

# JÄdrzej SzymaÅ„ski

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4339720/publications.pdf>

Version: 2024-02-01

33  
papers

2,624  
citations

304743

22  
h-index

395702

33  
g-index

38  
all docs

38  
docs citations

38  
times ranked

3531  
citing authors

#	ARTICLE	IF	CITATIONS
1	Elucidating the Origin of Anomalous Diffusion in Crowded Fluids. <i>Physical Review Letters</i> , 2009, 103, 038102.	7.8	388
2	Amino Acids for Diels-Ä Alder Reactions in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4166-4170.	13.8	298
3	Minimal Tags for Rapid Dual-Color Live-Cell Labeling and Super-Resolution Microscopy. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2245-2249.	13.8	254
4	Comparative Analysis of Viscosity of Complex Liquids and Cytoplasm of Mammalian Cells at the Nanoscale. <i>Nano Letters</i> , 2011, 11, 2157-2163.	9.1	212
5	Mitochondria and Reactive Oxygen Species in Aging and Age-Related Diseases. <i>International Review of Cell and Molecular Biology</i> , 2018, 340, 209-344.	3.2	208
6	Interaction of Mitochondria with the Endoplasmic Reticulum and Plasma Membrane in Calcium Homeostasis, Lipid Trafficking and Mitochondrial Structure. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1576.	4.1	164
7	Scaling form of viscosity at all length-scales in poly(ethylene glycol) solutions studied by fluorescence correlation spectroscopy and capillary electrophoresis. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 9025.	2.8	160
8	Mitochondria-associated membranes in aging and senescence: structure, function, and dynamics. <i>Cell Death and Disease</i> , 2018, 9, 332.	6.3	140
9	Diffusion and Viscosity in a Crowded Environment: Ä from Nano- to Macroscale. <i>Journal of Physical Chemistry B</i> , 2006, 110, 25593-25597.	2.6	97
10	The effect of macromolecular crowding on mobility of biomolecules, association kinetics, and gene expression in living cells. <i>Frontiers in Physics</i> , 2014, 2, .	2.1	66
11	Motion of nanoprobe in complex liquids within the framework of the length-scale dependent viscosity model. <i>Advances in Colloid and Interface Science</i> , 2015, 223, 55-63.	14.7	66
12	Mitochondria as a possible target for nicotine action. <i>Journal of Bioenergetics and Biomembranes</i> , 2019, 51, 259-276.	2.3	61
13	Schnelle, zweifarbige Proteinmarkierung an lebenden Zellen für die hochauflösende Mikroskopie. <i>Angewandte Chemie</i> , 2014, 126, 2278-2282.	2.0	51
14	Size and Shape of Micelles Studied by Means of SANS, PCS, and FCS. <i>Langmuir</i> , 2010, 26, 9304-9314.	3.5	45
15	Apparent Anomalous Diffusion in the Cytoplasm of Human Cells: The Effect of Probes' Polydispersity. <i>Journal of Physical Chemistry B</i> , 2017, 121, 9831-9837.	2.6	39
16	Assessment of mitochondrial function following short- and long-term exposure of human bronchial epithelial cells to total particulate matter from a candidate modified-risk tobacco product and reference cigarettes. <i>Food and Chemical Toxicology</i> , 2018, 115, 1-12.	3.6	38
17	Insight into the fission mechanism by quantitative characterization of Drp1 protein distribution in the living cell. <i>Scientific Reports</i> , 2018, 8, 8122.	3.3	35
18	Nanoscale Viscosity of Cytoplasm Is Conserved in Human Cell Lines. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6914-6920.	4.6	33

#	ARTICLE	IF	CITATIONS
19	Movement of Proteins in an Environment Crowded by Surfactant Micelles: Anomalous versus Normal Diffusion. <i>Journal of Physical Chemistry B</i> , 2006, 110, 7367-7373.	2.6	32
20	Determination of oligomerization state of Drp1 protein in living cells at nanomolar concentrations. <i>Scientific Reports</i> , 2019, 9, 5906.	3.3	27
21	Distinction of sporadic and familial forms of ALS based on mitochondrial characteristics. <i>FASEB Journal</i> , 2019, 33, 4388-4403.	0.5	25
22	Aggregation of aqueous lysozyme solutions followed by dynamic light scattering and 1H NMR spectroscopy. <i>Journal of Molecular Liquids</i> , 2005, 121, 21-26.	4.9	22
23	Dynamic subcellular partitioning of the nucleolar transcription factor TIF-IA under ribotoxic stress. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 1191-1198.	4.1	17
24	Net Charge and Electrophoretic Mobility of Lysozyme Charge Ladders in Solutions of Nonionic Surfactant. <i>Journal of Physical Chemistry B</i> , 2007, 111, 5503-5510.	2.6	15
25	Micro- and macro-shear viscosity in dispersed lamellar phases. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2008, 148, 134-140.	2.4	12
26	Mitochondrial Network and Biogenesis in Response to Short and Long-Term Exposure of Human BEAS-2B Cells to Aerosol Extracts from the Tobacco Heating System 2.2. <i>Cellular Physiology and Biochemistry</i> , 2020, 54, 230-251.	1.6	11
27	Method to analyze effects of low-level laser therapy on biological cells with a digital holographic microscope. <i>Applied Optics</i> , 2022, 61, B297.	1.8	4
28	Partial Molar Volumes of mRNA 5' Cap Analogues. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 1553-1556.	1.1	1
29	Microcalorimetric, volumetric and dynamic light scattering studies on nucleating ovalbumin solutions. <i>Journal of Molecular Liquids</i> , 2005, 121, 58-61.	4.9	1
30	Cell extract gels as an example of active matter. <i>Rheologica Acta</i> , 2020, 59, 575-582.	2.4	1
31	Effects of plant alkaloids on mitochondrial bioenergetic parameters. <i>Food and Chemical Toxicology</i> , 2021, 154, 112316.	3.6	1
32	Serial Block-Face Scanning Electron Microscopy (SBEM) for the Study of Dendritic Spines. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	1
33	Insights Into The Microscopic Origin Of Anomalous Diffusion From Crowded Solutions. <i>Biophysical Journal</i> , 2009, 96, 44a.	0.5	0