# Dmitry V Zlenko

## List of Publications by Citations



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|---|---|---|---|
| 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 | The Signaling State of Orange Carotenoid Protein. *Biophysical Journal*, **2015**, 109, 595-607 | 2.9 | 52 |
| 49 | Cyanobacterial phycobilisomes and phycobiliproteins. *Microbiology*, **2015**, 84, 101-111 | 1.4 | 41 |
| 48 | Assembly of photoactive orange carotenoid protein from its domains unravels a carotenoid shuttle mechanism. *Photosynthesis Research*, **2017**, 133, 327-341 | 3.7 | 36 |
| 47 | Fluorescence quenching of the phycobilisome terminal emitter LCM from the cyanobacterium Synechocystis sp. PCC 6803 detected in vivo and in vitro. *Journal of Photochemistry and Photobiology B: Biology*, **2013**, 125, 137-45 | 6.7 | 32 |
| 46 | The fibrils untwisting limits the rate of cellulose nitration process. *Carbohydrate Polymers*, **2019**, 204, 232-237 | 10.3 | 27 |
| 45 | Electronic coupling of the phycobilisome with the orange carotenoid protein and fluorescence quenching. *Photosynthesis Research*, **2015**, 124, 315-35 | 3.7 | 23 |
| 44 | Structural modeling of the phycobilisome core and its association with the photosystems. *Photosynthesis Research*, **2016**, 130, 347-356 | 3.7 | 17 |
| 43 | Role of inter-domain cavity in the attachment of the orange carotenoid protein to the phycobilisome core and to the fluorescence recovery protein. *Journal of Biomolecular Structure and Dynamics*, **2016**, 34, 486-96 | 3.6 | 16 |
| 42 | Self assembly and gelation in solutions of chiral N-trifluoroacetylated □aminoalcohols. *Chemical Physics*, **2018**, 508, 34-44 | 2.3 | 16 |
| 41 | Role of the PB-loop in ApcE and phycobilisome core function in cyanobacterium Synechocystis sp. PCC 6803. *Biochimica Et Biophysica Acta - Bioenergetics*, **2019**, 1860, 155-166 | 4.6 | 14 |
| 40 | Coupled rows of PBS cores and PSII dimers in cyanobacteria: symmetry and structure. *Photosynthesis Research*, **2017**, 133, 245-260 | 3.7 | 13 |
| 39 | Phycobilisomes from the mutant cyanobacterium Synechocystis sp. PCC 6803 missing chromophore domain of ApcE. *Biochimica Et Biophysica Acta - Bioenergetics*, **2018**, 1859, 280-291 | 4.6 | 13 |
| 38 | Spontaneous resolution in racemic solutions of N-trifluoroacetylated □aminoalcohols. *Journal of Molecular Structure*, **2019**, 1183, 8-13 | 3.4 | 12 |
| 37 | Antiviral activity of the high-molecular-weight plant polysaccharides (Panavir□ ). *International Journal of Biological Macromolecules*, **2020**, 161, 936-938 | 7.9 | 11 |
| 36 | Chemical physics of cellulose nitration. *Russian Journal of Physical Chemistry B*, **2016**, 10, 245-259 | 1.2 | 9 |
| 35 | Computing the self-diffusion coefficient for TIP4P water. *Biophysics (Russian Federation)*, **2012**, 57, 127-132 | 0.7 | 8 |
| 34 | Semiempirical law for the dipole moments of low-molecular-weight gelators. *Russian Journal of Physical Chemistry B*, **2014**, 8, 499-503 | 1.2 | 8 |

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| 33 | Structure and properties of helical fibers spun from cellulose solutions in [B]Cl. *Carbohydrate Polymers*, **2020**, 235, 115866 | 10.3 | 6 |
| 32 | Spontaneous Resolution and Super-coiling in Xerogels of the Products of Photo-Induced Formose Reaction. *Origins of Life and Evolution of Biospheres*, **2019**, 49, 187-196 | 1.5 | 6 |
| 31 | Role of hydrogen bond alternation and charge transfer states in photoactivation of the Orange Carotenoid Protein. *Communications Biology*, **2021**, 4, 539 | 6.7 | 6 |
| 30 | Dispersed phase particles in the solutions of chiral trifluoroacetylated □aminoalcohols. *Chemical Physics*, **2019**, 518, 74-80 | 2.3 | 6 |
| 29 | Twisting of Fibers Balancing the Gel?Sol Transition in Cellulose Aqueous Suspensions. *Polymers*, **2019**, 11, | 4.5 | 5 |
| 28 | Conformational Dynamics of the Single Lipopolysaccharide O-Antigen in Solution. *ChemPhysChem*, **2016**, 17, 2839-53 | 3.2 | 5 |
| 27 | Physiological Adaptations in Juvenile Dolly Varden Salvelinus malma (Salmonidae) Dwelling in Polluted Rivers of Kamchatkan Volcanic Territories. *Inland Water Biology*, **2018**, 11, 195-206 | 0.7 | 5 |
| 26 | Self assembly of supramolecular homochiral structures in solutions of chiral biomimetics. *Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)*, **2015**, 70, 51-56 | 0.7 | 4 |
| 25 | Chirality Driven Twisting as a Driving Force of Primitive Folding in Binary Mixtures. *Origins of Life and Evolution of Biospheres*, **2020**, 50, 77-86 | 1.5 | 4 |
| 24 | Molecular mechanism of the spontaneous segregation of enantiomers in liquid nanoblobs. *Russian Journal of Physical Chemistry B*, **2017**, 11, 343-347 | 1.2 | 4 |
| 23 | Structure and internal dynamics of nanodroplets in dilute solutions of chiral gelators. *Russian Journal of Physical Chemistry B*, **2015**, 9, 667-679 | 1.2 | 4 |
| 22 | Energy transfer pathways among phycobilin chromophores and fluorescence emission spectra of the phycobilisome core at 293 and 77 K. *Doklady Biochemistry and Biophysics*, **2015**, 465, 401-5 | 0.8 | 4 |
| 21 | Model of a homochiral supramolecular string. *Russian Journal of Physical Chemistry B*, **2014**, 8, 613-619 | 1.2 | 4 |
| 20 | Rates and pathways of energy migration from the phycobilisome to the photosystem II and to the orange carotenoid protein in cyanobacteria. *FEBS Letters*, **2020**, 594, 1145-1154 | 3.8 | 4 |
| 19 | The weak magnetic field inhibits the supramolecular self-ordering of chiral molecules. *Scientific Reports*, **2020**, 10, 17072 | 4.9 | 4 |
| 18 | Modeling of dimers of chiral trifluoroacetylated aminoalcohols. *Russian Journal of Physical Chemistry B*, **2016**, 10, 531-537 | 1.2 | 4 |
| 17 | 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. *Molecular Biology*, **2018**, 52, 436-445 | 1.2 | 3 |
| 16 | On the orientation of the chains in the mercerized cellulose. *Scientific Reports*, **2021**, 11, 8765 | 4.9 | 3 |

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| 15 | Friction Force Limits the Drift of Microparticles Along the Quantum Vortex in Liquid Helium. *Journal of Low Temperature Physics*, **2020**, 200, 91-101 | 1.3 | 2 |
| 14 | Chirality as a fundamental basis of macroscopic helicity. *Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)*, **2013**, 68, 463-465 | 0.7 | 2 |
| 13 | State of the phycobilisome determines effective absorption cross-section of Photosystem II in Synechocystis sp. PCC 6803. *Biochimica Et Biophysica Acta - Bioenergetics*, **2021**, 1862, 148494 | 4.6 | 2 |
| 12 | Helical Structure of Nucleation in a Solution of a Chiral Trifluoroacetylated Amino Alcohol. *Russian Journal of Physical Chemistry B*, **2018**, 12, 394-402 | 1.2 | 1 |
| 11 | Interaction of the orange carotenoid protein with the phycobilisome core and fluorescence recovery protein **2015**, | | 1 |
| 10 | The efficiency of non-photochemical fluorescence quenching of phycobilisomes by the orange carotenoid protein. *Biophysics (Russian Federation)*, **2015**, 60, 752-758 | 0.7 | 1 |
| 9 | Molecular dynamics simulation of lipid packing and mobility in bilayer membranes. *Biophysics (Russian Federation)*, **2011**, 56, 230-236 | 0.7 | 1 |
| 8 | Construction of a molecular model of a fragment of a lipid membrane in the gel and liquid crystalline states. *Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)*, **2008**, 63, 405-409 | 0.7 | 1 |
| 7 | ZhurkovЂs Stress-Driven Fracture as a Driving Force of the Microcrystalline Cellulose Formation. *Polymers*, **2020**, 12, | 4.5 | 1 |
| 6 | Sympatric Diversification of Dolly Varden Salvelinus malma (Salmonidae) in an Extremely Small Ecosystem. *Journal of Ichthyology*, **2019**, 59, 958-961 | 0.7 | 1 |
| 5 | Unspecific histological and hematological alterations in anadromous and resident Salvelinus malma induced by volcanogenic pollution. *Hydrobiologia*, **2018**, 822, 237-257 | 2.4 | 1 |
| 4 | Molecular Self-Assembly as a Trigger of Life Origin and Development.. *Origins of Life and Evolution of Biospheres*, **2022**, 1 | 1.5 | 1 |
| 3 | Oil flax straw processing and utilization. *Biomass Conversion and Biorefinery*,1 | 2.3 | 1 |
| 2 | Antiviral potential of plant polysaccharide nanoparticles actuating non-specific immunity. *International Journal of Biological Macromolecules*, **2021**, 182, 743-749 | 7.9 | 0 |
| 1 | Structure formation in low-concentrated solutions of cholesterol and ergosterol. *Biophysics (Russian Federation)*, **2016**, 61, 251-256 | 0.7 | |