry (Moscow)</i> , 2017 , 82, 510-520	2.9	5
106	Dimerization of Tyr136Cys alpha-synuclein prevents amyloid transformation of wild type alpha-synuclein. <i>International Journal of Biological Macromolecules</i> , 2017 , 96, 35-43	7.9	13
105	The Origins of Specificity in the Microcin-Processing Protease TldD/E. <i>Structure</i> , 2017 , 25, 1549-1561.e5	5.2	20
104	Proteomic identification of protein markers of stages of heart formation in humans. <i>Russian Journal of Developmental Biology</i> , 2017 , 48, 301-306	0.8	
103	The Product of Yersinia pseudotuberculosis mcr Operon Is a Peptide-Cytidine Antibiotic Activated Inside Producing Cells by the TldD/E Protease. <i>Journal of the American Chemical Society</i> , 2017 , 139, 16178-16187	16.4	18
102	Mold Alkaloid Cytochalasin D Modifies the Morphology and Secretion of fMLP-, LPS-, or PMA-Stimulated Neutrophils upon Adhesion to Fibronectin. <i>Mediators of Inflammation</i> , 2017 , 2017, 4308684	4.3	5

101	Mechanisms of perioperative corneal abrasions: Alterations in the tear film proteome. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2017 , 11, 186-193	0.4	3
100	Klebsazolicin inhibits 70S ribosome by obstructing the peptide exit tunnel. <i>Nature Chemical Biology</i> , 2017 , 13, 1129-1136	11.7	32
99	A Trojan-Horse Peptide-Carboxymethyl-Cytidine Antibiotic from <i>Bacillus amyloliquefaciens</i> . <i>Journal of the American Chemical Society</i> , 2016 , 138, 15690-15698	16.4	18
98	Proteomics of the 26S proteasome in <i>Spodoptera frugiperda</i> cells infected with the nucleopolyhedrovirus, AcMNPV. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016 , 1864, 7384-746	4	5
97	Dipeptidyl peptidase 4 - An important digestive peptidase in <i>Tenebrio molitor</i> larvae. <i>Insect Biochemistry and Molecular Biology</i> , 2016 , 76, 38-48	4.5	12
96	Investigation of the complex antibiotic INA-5812. <i>Russian Journal of Bioorganic Chemistry</i> , 2016 , 42, 664-671	6	6
95	Effect of methylglyoxal modification on the structure and properties of human small heat shock protein HspB6 (Hsp20). <i>Cell Stress and Chaperones</i> , 2016 , 21, 617-29	4	6
94	Peptides from puff adder <i>Bitis arietans</i> venom, novel inhibitors of nicotinic acetylcholine receptors. <i>Toxicon</i> , 2016 , 121, 70-76	2.8	10
93	Sorting Out Antibiotics' Mechanisms of Action: a Double Fluorescent Protein Reporter for High-Throughput Screening of Ribosome and DNA Biosynthesis Inhibitors. <i>Antimicrobial Agents and Chemotherapy</i> , 2016 , 60, 7481-7489	5.9	39
92	Glutenase and collagenase activities of wheat cysteine protease Triticain-Feasibility for enzymatic therapy assays. <i>International Journal of Biochemistry and Cell Biology</i> , 2015 , 62, 115-24	5.6	30
91	Inhibition of the GTPase dynamin or actin depolymerisation initiates outward plasma membrane tubulation/vesiculation (cytoneme formation) in neutrophils. <i>Biology of the Cell</i> , 2015 , 107, 144-58	3.5	15
90	Reorganization of low-molecular-weight fraction of plasma proteins in the annual cycle of cyprinidae. <i>Biochemistry (Moscow)</i> , 2015 , 80, 208-18	2.9	6
89	Light-induced disulfide dimerization of recoverin under ex vivo and in vivo conditions. <i>Free Radical Biology and Medicine</i> , 2015 , 83, 283-95	7.8	16
88	Enzymatic Synthesis and Functional Characterization of Bioactive Microcin C-Like Compounds with Altered Peptide Sequence and Length. <i>Journal of Bacteriology</i> , 2015 , 197, 3133-41	3.5	9
87	Structural features of the low-molecular-weight plasma fraction in far eastern redfins of the genus <i>Tribolodon</i> and other cyprinid fishes. <i>Russian Journal of Marine Biology</i> , 2015 , 41, 60-68	0.7	2
