MarkÃ©ta KubÃ¡nkovÃ¡

List of Publications by Year
in descending order

17	766	687363 13	940533 16
papers	citations	h-index	g-index

19	19	19	1008
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Z-Î± ₁ -antitrypsin polymers impose molecular filtration in the endoplasmic reticulum after undergoing phase transition to a solid state. Science Advances, 2022, 8, eabm2094.	10.3	15
2	Physical phenotype of blood cells is altered in COVID-19. Biophysical Journal, 2021, 120, 2838-2847.	0.5	118
3	Cyclopropyl Substituents Transform the Viscosity-Sensitive BODIPY Molecular Rotor into a Temperature Sensor. ACS Sensors, 2021, 6, 2158-2167.	7.8	28
4	Simultaneous Detection of Carbon Monoxide and Viscosity Changes in Cells. Angewandte Chemie - International Edition, 2020, 59, 21431-21435.	13.8	70
5	Monitoring membrane viscosity in differentiating stem cells using BODIPY-based molecular rotors and FLIM. Scientific Reports, 2020, 10, 14063.	3.3	34
6	Simultaneous Detection of Carbon Monoxide and Viscosity Changes in Cells. Angewandte Chemie, 2020, 132, 21615-21619.	2.0	13
7	Intelligent image-based deformation-assisted cell sorting with molecular specificity. Nature Methods, 2020, 17, 595-599.	19.0	109
8	Linker length affects photostability of protein-targeted sensor of cellular microviscosity. Methods and Applications in Fluorescence, 2019, 7, 044004.	2.3	8
9	Microscopic Viscosity of Neuronal Plasma Membranes Measured Using Fluorescent Molecular Rotors: Effects of Oxidative Stress and Neuroprotection. ACS Applied Materials & Interfaces, 2019, 11, 36307-36315.	8.0	33
10	Measuring Intracellular Viscosity in Conditions of Hypergravity. Biophysical Journal, 2019, 116, 1984-1993.	0.5	24
11	Rapid Fragmentation during Seeded Lysozyme Aggregation Revealed at the Single Molecule Level. