

# Rustam H Ziganshin

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/6191048/rustam-h-ziganshin-publications-by-year.pdf>  
**Version:** 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
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	Arrested in Glass: Actin within Sophisticated Architectures of Biosilica in Sponges.. <i>Advanced Science</i> , <b>2022</b> , e2105059	13.6	3
70	Comprehensive Atlas of the Myelin Basic Protein Interaction Landscape. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	3
69	Snake Toxins Labeled by Green Fluorescent Protein or Its Synthetic Chromophore are New Probes for Nicotinic acetylcholine Receptors.. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 753283	5.6	
68	Possible role of small secreted peptides (SSPs) in immune signaling in bryophytes. <i>Plant Molecular Biology</i> , <b>2021</b> , 106, 123-143	4.6	1
67	LC-MS/MS analysis of lesional and normally looking psoriatic skin reveals significant changes in protein metabolism and RNA processing. <i>PLoS ONE</i> , <b>2021</b> , 16, e0240956	3.7	4
66	Small RNA MTS1338 Confers Pathogenic Properties to Non-Pathogenic. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	3
65	Hierarchical Structure of Protein Sequence. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
64	Increased Synthesis of a Magnesium Transporter MgtA During Recombinant Autotransporter Expression in Escherichia coli. <i>Applied Biochemistry and Biotechnology</i> , <b>2021</b> , 193, 3672-3703	3.2	0
63	A vast pool of lineage-specific microproteins encoded by long non-coding RNAs in plants. <i>Nucleic Acids Research</i> , <b>2021</b> , 49, 10328-10346	20.1	5
62	Data on nucleoid-associated proteins isolated from after intracellular infection. <i>Data in Brief</i> , <b>2021</b> , 38, 107289	1.2	
61	Screening Snake Venoms for Toxicity to Revealed Anti-Protozoan Activity of Cobra Cytotoxins. <i>Toxins</i> , <b>2020</b> , 12,	4.9	3
60	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> , <b>2020</b> , 85, 614-622	2.9	2
59	Proximity-dependent biotin labelling reveals CP190 as an EcR/Usp molecular partner. <i>Scientific Reports</i> , <b>2020</b> , 10, 4793	4.9	9
58	Phage PaBG-A Jumbo Member of an Old Parasite Family. <i>Viruses</i> , <b>2020</b> , 12,	6.2	2
57	Levels of the Hierarchical Organization of Protein Sequences: An Analysis of Entropy Characteristics. <i>Biophysics (Russian Federation)</i> , <b>2020</b> , 65, 907-912	0.7	1
56	Data on proteome of cultivated with arginine or thymidine as a carbon source. <i>Data in Brief</i> , <b>2020</b> , 31, 106034	1.2	3
55	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> , <b>2020</b> , 21,	6.3	1