86	Mutational robustness and resilience of a replicative cis-element of RNA virus: Promiscuity, limitations, relevance. <i>RNA Biology</i> , 2015 , 12, 1338-54	4.8	8
85	Substrate Specificity and Possible Heterologous Targets of Phytaspase, a Plant Cell Death Protease. <i>Journal of Biological Chemistry</i> , 2015 , 290, 24806-15	5.4	16
84	NqrM (DUF539) Protein Is Required for Maturation of Bacterial Na ⁺ -Translocating NADH:Quinone Oxidoreductase. <i>Journal of Bacteriology</i> , 2015 , 198, 655-63	3.5	7

83	Conformational changes in inter-trypsin inhibitor heavy chain 4 activate its tumor-specific activity in mice with B16 melanoma. <i>Molecular Medicine Reports</i> , 2015 , 12, 4483-4493	2.9	3
82	Ca ²⁺ -myristoyl switch in neuronal calcium sensor-1: a role of C-terminal segment. <i>CNS and Neurological Disorders - Drug Targets</i> , 2015 , 14, 437-51	2.6	9
81	Enzymatic synthesis of bioinformatically predicted microcin C-like compounds encoded by diverse bacteria. <i>MBio</i> , 2014 , 5, e01059-14	7.8	21
80	Vietnamese <i>Heterometrus laoticus</i> scorpion venom: evidence for analgesic and anti-inflammatory activity and isolation of new polypeptide toxin acting on Kv1.3 potassium channel. <i>Toxicon</i> , 2014 , 77, 40-8	2.8	21
79	Amicoumacin a inhibits translation by stabilizing mRNA interaction with the ribosome. <i>Molecular Cell</i> , 2014 , 56, 531-40	17.6	58
78	The molecular mechanism of aminopropylation of peptide-nucleotide antibiotic microcin C. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11168-75	16.4	18
77	The C-terminal part of microcin B is crucial for DNA gyrase inhibition and antibiotic uptake by sensitive cells. <i>Journal of Bacteriology</i> , 2014 , 196, 1759-67	3.5	6
76	Site-specific S-acylation of influenza virus hemagglutinin: the location of the acylation site relative to the membrane border is the decisive factor for attachment of stearate. <i>Journal of Biological Chemistry</i> , 2014 , 289, 34978-89	5.4	32
75	Alternative pyrimidine biosynthesis protein ApbE is a flavin transferase catalyzing covalent attachment of FMN to a threonine residue in bacterial flavoproteins. <i>Journal of Biological Chemistry</i> , 2013 , 288, 14276-14286	5.4	49
74	Structural investigation of influenza virus hemagglutinin membrane-anchoring peptide. <i>Protein Engineering, Design and Selection</i> , 2013 , 26, 547-52	1.9	19
73	Chemical polysialylation of human recombinant butyrylcholinesterase delivers a long-acting bioscavenger for nerve agents in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 1243-8	11.5	69
72	Mass spectrometry analysis of influenza virus reassortant clones does not reveal an influence of other viral proteins on S-acylation of hemagglutinin. <i>Archives of Virology</i> , 2013 , 158, 467-72	2.6	4
71	A nascent proteome study combining click chemistry with 2DE. <i>Proteomics</i> , 2013 , 13, 17-21	4.8	8
70	Palmitoylation of influenza virus proteins. <i>Biochemical Society Transactions</i> , 2013 , 41, 50-5	5.1	38
69	Modified nucleotides m(2)G966/m(5)C967 of Escherichia coli 16S rRNA are required for attenuation of tryptophan operon. <i>Scientific Reports</i> , 2013 , 3, 3236	4.9	9
68	Structure of microcin B-like compounds produced by <i>Pseudomonas syringae</i> and species specificity of their antibacterial action. <i>Journal of Bacteriology</i> , 2013 , 195, 4129-37	3.5	34
67	Isolation and characterization of a novel indigenous intestinal N4-related coliphage vB_EcoP_G7C. <i>Virology</i> , 2012 , 426, 93-9	3.6	44
66	Controlled trypsinolysis of human cancer and non-cancer sera for direct matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2012 , 325-327, 121-129	1.9	2

65	Non-stressful death of 23S rRNA mutant G2061C defective in puromycin reaction. <i>Journal of Molecular Biology</i> , 2012 , 416, 656-67	6.5	3
