

# Dmitry V Zlenko

## 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.

50  
papers

445  
citations

12  
h-index

19  
g-index

55  
ext. papers

581  
ext. citations

3  
avg, IF

3.95  
L-index

#	Paper	IF	Citations
50	Molecular Self-Assembly as a Trigger of Life Origin and Development.. <i>Origins of Life and Evolution of Biospheres</i> , <b>2022</b> , 1	1.5	1
49	On the orientation of the chains in the mercerized cellulose. <i>Scientific Reports</i> , <b>2021</b> , 11, 8765	4.9	3
48	Role of hydrogen bond alternation and charge transfer states in photoactivation of the Orange Carotenoid Protein. <i>Communications Biology</i> , <b>2021</b> , 4, 539	6.7	6
47	Antiviral potential of plant polysaccharide nanoparticles actuating non-specific immunity. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 182, 743-749	7.9	0
46	State of the phycobilisome determines effective absorption cross-section of Photosystem II in <i>Synechocystis</i> sp. PCC 6803. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2021</b> , 1862, 148494	4.6	2
45	Antiviral activity of the high-molecular-weight plant polysaccharides (Panavir®). <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 161, 936-938	7.9	11
44	Friction Force Limits the Drift of Microparticles Along the Quantum Vortex in Liquid Helium. <i>Journal of Low Temperature Physics</i> , <b>2020</b> , 200, 91-101	1.3	2
43	Structure and properties of helical fibers spun from cellulose solutions in [B]Cl. <i>Carbohydrate Polymers</i> , <b>2020</b> , 235, 115866	10.3	6
42	Chirality Driven Twisting as a Driving Force of Primitive Folding in Binary Mixtures. <i>Origins of Life and Evolution of Biospheres</i> , <b>2020</b> , 50, 77-86	1.5	4
41	Rates and pathways of energy migration from the phycobilisome to the photosystem II and to the orange carotenoid protein in cyanobacteria. <i>FEBS Letters</i> , <b>2020</b> , 594, 1145-1154	3.8	4
40	The weak magnetic field inhibits the supramolecular self-ordering of chiral molecules. <i>Scientific Reports</i> , <b>2020</b> , 10, 17072	4.9	4
39	Zhurkov's Stress-Driven Fracture as a Driving Force of the Microcrystalline Cellulose Formation. <i>Polymers</i> , <b>2020</b> , 12,	4.5	1
38	Spontaneous resolution in racemic solutions of N-trifluoroacetylated aminoalcohols. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1183, 8-13	3.4	12
37	Twisting of Fibers Balancing the Gel/Sol Transition in Cellulose Aqueous Suspensions. <i>Polymers</i> , <b>2019</b> , 11,	4.5	5
36	Spontaneous Resolution and Super-coiling in Xerogels of the Products of Photo-Induced Formose Reaction. <i>Origins of Life and Evolution of Biospheres</i> , <b>2019</b> , 49, 187-196	1.5	6
35	Sympatric Diversification of Dolly Varden <i>Salvelinus malma</i> (Salmonidae) in an Extremely Small Ecosystem. <i>Journal of Ichthyology</i> , <b>2019</b> , 59, 958-961	0.7	1
34	Role of the PB-loop in ApcE and phycobilisome core function in cyanobacterium <i>Synechocystis</i> sp. PCC 6803. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2019</b> , 1860, 155-166	4.6	14

33	Dispersed phase particles in the solutions of chiral trifluoroacetylated $\beta$ -aminoalcohols. <i>Chemical Physics</i> , <b>2019</b> , 518, 74-80	2.3	6
32	The fibrils untwisting limits the rate of cellulose nitration process. <i>Carbohydrate Polymers</i> , <b>2019</b> , 204, 232-237	10.3	27
31	Self assembly and gelation in solutions of chiral N-trifluoroacetylated $\beta$ -aminoalcohols. <i>Chemical Physics</i> , <b>2018</b> , 508, 34-44	2.3	16
30	Phycobilisomes from the mutant cyanobacterium <i>Synechocystis</i> sp. PCC 6803 missing chromophore domain of ApcE. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2018</b> , 1859, 280-291	4.6	13
29	The Novel Short Isoform of Securin Stimulates the Expression of Cyclin D3 and Angiogenesis Factors VEGFA and FGF2, but Does Not Affect the Expression of MYC Transcription Factor. <i>Molecular Biology</i> , <b>2018</b> , 52, 436-445	1.2	3
28	Helical Structure of Nucleation in a Solution of a Chiral Trifluoroacetylated Amino Alcohol. <i>Russian Journal of Physical Chemistry B</i> , <b>2018</b> , 12, 394-402	1.2	1
27	Physiological Adaptations in Juvenile Dolly Varden <i>Salvelinus malma</i> (Salmonidae) Dwelling in Polluted Rivers of Kamchatkan Volcanic Territories. <i>Inland Water Biology</i> , <b>2018</b> , 11, 195-206	0.7	5
26	Unspecific histological and hematological alterations in anadromous and resident <i>Salvelinus malma</i> induced by volcanogenic pollution. <i>Hydrobiologia</i> , <b>2018</b> , 822, 237-257	2.4	1
25	Assembly of photoactive orange carotenoid protein from its domains unravels a carotenoid shuttle mechanism. <i>Photosynthesis Research</i> , <b>2017</b> , 133, 327-341	3.7	36
24	Coupled rows of PBS cores and PSII dimers in cyanobacteria: symmetry and structure. <i>Photosynthesis Research</i> , <b>2017</b> , 133, 245-260	3.7	13
23	Molecular mechanism of the spontaneous segregation of enantiomers in liquid nanoblobs. <i>Russian Journal of Physical Chemistry B</i> , <b>2017</b> , 11, 343-347	1.2	4
22	Role of inter-domain cavity in the attachment of the orange carotenoid protein to the phycobilisome core and to the fluorescence recovery protein. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2016</b> , 34, 486-96	3.6	16
21	Structure formation in low-concentrated solutions of cholesterol and ergosterol. <i>Biophysics (Russian Federation)</i> , <b>2016</b> , 61, 251-256	0.7	
20	Conformational Dynamics of the Single Lipopolysaccharide O-Antigen in Solution. <i>ChemPhysChem</i> , <b>2016</b> , 17, 2839-53	3.2	5
19	Chemical physics of cellulose nitration. <i>Russian Journal of Physical Chemistry B</i> , <b>2016</b> , 10, 245-259	1.2	9
18	Structural modeling of the phycobilisome core and its association with the photosystems. <i>Photosynthesis Research</i> , <b>2016</b> , 130, 347-356	3.7	17
17	Modeling of dimers of chiral trifluoroacetylated aminoalcohols. <i>Russian Journal of Physical Chemistry B</i> , <b>2016</b> , 10, 531-537	1.2	4
16	The Signaling State of Orange Carotenoid Protein. <i>Biophysical Journal</i> , <b>2015</b> , 109, 595-607	2.9	52

15	Self assembly of supramolecular homochiral structures in solutions of chiral biomimetics. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)</i> , <b>2015</b> , 70, 51-56	0.7	4
14	Electronic coupling of the phycobilisome with the orange carotenoid protein and fluorescence quenching. <i>Photosynthesis Research</i> , <b>2015</b> , 124, 315-35	3.7	23
13	Cyanobacterial phycobilisomes and phycobiliproteins. <i>Microbiology</i> , <b>2015</b> , 84, 101-111	1.4	41
12	Interaction of the orange carotenoid protein with the phycobilisome core and fluorescence recovery protein <b>2015</b> ,		1
11	Structure and internal dynamics of nanodroplets in dilute solutions of chiral gelators. <i>Russian Journal of Physical Chemistry B</i> , <b>2015</b> , 9, 667-679	1.2	4
10	Energy transfer pathways among phycobilin chromophores and fluorescence emission spectra of the phycobilisome core at 293 and 77 K. <i>Doklady Biochemistry and Biophysics</i> , <b>2015</b> , 465, 401-5	0.8	4
9	The efficiency of non-photochemical fluorescence quenching of phycobilisomes by the orange carotenoid protein. <i>Biophysics (Russian Federation)</i> , <b>2015</b> , 60, 752-758	0.7	1
8	Model of a homochiral supramolecular string. <i>Russian Journal of Physical Chemistry B</i> , <b>2014</b> , 8, 613-619	1.2	4
7	Semiempirical law for the dipole moments of low-molecular-weight gelators. <i>Russian Journal of Physical Chemistry B</i> , <b>2014</b> , 8, 499-503	1.2	8
6	Fluorescence quenching of the phycobilisome terminal emitter LCM from the cyanobacterium <i>Synechocystis</i> sp. PCC 6803 detected in vivo and in vitro. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2013</b> , 125, 137-45	6.7	32
5	Chirality as a fundamental basis of macroscopic helicity. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)</i> , <b>2013</b> , 68, 463-465	0.7	2
4	Computing the self-diffusion coefficient for TIP4P water. <i>Biophysics (Russian Federation)</i> , <b>2012</b> , 57, 127-132	1.2	8
3	Molecular dynamics simulation of lipid packing and mobility in bilayer membranes. <i>Biophysics (Russian Federation)</i> , <b>2011</b> , 56, 230-236	0.7	1
2	Construction of a molecular model of a fragment of a lipid membrane in the gel and liquid crystalline states. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)</i> , <b>2008</b> , 63, 405-409	0.7	1
1	Oil flax straw processing and utilization. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	1