

Rustam H Ziganshin

List of Publications by Citations

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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.

71 papers	915 citations	16 h-index	28 g-index
82 ext. papers	1,203 ext. citations	4.3 avg, IF	3.58 L-index

#	Paper	IF	Citations
71	S-glutathionylation of the Na,K-ATPase catalytic β subunit is a determinant of the enzyme redox sensitivity. <i>Journal of Biological Chemistry</i> , 2012 , 287, 32195-205	5.4	86
70	Structural basis for HIV-1 DNA integration in the human genome, role of the LEDGF/P75 cofactor. <i>EMBO Journal</i> , 2009 , 28, 980-91	13	83
69	Genetically encodable bioluminescent system from fungi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 12728-12732	11.5	77
68	Proteome-metabolome profiling of ovarian cancer ascites reveals novel components involved in intercellular communication. <i>Molecular and Cellular Proteomics</i> , 2014 , 13, 3558-71	7.6	76
67	Predicted bacteriorhodopsin from <i>Exiguobacterium sibiricum</i> is a functional proton pump. <i>FEBS Letters</i> , 2010 , 584, 4193-6	3.8	49
66	Ultrahigh-throughput functional profiling of microbiota communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9551-9556	11.5	43
65	Quantitative proteomic analysis of Vietnamese krait venoms: Neurotoxins are the major components in <i>Bungarus multicinctus</i> and phospholipases A2 in <i>Bungarus fasciatus</i> . <i>Toxicon</i> , 2015 , 107, 197-209	2.8	40
64	Specific pools of endogenous peptides are present in gametophore, protonema, and protoplast cells of the moss <i>Physcomitrella patens</i> . <i>BMC Plant Biology</i> , 2015 , 15, 87	5.3	31
63	cDNA cloning, structural, and functional analyses of venom phospholipases A ₂ and a Kunitz-type protease inhibitor from steppe viper <i>Vipera ursinii renardi</i> . <i>Toxicon</i> , 2011 , 57, 332-41	2.8	28
62	The Pathogenesis of the Demyelinating Form of Guillain-Barre Syndrome (GBS): Proteo-peptidomic and Immunological Profiling of Physiological Fluids. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 2366-78	7.6	24
61	Cysteine-rich venom proteins from the snakes of Viperinae subfamily - molecular cloning and phylogenetic relationship. <i>Toxicon</i> , 2009 , 53, 162-8	2.8	23
60	Neokyotorphin and neokyotorphin (1-4): cytolytic activity and comparative levels in rat tissues. <i>Biochemical and Biophysical Research Communications</i> , 1996 , 224, 721-7	3.4	22
59	Quantitative Proteomic Analysis of Venoms from Russian Vipers of Pelias Group: Phospholipases A ₂ are the Main Venom Components. <i>Toxins</i> , 2016 , 8, 105	4.9	22
58	Interaction of alpha-conotoxin ImII and its analogs with nicotinic receptors and acetylcholine-binding proteins: additional binding sites on Torpedo receptor. <i>Journal of Neurochemistry</i> , 2009 , 111, 934-44	6	19
57	Bioluminescence chemistry of fireworm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 18911-18916	11.5	18
56	New method for peptide desorption from abundant blood proteins for plasma/serum peptidome analyses by mass spectrometry. <i>Journal of Proteomics</i> , 2011 , 74, 595-606	3.9	17
55	Neokyotorphin and neokyotorphin (1-4): secretion by erythrocytes and regulation of tumor cell growth. <i>FEBS Letters</i> , 1997 , 414, 125-8	3.8	16