64	Mass spectrometric approaches to study enveloped viruses: new possibilities for structural biology and prophylactic medicine. <i>Biochemistry (Moscow)</i> , 2012 , 77, 830-42	2.9	7
63	Proteome analysis identified human neutrophil membrane tubulovesicular extensions (cytonemes, membrane tethers) as bactericide trafficking. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012 , 1820, 1705-14	4	17
62	The last rRNA methyltransferase of E. coli revealed: the yhiR gene encodes adenine-N6 methyltransferase specific for modification of A2030 of 23S ribosomal RNA. <i>Rna</i> , 2012 , 18, 1725-34	5.8	45
61	Purification and functional analysis of recombinant Acholeplasma laidlawii histone-like HU protein. <i>Biochimie</i> , 2011 , 93, 1102-9	4.6	13
60	Orthologues of a plant-specific At-4/1 gene in the genus Nicotiana and the structural properties of bacterially expressed 4/1 protein. <i>Biochimie</i> , 2011 , 93, 1770-8	4.6	9
59	Linker and/or transmembrane regions of influenza A/Group-1, A/Group-2, and type B virus hemagglutinins are packed differently within trimers. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011 , 1808, 1843-54	3.8	34
58	Influenza virus hemagglutinin spike neck architectures and interaction with model enzymes evaluated by MALDI-TOF mass spectrometry and bioinformatics tools. <i>Virus Research</i> , 2011 , 160, 294-304	6.4	15
57	Spatial structure peculiarities of influenza A virus matrix M1 protein in an acidic solution that simulates the internal lysosomal medium. <i>FEBS Journal</i> , 2011 , 278, 4905-16	5.7	22
56	Expression of catalytic antibodies in eukaryotic systems. <i>Molecular Biology</i> , 2011 , 45, 74-81	1.2	7
55	New allelic variant of triosephosphate isomerase found in cultured tumor cells of human prostate. <i>Molecular Genetics, Microbiology and Virology</i> , 2011 , 26, 14-20	0.4	1
54	Mycoplasma gallisepticum produces a histone-like protein that recognizes base mismatches in DNA. <i>Biochemistry</i> , 2011 , 50, 8692-702	3.2	20
53	Complete genome and proteome of Acholeplasma laidlawii. <i>Journal of Bacteriology</i> , 2011 , 193, 4943-53	3.5	49
52	A major portion of DNA gyrase inhibitor microcin B17 undergoes an N,O-peptidyl shift during synthesis. <i>Journal of Biological Chemistry</i> , 2011 , 286, 26308-18	5.4	14
51	The acylation state of surface lipoproteins of mollicute Acholeplasma laidlawii. <i>Journal of Biological Chemistry</i> , 2011 , 286, 22769-76	5.4	28
50	Core proteome of the minimal cell: comparative proteomics of three mollicute species. <i>PLoS ONE</i> , 2011 , 6, e21964	3.7	25
49	Proteomic characterization of Mycoplasma gallisepticum nanoforming. <i>Biochemistry (Moscow)</i> , 2010 , 75, 1252-7	2.9	2
48	The mechanism of microcin C resistance provided by the MccF peptidase. <i>Journal of Biological Chemistry</i> , 2010 , 285, 37944-52	5.4	30

47	Responses of <i>Acholeplasma laidlawii</i> PG8 cells to cold shock and oxidative stress: proteomic analysis and stress-reactive mycoplasma proteins. <i>Doklady Biochemistry and Biophysics</i> , 2010 , 432, 126-30	0.8	6
46	Functional divergence of <i>Helicobacter pylori</i> related to early gastric cancer. <i>Journal of Proteome Research</i> , 2010 , 9, 254-67	5.6	18
45	The role of intracellular glutathione in the progression of <i>Chlamydia trachomatis</i> infection. <i>Free Radical Biology and Medicine</i> , 2010 , 49, 1947-55	7.8	9
44	Site-specific attachment of palmitate or stearate to cytoplasmic versus transmembrane cysteines is a common feature of viral spike proteins. <i>Virology</i> , 2010 , 398, 49-56	3.6	35
43	Why do p-nitro-substituted aryl azides provide unintended dark reactions with proteins?. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2010 , 100, 19-29	6.7	1
42	Application of matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for the study of <i>Helicobacter pylori</i> . <i>Rapid Communications in Mass Spectrometry</i> , 2010 , 24, 328-34	2.2	35
41	The yfiC gene of <i>E. coli</i> encodes an adenine-N6 methyltransferase that specifically modifies A37 of tRNA ¹ Val(cmo5UAC). <i>Rna</i> , 2009 , 15, 1134-41	5.8	36
40	Proteome of the bacterium <i>Mycoplasma gallisepticum</i> . <i>Biochemistry (Moscow)</i> , 2009 , 74, 165-74	2.9	17
39	Tritium planigraphy study of structural alterations in the coat protein of Potato virus X induced by binding of its triple gene block 1 protein to virions. <i>FEBS Journal</i> , 2009 , 276, 7006-15	5.7	20
38	Adaptation of mycoplasmas to adverse environments: phytopathogenicity and peculiarities of protein expression of vegetative and nonculturable forms of <i>Mycoplasma gallisepticum</i> S6 cells. <i>Doklady Biochemistry and Biophysics</i> , 2009 , 428, 273-6	0.8	2
37	Isolation of the influenza A HA2 C-terminal segment by combination of nonionic detergents. <i>Advances in Experimental Medicine and Biology</i> , 2009 , 611, 311-2	3.6	4
36	Byproduct with altered fluorescent properties is formed during standard deprotection step of hexachlorofluorescein labeled oligonucleotides. <i>Bioconjugate Chemistry</i> , 2009 , 20, 1441-3	6.3	5
35	Domain organization of the N-terminal portion of hordeivirus movement protein TGBp1. <i>Journal of General Virology</i> , 2009 , 90, 3022-3032	4.9	30
34	The ybiN gene of <i>Escherichia coli</i> encodes adenine-N6 methyltransferase specific for modification of A1618 of 23 S ribosomal RNA, a methylated residue located close to the ribosomal exit tunnel. <i>Journal of Molecular Biology</i> , 2008 , 375, 291-300	6.5	52
33	S acylation of the hemagglutinin of influenza viruses: mass spectrometry reveals site-specific attachment of stearic acid to a transmembrane cysteine. <i>Journal of Virology</i> , 2008 , 82, 9288-92	6.6	80
32	Influenza A virus M1 protein structure probed by in situ limited proteolysis with bromelain. <i>Protein and Peptide Letters</i> , 2008 , 15, 922-30	1.9	16
31	Cold co-extraction of hemagglutinin and matrix M1 protein from influenza virus A by a combination of non-ionic detergents allows for visualization of the raft-like nature of the virus envelope. <i>Archives of Virology</i> , 2008 , 153, 1977-80	2.6	12
30	Naturally occurring disulfide-bound dimers of three-fingered toxins: a paradigm for biological activity diversification. <i>Journal of Biological Chemistry</i> , 2008 , 283, 14571-80	5.4	63

29	Age-related changes in albumin and actin of human myocardium. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2008 , 2, 160-165	0.4	
28	Determination of the Amino Acid Conflicts and amino acid substitutions in primary structures of 41 human proteins by the proteomic technologies. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2008 , 2, 325-334	0.4	0
27	Purification and primary structure of novel lipid transfer proteins from germinated lentil (<i>Lens culinaris</i>) seeds. <i>Biochemistry (Moscow)</i> , 2007 , 72, 430-8	2.9	17
26	Studies of the pathogenesis of slow neuroinfections using proteomic techniques. <i>Neurochemical Journal</i> , 2007 , 1, 318-325	0.5	1
25	Routes to covalent catalysis by reactive selection for nascent protein nucleophiles. <i>Journal of the American Chemical Society</i> , 2007 , 129, 16175-82	16.4	34
24	Isolation of influenza virus A hemagglutinin C-terminal domain by hemagglutinin proteolysis in octylglucoside micelles. <i>Protein and Peptide Letters</i> , 2006 , 13, 907-13	1.9	1
23	Autoantibodies to myelin basic protein catalyze site-specific degradation of their antigen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 281-6	11.5	144
