

# vladimir Bogush

## List of Publications by Citations

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34  
papers

442  
citations

12  
h-index

20  
g-index

39  
ext. papers

535  
ext. citations

2.8  
avg, IF

2.99  
L-index

#	Paper	IF	Citations
34	A novel model system for design of biomaterials based on recombinant analogs of spider silk proteins. <i>Journal of NeuroImmune Pharmacology</i> , <b>2009</b> , 4, 17-27	6.9	63
33	Tissue regeneration in vivo within recombinant spidroin 1 scaffolds. <i>Biomaterials</i> , <b>2012</b> , 33, 3887-98	15.6	53
32	Three-dimensional scaffold made from recombinant spider Silk protein for tissue engineering. <i>Doklady Biochemistry and Biophysics</i> , <b>2009</b> , 426, 127-30	0.8	36
31	In vitro and in vivo biocompatibility studies of a recombinant analogue of spidroin 1 scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2011</b> , 96, 125-31	5.4	35
30	Tissue Engineered Neural Constructs Composed of Neural Precursor Cells, Recombinant Spidroin and PRP for Neural Tissue Regeneration. <i>Scientific Reports</i> , <b>2019</b> , 9, 3161	4.9	28
29	Use of buckwheat seed protease inhibitor gene for improvement of tobacco and potato plant resistance to biotic stress. <i>Biochemistry (Moscow)</i> , <b>2009</b> , 74, 260-7	2.9	23
28	Construction of Synthetic Genes for Analogs of Spider Silk Spidroin 1 and Their Expression in Tobacco Plants. <i>Molecular Biology</i> , <b>2003</b> , 37, 554-560	1.2	20
27	Novel Biodegradable Polymeric Microparticles Facilitate Scarless Wound Healing by Promoting Re-epithelialization and Inhibiting Fibrosis. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 2851	8.4	19
26	Functional analysis of the engineered cardiac tissue grown on recombinant spidroin fiber meshes. <i>PLoS ONE</i> , <b>2015</b> , 10, e0121155	3.7	15
25	Creation of a producent, optimization of expression, and purification of recombinant Yersinia pseudotuberculosis L-asparaginase. <i>Bulletin of Experimental Biology and Medicine</i> , <b>2011</b> , 152, 219-23	0.8	15
24	Fabrication of hydrogel scaffolds via photocrosslinking of methacrylated silk fibroin. <i>Biomedical Materials (Bristol)</i> , <b>2019</b> , 14, 034102	3.5	14
23	Novel 3D-microcarriers from recombinant spidroin for regenerative medicine. <i>Doklady Biochemistry and Biophysics</i> , <b>2015</b> , 463, 232-5	0.8	14
22	Fermentation optimization of a <i>Saccharomyces cerevisiae</i> strain producing 1F9 recombinant spidroin. <i>Applied Biochemistry and Microbiology</i> , <b>2015</b> , 51, 766-773	1.1	12
21	3D nanostructural analysis of silk fibroin and recombinant spidroin 1 scaffolds by scanning probe nanotomography. <i>RSC Advances</i> , <b>2014</b> , 4, 60943-60947	3.7	12
20	Recombinant Spidroins as the Basis for New Materials. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 3745-3761	5.5	11
19	Interaction of recombinant analogs of spider silk proteins 1F9 and 2E12 with phospholipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2010</b> , 1798, 1172-8	3.8	9
18	Biodegradable matrices from regenerated silk of <i>Bombix mori</i> . <i>Doklady Biochemistry and Biophysics</i> , <b>2010</b> , 433, 201-4	0.8	8

17	The formation of a quaternary structure by recombinant analogs of spider silk proteins. <i>Molecular Biology</i> , <b>2010</b> , 44, 150-157	1.2	6
16	Spidroin Silk Fibers with Bioactive Motifs of Extracellular Proteins for Neural Tissue Engineering. <i>ACS Omega</i> , <b>2021</b> , 6, 15264-15273	3.9	6
15	Recombinant 1F9 spidroin microgels for murine full-thickness wound repairing. <i>Doklady Biochemistry and Biophysics</i> , <b>2016</b> , 466, 9-12	0.8	5
14	Recombinant analogue of spidroin 2 for biomedical materials. <i>Doklady Biochemistry and Biophysics</i> , <b>2011</b> , 441, 276-9	0.8	4
13	Characterization of biodegradable cell micro and macro carriers based on recombinant spidroin. <i>Applied Biochemistry and Microbiology</i> , <b>2014</b> , 50, 780-788	1.1	3
12	Study of lamellae of a recombinant spider-web protein by atomic force microscopy. <i>Biophysics (Russian Federation)</i> , <b>2011</b> , 56, 3-7	0.7	3
11	Left helix of polyproline II type and genesis of $\beta$ structures in spidroins 1 and 2 and their recombinant analogs. <i>Biophysics (Russian Federation)</i> , <b>2009</b> , 54, 271-274	0.7	3
10	Effects of Recombinant Spidroin rS1/9 on Brain Neural Progenitors After Photothrombosis-Induced Ischemia. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 823	5.7	3
9	Photocurable Hydrogels Containing Spidroin or Fibroin. <i>Moscow University Biological Sciences Bulletin</i> , <b>2018</b> , 73, 24-27	0.5	2
8	Molecular genetic analysis of collection of transgenic tobacco plants with buckwheat serine proteases inhibitor gene during long-term subculture. <i>Russian Journal of Genetics</i> , <b>2017</b> , 53, 1200-1210	0.6	2
7	COMPARATIVE ANALYSIS OF THREE-DIMENSIONAL NANOSTRUCTURE OF POROUS BIOCOMPATIBLE SCAFFOLDS MADE OF RECOMBINANT SPIDROIN AND SILK FIBROIN FOR REGENERATIVE MEDICINE. <i>Vestnik Transplantologii I Iskusstvennykh Organov</i> , <b>2015</b> , 17, 37-44	0.3	2
6	Akt and Src mediate the photocrosslinked fibroin-induced neural differentiation. <i>NeuroReport</i> , <b>2020</b> , 31, 770-775	1.7	1
5	Photocurable Films Based on Fibroin and Gelatin for Skin Regeneration. <i>Moscow University Biological Sciences Bulletin</i> , <b>2020</b> , 75, 20-25	0.5	1
4	Recombinant Spidroin Films Attenuate Individual Markers of Glucose Induced Aging in NIH 3T3 Fibroblasts. <i>Biochemistry (Moscow)</i> , <b>2020</b> , 85, 808-819	2.9	1
3	Nonwoven spidroin materials as scaffolds for cultivation of aortic fragments and dorsal root ganglia.. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2022</b> , 1-16	3.5	1
2	Comparative Analysis of Transgenic Tobacco Plants with Different Heterologic Plant Defensive Genes. <i>Russian Journal of Genetics</i> , <b>2020</b> , 56, 307-316	0.6	
1	A study of biomedical properties of hydrogels based on recombinant spidroin after their sterilization. <i>Polymer Science - Series D</i> , <b>2016</b> , 9, 219-222	0.4	