54	Amyloidogenic peptides of yeast cell wall glucantransferase Bgl2p as a model for the investigation of its pH-dependent fibril formation. <i>Prion</i> , 2013 , 7, 175-84	2.3	15
53	Novel long-chain neurotoxins from distinguish the two binding sites in muscle-type nicotinic acetylcholine receptors. <i>Biochemical Journal</i> , 2019 , 476, 1285-1302	3.8	13
52	The effect of some peptides from the hibernating brain on Ca ²⁺ current in cardiac cells and on the activity of septal neurons. <i>FEBS Letters</i> , 1997 , 411, 71-6	3.8	13
51	Novel Hyperthermophilic Crenarchaeon sp. nov. Uses GH1, GH3, and Two Novel Glycosidases for Cellulose Hydrolysis. <i>Frontiers in Microbiology</i> , 2019 , 10, 2972	5.7	12
50	Bovine serum albumin as a universal suppressor of non-specific peptide binding in vials prior to nano-chromatography coupled mass-spectrometry analysis. <i>Analytica Chimica Acta</i> , 2015 , 893, 57-64	6.6	10
49	Proteomics-based identification of hypoxia-sensitive membrane-bound proteins in rat erythrocytes. <i>Journal of Proteomics</i> , 2018 , 184, 25-33	3.9	10
48	Proximity-dependent biotin labelling reveals CP190 as an EcR/Usp molecular partner. <i>Scientific Reports</i> , 2020 , 10, 4793	4.9	9
47	Effect of Reduction of Redox Modifications of Cys-Residues in the Na,K-ATPase α -Subunit on Its Activity. <i>Biomolecules</i> , 2017 , 7,	5.9	9
46	Phospholipase A from krait venom induces human cancer cell death in vitro. <i>PeerJ</i> , 2019 , 7, e8055	3.1	9
45	Mediators and Biomarkers of Inflammation in Meningitis: Cytokine and Peptidome Profiling of Cerebrospinal Fluid. <i>Biochemistry (Moscow)</i> , 2016 , 81, 1293-1302	2.9	9
44	Structure of the green fluorescent protein NowGFP with an anionic tryptophan-based chromophore. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015 , 71, 1699-707		8
43	Oligopeptidase B from <i>Serratia proteamaculans</i> . I. Determination of primary structure, isolation, and purification of wild-type and recombinant enzyme variants. <i>Biochemistry (Moscow)</i> , 2009 , 74, 1164-72	2.9	8
42	Protective Allele for Multiple Sclerosis HLA-DRB1*01:01 Provides Kinetic Discrimination of Myelin and Exogenous Antigenic Peptides. <i>Frontiers in Immunology</i> , 2019 , 10, 3088	8.4	7
41	New Development in the Solid-State Isotope Exchange with Spillover Hydrogen in Organic Compounds. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 16878-16884	3.8	7
40	Novel peptide chemistry in terrestrial animals: natural luciferin analogues from the bioluminescent earthworm <i>Fridericia heliota</i> . <i>Chemistry - A European Journal</i> , 2015 , 21, 3942-7	4.8	7
39	Identification, functional and structural characterization of novel aminoglycoside phosphotransferase APH(3?)-Id from <i>Streptomyces rimosus</i> subsp. <i>rimosus</i> ATCC 10970. <i>Archives of Biochemistry and Biophysics</i> , 2019 , 671, 111-122	4.1	6
38	Chaperone Skp from <i>Yersinia pseudotuberculosis</i> exhibits immunoglobulin G binding ability. <i>Biochemistry (Moscow)</i> , 2009 , 74, 406-15	2.9	6
37	State-dependent effects of some neuropeptides and neurotransmitters on neuronal activity of the medial septal area in brain slices of the ground squirrel, <i>Citellus undulatus</i> . <i>Neuroscience</i> , 2000 , 96, 791-803	3.9	6

36	Novel Bradykinin-Potentiating Peptides and Three-Finger Toxins from Viper Venom: Combined NGS Venom Gland Transcriptomics and Quantitative Venom Proteomics of the Viper. <i>Biomedicines</i> , 2020 , 8,	4.8	6
35	A vast pool of lineage-specific microproteins encoded by long non-coding RNAs in plants. <i>Nucleic Acids Research</i> , 2021 , 49, 10328-10346	20.1	5
34	Intraspecific Variability in the Composition of the Venom from Monocled Cobra (<i>Naja kaouthia</i>). <i>Russian Journal of Bioorganic Chemistry</i> , 2019 , 45, 107-121	1	4
33	The Role of O-Antigen in LPS-Induced Activation of Human NK Cells. <i>Journal of Immunology Research</i> , 2019 , 2019, 3062754	4.5	4
32	Formation of coordination compounds in gadolinium-loaded liquid organic scintillators (GdLS): Use of mixed-ligand gadolinium complexes in GdLS preparation. <i>Russian Journal of Inorganic Chemistry</i> , 2009 , 54, 1082-1089	1.5	4
31	Solid state isotopic exchange of hydrogen in proteins and peptides. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2007 , 50, 483-486	1.9	4
30	LC-MS/MS analysis of lesional and normally looking psoriatic skin reveals significant changes in protein metabolism and RNA processing. <i>PLoS ONE</i> , 2021 , 16, e0240956	3.7	4
29	Venoms of kraits <i>Bungarus multicinctus</i> and <i>Bungarus fasciatus</i> contain anticoagulant proteins. <i>Doklady Biochemistry and Biophysics</i> , 2015 , 460, 53-8	0.8	3
28	Screening Snake Venoms for Toxicity to Revealed Anti-Protozoan Activity of Cobra Cytotoxins. <i>Toxins</i> , 2020 , 12,	4.9	3
27	Nonconventional three-finger toxin BMLCL from krait <i>Bungarus multicinctus</i> venom with high affinity interacts with nicotinic acetylcholine receptors. <i>Doklady Biochemistry and Biophysics</i> , 2015 , 464, 294-7	0.8	3
26	Comprehensive Atlas of the Myelin Basic Protein Interaction Landscape. <i>Biomolecules</i> , 2021 , 11,	5.9	3
25	Data on proteome of cultivated with arginine or thymidine as a carbon source. <i>Data in Brief</i> , 2020 , 31, 106034	1.2	3
24	Small RNA MTS1338 Confers Pathogenic Properties to Non-Pathogenic. <i>Microorganisms</i> , 2021 , 9,	4.9	3
23	Arrested in Glass: Actin within Sophisticated Architectures of Biosilica in Sponges.. <i>Advanced Science</i> , 2022 , e2105059	13.6	3
22	Hepatitis C Virus RNA-Dependent RNA Polymerase Is Regulated by Cysteine S-Glutathionylation. <i>Oxidative Medicine and Cellular Longevity</i> , 2019 , 2019, 3196140	6.7	2
21	Optimization of Method for Human Sex Determination Using Peptidome Analysis of Teeth Enamel from Teeth of Different Biological Generation, Archeological Age, and Degrees of Taphonomic Preservation. <i>Biochemistry (Moscow)</i> , 2020 , 85, 614-622	2.9	2
20	Phage PaBG-A Jumbo Member of an Old Parasite Family. <i>Viruses</i> , 2020 , 12,	6.2	2
19	Growth-dependent release of carbohydrate metabolism-related and antioxidant enzymes from <i>Staphylococcus aureus</i> strain 6 as determined by proteomic analysis. <i>Experimental and Therapeutic Medicine</i> , 2011 , 2, 1199-1204	2.1	2