54	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> , <b>2020</b> , 8,	4.8	6
53	Peptidomic Workflow Applied to Cerebrospinal Fluid Analysis. <i>Methods in Molecular Biology</i> , <b>2019</b> , 2044, 111-118	1.4	1
52	Hepatitis C Virus RNA-Dependent RNA Polymerase Is Regulated by Cysteine S-Glutathionylation. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2019</b> , 2019, 3196140	6.7	2
51	Bioluminescence chemistry of fireworm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 18911-18916	11.5	18
50	Intraspecific Variability in the Composition of the Venom from Monocled Cobra ( <i>Naja kaouthia</i> ). <i>Russian Journal of Bioorganic Chemistry</i> , <b>2019</b> , 45, 107-121	1	4
49	The Role of O-Antigen in LPS-Induced Activation of Human NK Cells. <i>Journal of Immunology Research</i> , <b>2019</b> , 2019, 3062754	4.5	4
48	Novel long-chain neurotoxins from distinguish the two binding sites in muscle-type nicotinic acetylcholine receptors. <i>Biochemical Journal</i> , <b>2019</b> , 476, 1285-1302	3.8	13
47	Protective Allele for Multiple Sclerosis HLA-DRB1*01:01 Provides Kinetic Discrimination of Myelin and Exogenous Antigenic Peptides. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 3088	8.4	7
46	Novel Hyperthermophilic Crenarchaeon sp. nov. Uses GH1, GH3, and Two Novel Glycosidases for Cellulose Hydrolysis. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2972	5.7	12
45	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> , <b>2019</b> , 671, 111-122	4.1	6
44	Phospholipase A from krait venom induces human cancer cell death in vitro. <i>PeerJ</i> , <b>2019</b> , 7, e8055	3.1	9
43	Dimeric Disintegrins from the Steppe Viper <i>V. ursinii</i> Venom. <i>Doklady Biochemistry and Biophysics</i> , <b>2019</b> , 488, 338-341	0.8	0
42	GPI-Modified Proteins Non-covalently Attached to <i>Saccharomyces cerevisiae</i> Yeast Cell Wall. <i>Biochemistry (Moscow)</i> , <b>2019</b> , 84, 1513-1520	2.9	2
41	Enhancement of Na,K-ATPase Activity as a Result of Removal of Redox Modifications from Cysteine Residues of the $\alpha$ Subunit: the Effect of Reducing Agents. <i>Molecular Biology</i> , <b>2018</b> , 52, 247-250	1.2	1
40	Proteomics-based identification of hypoxia-sensitive membrane-bound proteins in rat erythrocytes. <i>Journal of Proteomics</i> , <b>2018</b> , 184, 25-33	3.9	10
39	Optimization of Conditions for Blood Plasma Peptidome Analysis. <i>Russian Journal of Bioorganic Chemistry</i> , <b>2018</b> , 44, 289-295	1	1
38	The Neuroprotective Effect of the ThrSerLysTyr Peptide in a Goldfish Mauthner Cell Model in vivo. <i>Biophysics (Russian Federation)</i> , <b>2018</b> , 63, 201-206	0.7	
37	Genetically encodable bioluminescent system from fungi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 12728-12732	11.5	77

36	Ultrahigh-throughput functional profiling of microbiota communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 9551-9556	11.5	43
35	Effect of Reduction of Redox Modifications of Cys-Residues in the Na,K-ATPase $\beta$ -Subunit on Its Activity. <i>Biomolecules</i> , <b>2017</b> , 7,	5.9	9
34	Scope and limitations of MALDI-TOF MS blood serum peptide profiling in cancer diagnostics. <i>Russian Journal of Bioorganic Chemistry</i> , <b>2016</b> , 42, 497-505	1	1
33	Quantitative Proteomic Analysis of Venoms from Russian Vipers of Pelias Group: Phospholipases A $\alpha$ are the Main Venom Components. <i>Toxins</i> , <b>2016</b> , 8, 105	4.9	22
32	Mediators and Biomarkers of Inflammation in Meningitis: Cytokine and Peptidome Profiling of Cerebrospinal Fluid. <i>Biochemistry (Moscow)</i> , <b>2016</b> , 81, 1293-1302	2.9	9
31	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> , <b>2016</b> , 15, 2366-78	7.6	24
30	Structure of the green fluorescent protein NowGFP with an anionic tryptophan-based chromophore. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2015</b> , 71, 1699-707		8
29	Venoms of kraits <i>Bungarus multicinctus</i> and <i>Bungarus fasciatus</i> contain anticoagulant proteins. <i>Doklady Biochemistry and Biophysics</i> , <b>2015</b> , 460, 53-8	0.8	3
28	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> , <b>2015</b> , 15, 87	5.3	31
27	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> , <b>2015</b> , 107, 197-209	2.8	40
26	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> , <b>2015</b> , 893, 57-64	6.6	10
25	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> , <b>2015</b> , 464, 294-7	0.8	3
24	Novel peptide chemistry in terrestrial animals: natural luciferin analogues from the bioluminescent earthworm <i>Fridericia heliota</i> . <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 3942-7	4.8	7
23	Proteome-metabolome profiling of ovarian cancer ascites reveals novel components involved in intercellular communication. <i>Molecular and Cellular Proteomics</i> , <b>2014</b> , 13, 3558-71	7.6	76
22	New Development in the Solid-State Isotope Exchange with Spillover Hydrogen in Organic Compounds. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 16878-16884	3.8	7
21	Amyloidogenic peptides of yeast cell wall glucantransferase Bgl2p as a model for the investigation of its pH-dependent fibril formation. <i>Prion</i> , <b>2013</b> , 7, 175-84	2.3	15
20	S-glutathionylation of the Na,K-ATPase catalytic $\beta$ -subunit is a determinant of the enzyme redox sensitivity. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 32195-205	5.4	86
19	The Hibernation-Related Peptide TSKY Acts as a Neuroprotector in Cultured Pond Snail Neurons <b>2012</b> , 201-210		1

