

# Elka R Georgieva

## List of Publications by Year in descending order

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26  
papers

1,346  
citations

623734

14  
h-index

642732

23  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1735  
citing authors

#	ARTICLE	IF	CITATIONS
1	Membrane-Bound $\hat{\pm}$ -Synuclein Forms an Extended Helix: Long-Distance Pulsed ESR Measurements Using Vesicles, Bicelles, and Rodlike Micelles. <i>Journal of the American Chemical Society</i> , 2008, 130, 12856-12857.	13.7	253
2	Transport domain unlocking sets the uptake rate of an aspartate transporter. <i>Nature</i> , 2015, 518, 68-73.	27.8	144
3	The Lipid-binding Domain of Wild Type and Mutant $\hat{\pm}$ -Synuclein. <i>Journal of Biological Chemistry</i> , 2010, 285, 28261-28274.	3.4	132
4	Improved Sensitivity for Long-Distance Measurements in Biomolecules: Five-Pulse Double Electronâ€“Electron Resonance. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 170-175.	4.6	124
5	Conformational ensemble of the sodium-coupled aspartate transporter. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 215-221.	8.2	121
6	Tau Binds to Lipid Membrane Surfaces via Short Amphipathic Helices Located in Its Microtubule-Binding Repeats. <i>Biophysical Journal</i> , 2014, 107, 1441-1452.	0.5	97
7	Effect of freezing conditions on distances and their distributions derived from Double Electron Resonance (DEER): A study of doubly-spin-labeled T4 lysozyme. <i>Journal of Magnetic Resonance</i> , 2012, 216, 69-77.	2.1	93
8	Structural basis for membrane anchoring and fusion regulation of the herpes simplex virus fusogen gB. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 416-424.	8.2	76
9	Signature of an aggregation-prone conformation of tau. <i>Scientific Reports</i> , 2017, 7, 44739.	3.3	69
10	Mechanism of influenza A M2 transmembrane domain assembly in lipid membranes. <i>Scientific Reports</i> , 2015, 5, 11757.	3.3	55
11	A New Wavelet Denoising Method for Experimental Time-Domain Signals: Pulsed Dipolar Electron Spin Resonance. <i>Journal of Physical Chemistry A</i> , 2017, 121, 2452-2465.	2.5	49
12	Lipid Membrane Mimetics in Functional and Structural Studies of Integral Membrane Proteins. <i>Membranes</i> , 2021, 11, 685.	3.0	32
13	High-field/ high-frequency EPR study on stable free radicals formed in sucrose by gamma-irradiation. <i>Free Radical Research</i> , 2006, 40, 553-563.	3.3	23
14	Nanoscale lipid membrane mimetics in spin-labeling and electron paramagnetic resonance spectroscopy studies of protein structure and function. <i>Nanotechnology Reviews</i> , 2017, 6, 75-92.	5.8	16
15	A facile approach for the in vitro assembly of multimeric membrane transport proteins. <i>ELife</i> , 2018, 7, .	6.0	16
16	Secondary structure conversions of <i>Mycobacterium tuberculosis</i> ribonucleotide reductase protein R2 under varying pH and temperature conditions. <i>Biophysical Chemistry</i> , 2008, 137, 43-48.	2.8	12
17	Pulsed Dipolar Spectroscopy Reveals That Tyrosyl Radicals Are Generated in Both Monomers of the Cyclooxygenase-2 Dimer. <i>Biochemistry</i> , 2015, 54, 7309-7312.	2.5	9
18	Non-Structural Proteins from Human T-cell Leukemia Virus Type 1 in Cellular Membranesâ€“Mechanisms for Viral Survivability and Proliferation. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3508.	4.1	7

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19	Conformational Response of Influenza A M2 Transmembrane Domain to Amantadine Drug Binding at Low pH (pH 5.5). <i>Frontiers in Physiology</i> , 2016, 7, 317.	2.8	6
20	Protein Conformational Dynamics upon Association with the Surfaces of Lipid Membranes and Engineered Nanoparticles: Insights from Electron Paramagnetic Resonance Spectroscopy. <i>Molecules</i> , 2020, 25, 5393.	3.8	5
21	High-yield production in <i>E. coli</i> and characterization of full-length functional p13II protein from human T-cell leukemia virus type 1. <i>Protein Expression and Purification</i> , 2020, 173, 105659.	1.3	3
22	The Assembly, Structure and Activation of Influenza a M2 Transmembrane Domain Depends on Lipid Membrane Thickness and Composition. <i>Biophysical Journal</i> , 2014, 106, 249a.	0.5	2
23	Fusion on a Pedestal: The Structure of the Full-Length HSV-1 Fusogen gB. <i>Biophysical Journal</i> , 2017, 112, 188a.	0.5	1
24	Production of recombinant <i>Mtb</i> membrane efflux pump for structural and functional studies to reveal mechanisms of drug resistance. <i>FASEB Journal</i> , 2022, 36, .	0.5	1
25	EPR and Electron Microscopy Study of the Influenza a M2 Transmembrane Domain Assembly and Drug Response. <i>Biophysical Journal</i> , 2016, 110, 445a-446a.	0.5	0
26	Protein engineering and biochemical/biophysical approaches for structural studies of small membrane proteins and their complexes: Application to vioporins. <i>FASEB Journal</i> , 2022, 36, .	0.5	0