18	Poly(ADP-ribosyl)ation of mannose-binding lectin out of human kidney cells. <i>Molecular and Cellular Biochemistry</i> , 2011 , 352, 231-8	4.2	2
17	GPI-Modified Proteins Non-covalently Attached to <i>Saccharomyces cerevisiae</i> Yeast Cell Wall. <i>Biochemistry (Moscow)</i> , 2019 , 84, 1513-1520	2.9	2
16	Peptidomic Workflow Applied to Cerebrospinal Fluid Analysis. <i>Methods in Molecular Biology</i> , 2019 , 2044, 111-118	1.4	1
15	Enhancement of Na,K-ATPase Activity as a Result of Removal of Redox Modifications from Cysteine Residues of the α Subunit: the Effect of Reducing Agents. <i>Molecular Biology</i> , 2018 , 52, 247-250	1.2	1
14	Scope and limitations of MALDI-TOF MS blood serum peptide profiling in cancer diagnostics. <i>Russian Journal of Bioorganic Chemistry</i> , 2016 , 42, 497-505	1	1
13	Optimization of Conditions for Blood Plasma Peptidome Analysis. <i>Russian Journal of Bioorganic Chemistry</i> , 2018 , 44, 289-295	1	1
12	The Hibernation-Related Peptide TSKY Acts as a Neuroprotector in Cultured Pond Snail Neurons 2012 , 201-210		1
11	Levels of the Hierarchical Organization of Protein Sequences: An Analysis of Entropy Characteristics. <i>Biophysics (Russian Federation)</i> , 2020 , 65, 907-912	0.7	1
10	Crystal Structure of the putative tail fiber protein gp53 from the <i>Acinetobacter baumannii</i> bacteriophage AP22		1
9	The Post-Translational Modifications, Localization, and Mode of Attachment of Non-Covalently Bound Glucanotransglycosylases of Yeast Cell Wall as a Key to Understanding their Functioning. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	1
8	Possible role of small secreted peptides (SSPs) in immune signaling in bryophytes. <i>Plant Molecular Biology</i> , 2021 , 106, 123-143	4.6	1
7	Hierarchical Structure of Protein Sequence. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
6	Dimeric Disintegrins from the Steppe Viper <i>V. ursinii</i> Venom. <i>Doklady Biochemistry and Biophysics</i> , 2019 , 488, 338-341	0.8	0
5	Increased Synthesis of a Magnesium Transporter MgtA During Recombinant Autotransporter Expression in <i>Escherichia coli</i> . <i>Applied Biochemistry and Biotechnology</i> , 2021 , 193, 3672-3703	3.2	0
4	Peptide TSKY Decelerates Outcome of the Ground Squirrel from Hibernation. <i>Journal of Evolutionary Biochemistry and Physiology</i> , 2001 , 37, 266-272	0.5	
3	Snake Toxins Labeled by Green Fluorescent Protein or Its Synthetic Chromophore are New Probes for Nicotinic acetylcholine Receptors.. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 753283	5.6	
2	The Neuroprotective Effect of the ThrSerLysTyr Peptide in a Goldfish Mauthner Cell Model in vivo. <i>Biophysics (Russian Federation)</i> , 2018 , 63, 201-206	0.7	
1	Data on nucleoid-associated proteins isolated from after intracellular infection. <i>Data in Brief</i> , 2021 , 38, 107289	1.2	