18	cDNA cloning, structural, and functional analyses of venom phospholipases A <sub>2</sub> and a Kunitz-type protease inhibitor from steppe viper <i>Vipera ursinii renardi</i> . <i>Toxicon</i> , <b>2011</b> , 57, 332-41	2.8	28
17	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> , <b>2011</b> , 2, 1199-1204	2.1	2
16	Poly(ADP-ribosyl)ation of mannose-binding lectin out of human kidney cells. <i>Molecular and Cellular Biochemistry</i> , <b>2011</b> , 352, 231-8	4.2	2
15	New method for peptide desorption from abundant blood proteins for plasma/serum peptidome analyses by mass spectrometry. <i>Journal of Proteomics</i> , <b>2011</b> , 74, 595-606	3.9	17
14	Predicted bacteriorhodopsin from <i>Exiguobacterium sibiricum</i> is a functional proton pump. <i>FEBS Letters</i> , <b>2010</b> , 584, 4193-6	3.8	49
13	Structural basis for HIV-1 DNA integration in the human genome, role of the LEDGF/P75 cofactor. <i>EMBO Journal</i> , <b>2009</b> , 28, 980-91	13	83
12	Chaperone Skp from <i>Yersinia pseudotuberculosis</i> exhibits immunoglobulin G binding ability. <i>Biochemistry (Moscow)</i> , <b>2009</b> , 74, 406-15	2.9	6
11	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> , <b>2009</b> , 74, 1164-72	2.9	8
10	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> , <b>2009</b> , 111, 934-44	6	19
9	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> , <b>2009</b> , 54, 1082-1089	1.5	4
8	Cysteine-rich venom proteins from the snakes of Viperinae subfamily - molecular cloning and phylogenetic relationship. <i>Toxicon</i> , <b>2009</b> , 53, 162-8	2.8	23
7	Solid state isotopic exchange of hydrogen in proteins and peptides. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>2007</b> , 50, 483-486	1.9	4
6	Peptide TSKY Decelerates Outcome of the Ground Squirrel from Hibernation. <i>Journal of Evolutionary Biochemistry and Physiology</i> , <b>2001</b> , 37, 266-272	0.5	
5	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> , <b>2000</b> , 96, 791-803	3.9	6
4	The effect of some peptides from the hibernating brain on Ca <sup>2+</sup> current in cardiac cells and on the activity of septal neurons. <i>FEBS Letters</i> , <b>1997</b> , 411, 71-6	3.8	13
3	Neokyotorphin and neokyotorphin (1-4): secretion by erythrocytes and regulation of tumor cell growth. <i>FEBS Letters</i> , <b>1997</b> , 414, 125-8	3.8	16
2	Neokyotorphin and neokyotorphin (1-4): cytolytic activity and comparative levels in rat tissues. <i>Biochemical and Biophysical Research Communications</i> , <b>1996</b> , 224, 721-7	3.4	22
1	Crystal Structure of the putative tail fiber protein gp53 from the <i>Acinetobacter baumannii</i> bacteriophage AP22		1

