

# Krzysztof Sozanski

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

484  
citations

687363

13  
h-index

677142

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

749  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Droplet-based digital antibiotic susceptibility screen reveals single-cell clonal heteroresistance in an isogenic bacterial population. <i>Scientific Reports</i> , 2020, 10, 3282.	3.3	54
3	Scaling of activation energy for macroscopic flow in poly(ethylene glycol) solutions: Entangled vs Non-entangled crossover. <i>Polymer</i> , 2014, 55, 4651-4657.	3.8	39
4	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
5	Activation Energy for Mobility of Dyes and Proteins in Polymer Solutions: From Diffusion of Single Particles to Macroscale Flow. <i>Physical Review Letters</i> , 2013, 111, 228301.	7.8	38
6	Small Crowders Slow Down Kinesin-1 Stepping by Hindering Motor Domain Diffusion. <i>Physical Review Letters</i> , 2015, 115, 218102.	7.8	34
7	TMAO, a seafood-derived molecule, produces diuresis and reduces mortality in heart failure rats. <i>ELife</i> , 2020, 9, .	6.0	32
8	Kinetics and equilibrium constants of oligonucleotides at low concentrations. Hybridization and melting study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 10798-10807.	2.8	24
9	Fluorescence correlation spectroscopy for multiple-site equilibrium binding: a case of doxorubicin-DNA interaction. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1572-1577.	2.8	20
10	Scaling Equation for Viscosity of Polymer Mixtures in Solutions with Application to Diffusion of Molecular Probes. <i>Macromolecules</i> , 2017, 50, 4555-4561.	4.8	17
11	Length-scale dependent transport properties of colloidal and protein solutions for prediction of crystal nucleation rates. <i>Nanoscale</i> , 2014, 6, 10340-10346.	5.6	15
12	Three Steps of Hierarchical Self Assembly Toward a Stable and Efficient Surface Enhanced Raman Spectroscopy Platform. <i>Chemistry of Materials</i> , 2012, 24, 3667-3673.	6.7	14
13	Tracking structural transitions of bovine serum albumin in surfactant solutions by fluorescence correlation spectroscopy and fluorescence lifetime analysis. <i>Soft Matter</i> , 2015, 11, 2512-2518.	2.7	14
14	Formation of net-like patterns of gold nanoparticles in liquid crystal matrix at the air-water interface. <i>Journal of Nanoparticle Research</i> , 2012, 14, 826.	1.9	13
15	Self-Assembly of Gold Nanoparticles into 2D Arrays Induced by Bolaamphiphilic Ligands. <i>Journal of Physical Chemistry C</i> , 2013, 117, 24056-24062.	3.1	12
16	Quantitative fluorescence correlation spectroscopy in three-dimensional systems under stimulated emission depletion conditions. <i>Optica</i> , 2017, 4, 982.	9.3	11
17	Anomalous Effect of Flow Rate on the Electrochemical Behavior at a Liquid   Liquid Interface under Microfluidic Conditions. <i>Langmuir</i> , 2013, 29, 16034-16039.	3.5	8
18	A depletion layer in polymer solutions at an interface oscillating at the subnano- to submicrometer scale. <i>Soft Matter</i> , 2014, 10, 7762-7768.	2.7	8

#	ARTICLE	IF	CITATIONS
19	Nanoscopic Approach to Quantification of Equilibrium and Rate Constants of Complex Formation at Single-Molecule Level. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5785-5791.	4.6	8
20	Stable, ordered multilayers of partially fluorinated bolaamphiphiles at the air-water interface. <i>Soft Matter</i> , 2012, 8, 5262.	2.7	7
21	Motion of Molecular Probes and Viscosity Scaling in Polyelectrolyte Solutions at Physiological Ionic Strength. <i>PLoS ONE</i> , 2016, 11, e0161409.	2.5	7
22	Spontaneous self-assembly of partially fluorinated bolaamphiphiles into ordered layered structures. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14365.	2.8	4
23	Abstract P3021: Trimethylamine but Not Trimethylamine N-Oxide Increases Blood Pressure in Rats, Affects Viability of Vascular Smooth Muscle Cells and Degrades Protein Structure. <i>Hypertension</i> , 2019, 74, .	2.7	0