22	Mass spectrometric sequencing and acylation character analysis of C-terminal anchoring segment from Influenza A hemagglutinin. <i>European Journal of Mass Spectrometry</i> , 2006 , 12, 51-62	1.1	35
21	Thioester Bond Liability: Study on Natural Influenza and Model Acylpeptides 2006 , 307-308		
20	Proteomic profiles of induced hepatotoxicity at the subcellular level. <i>Proteomics</i> , 2006 , 6, 4662-70	4.8	17
19	Two-dimensional electrophoretic proteome study of serum thermostable fraction from patients with various tumor conditions. <i>Biochemistry (Moscow)</i> , 2006 , 71, 354-60	2.9	37
18	Polymorphism of delta3,5-delta2,4-dienoyl-coenzyme A isomerase (the ECH1 gene product protein) in human striated muscle tissue. <i>Biochemistry (Moscow)</i> , 2006 , 71, 448-53	2.9	8
17	Synthesis of macrocycles containing two pyridine and two polyamine moieties via Pd-catalyzed amination. <i>Tetrahedron Letters</i> , 2006 , 47, 2691-2694	2	10
16	Peculiarities of hemoglobin interaction with serum proteins of mice with Ehrlich carcinoma. <i>Bulletin of Experimental Biology and Medicine</i> , 2006 , 141, 624-7	0.8	6
15	Application of Palladium-catalyzed Amination to the Synthesis of Polyazamacrocycles Containing 3,5-Disubstituted Pyridine. <i>Chemistry Letters</i> , 2005 , 34, 1100-1101	1.7	8
14	Palladium-Catalyzed Amination of 3,5-Dihalopyridines is a Convenient Route to New Polyazamacrocycles. <i>Helvetica Chimica Acta</i> , 2005 , 88, 1983-2002	2	20
13	Photoactivatable Analogues of the Initiating Substrates of RNA Polymerase II Based on Aryl Azide Derivatives of NTP γ -Amidophosphate: Synthesis and Chemical and Photochemical Reactions of Functional Groups. <i>Russian Journal of Bioorganic Chemistry</i> , 2005 , 31, 332-343	1	1
12	Ovarian cancer marker of 11.7 kDa detected by proteomics is a serum amyloid A1. <i>Proteomics</i> , 2005 , 5, 3790-7	4.8	96

11	Synthesis of New Polyazamacrocycles Incorporating the Pyridine Moiety. <i>Synlett</i> , 2005 , 2005, 87-90	2.2	14
10	N-Terminal segment of potato virus X coat protein subunits is glycosylated and mediates formation of a bound water shell on the virion surface. <i>FEBS Journal</i> , 2004 , 271, 3136-45		46
9	Comparative analysis of different typing methods for <i>Helicobacter pylori</i> clinical isolates. <i>Biochemistry (Moscow)</i> , 2004 , 69, 536-41	2.9	1
8	Database search post-processing by neural network: Advanced facilities for identification of components in protein mixtures using mass spectrometric peptide mapping. <i>Proteomics</i> , 2004 , 4, 633-42	4.8	17
7	Influenza A hemagglutinin C-terminal anchoring peptide: identification and mass spectrometric study. <i>Protein and Peptide Letters</i> , 2004 , 11, 385-91	1.9	16
6	Comparative analysis of proteome maps of <i>Helicobacter pylori</i> clinical isolates. <i>Biochemistry (Moscow)</i> , 2003 , 68, 42-9	2.9	33
5	Long-lived reactive intermediate photogenerated from N-(5-azido-2-nitrobenzoyl)-N'-(D-biotinyl)-1,2-diaminoethane as an affinity reagent to streptavidin. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2001 , 61, 68-77	6.7	1
4	Study of the chemical structures of the photo-cross-linking products between Tyr and the 5-azido-2-nitrobenzoyl residue. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2000 , 54, 16-25	6.7	5
3	Ca(2+)-mediated interaction between negatively charged and neutral liposomes. <i>FEBS Letters</i> , 1992 , 313, 169-72	3.8	2
2	Unprecedentedly efficient CUG initiation of an overlapping reading frame in POLGmRNA yields novel protein POLGARF		1
1	Phazolicin 1a Novel Thiazole/Oxazole-Modified Peptide Inhibiting the Bacterial Ribosome in a Species-Specific Way		1