# Jedrzej Szymanski

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 32 papers | 2,004 citations | 20 h-index | 38 g-index |
| 38 ext. papers | 2,344 ext. citations | 5.2 avg, IF | 4.63 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 32 | Method to analyze effects of low-level laser therapy on biological cells with a digital holographic microscope.. *Applied Optics*, **2022**, 61, B297-B306 | 1.7 | 0 |
| 31 | Effects of plant alkaloids on mitochondrial bioenergetic parameters. *Food and Chemical Toxicology*, **2021**, 154, 112316 | 4.7 | 1 |
| 30 | 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. *Cellular Physiology and Biochemistry*, **2020**, 54, 230-251 | 3.9 | 7 |
| 29 | Nanoscale Viscosity of Cytoplasm Is Conserved in Human Cell Lines. *Journal of Physical Chemistry Letters*, **2020**, 11, 6914-6920 | 6.4 | 8 |
| 28 | Cell extract gels as an example of active matter. *Rheologica Acta*, **2020**, 59, 575-582 | 2.3 | 0 |
| 27 | Mitochondria as a possible target for nicotine action. *Journal of Bioenergetics and Biomembranes*, **2019**, 51, 259-276 | 3.7 | 30 |
| 26 | Determination of oligomerization state of Drp1 protein in living cells at nanomolar concentrations. *Scientific Reports*, **2019**, 9, 5906 | 4.9 | 17 |
| 25 | Distinction of sporadic and familial forms of ALS based on mitochondrial characteristics. *FASEB Journal*, **2019**, 33, 4388-4403 | 0.9 | 14 |
| 24 | Mitochondria-associated membranes in aging and senescence: structure, function, and dynamics. *Cell Death and Disease*, **2018**, 9, 332 | 9.8 | 79 |
| 23 | 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. *Food and Chemical Toxicology*, **2018**, 115, 1-12 | 4.7 | 23 |
| 22 | Insight into the fission mechanism by quantitative characterization of Drp1 protein distribution in the living cell. *Scientific Reports*, **2018**, 8, 8122 | 4.9 | 21 |
| 21 | Mitochondria and Reactive Oxygen Species in Aging and Age-Related Diseases. *International Review of Cell and Molecular Biology*, **2018**, 340, 209-344 | 6 | 102 |
| 20 | Apparent Anomalous Diffusion in the Cytoplasm of Human Cells: The Effect of Probesc Polydispersity. *Journal of Physical Chemistry B*, **2017**, 121, 9831-9837 | 3.4 | 24 |
| 19 | Interaction of Mitochondria with the Endoplasmic Reticulum and Plasma Membrane in Calcium Homeostasis, Lipid Trafficking and Mitochondrial Structure. *International Journal of Molecular Sciences*, **2017**, 18, | 6.3 | 99 |
| 18 | Motion of nanoprobes in complex liquids within the framework of the length-scale dependent viscosity model. *Advances in Colloid and Interface Science*, **2015**, 223, 55-63 | 14.3 | 51 |
| 17 | Minimal tags for rapid dual-color live-cell labeling and super-resolution microscopy. *Angewandte Chemie - International Edition*, **2014**, 53, 2245-9 | 16.4 | 210 |
| 16 | The effect of macromolecular crowding on mobility of biomolecules, association kinetics, and gene expression in living cells. *Frontiers in Physics*, **2014**, 2, | 3.9 | 46 |

# List of Publications

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|---|---|---|---|
| 15 | Schnelle, zweifarbige Proteinmarkierung an lebenden Zellen f□ die hochaufl□sende Mikroskopie. *Angewandte Chemie*, **2014**, 126, 2278-2282 | 3.6 | 45 |
| 14 | Amino Acids for Diels□Alder Reactions in Living Cells. *Angewandte Chemie*, **2012**, 124, 4242-4246 | 3.6 | 73 |
| 13 | Amino acids for Diels-Alder reactions in living cells. *Angewandte Chemie - International Edition*, **2012**, 51, 4166-70 | 16.4 | 271 |
| 12 | Comparative analysis of viscosity of complex liquids and cytoplasm of mammalian cells at the nanoscale. *Nano Letters*, **2011**, 11, 2157-63 | 11.5 | 171 |
| 11 | Size and shape of micelles studied by means of SANS, PCS, and FCS. *Langmuir*, **2010**, 26, 9304-14 | 4 | 38 |
| 10 | Dynamic subcellular partitioning of the nucleolar transcription factor TIF-IA under ribotoxic stress. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2009**, 1793, 1191-8 | 4.9 | 16 |
| 9 | Elucidating the origin of anomalous diffusion in crowded fluids. *Physical Review Letters*, **2009**, 103, 038102 | 7.4 | 336 |
| 8 | Scaling form of viscosity at all length-scales in poly(ethylene glycol) solutions studied by fluorescence correlation spectroscopy and capillary electrophoresis. *Physical Chemistry Chemical Physics*, **2009**, 11, 9025-32 | 3.6 | 147 |
| 7 | Micro- and macro-shear viscosity in dispersed lamellar phases. *Journal of Non-Newtonian Fluid Mechanics*, **2008**, 148, 134-140 | 2.7 | 11 |
| 6 | Net charge and electrophoretic mobility of lysozyme charge ladders in solutions of nonionic surfactant. *Journal of Physical Chemistry B*, **2007**, 111, 5503-10 | 3.4 | 13 |
| 5 | Movement of proteins in an environment crowded by surfactant micelles: anomalous versus normal diffusion. *Journal of Physical Chemistry B*, **2006**, 110, 7367-73 | 3.4 | 28 |
| 4 | Diffusion and viscosity in a crowded environment: from nano- to macroscale. *Journal of Physical Chemistry B*, **2006**, 110, 25593-7 | 3.4 | 87 |
| 3 | Aggregation of aqueous lysozyme solutions followed by dynamic light scattering and 1H NMR spectroscopy. *Journal of Molecular Liquids*, **2005**, 121, 21-26 | 6 | 20 |
| 2 | Microcalorimetric, volumetric and dynamic light scattering studies on nucleating ovalbumin solutions. *Journal of Molecular Liquids*, **2005**, 121, 58-61 | 6 | 1 |
| 1 | Partial molar volumes of mRNA 5ccap analogues. *Nucleosides, Nucleotides and Nucleic Acids*, **2003**, 22, 1553-6 | 1.4 | 0 |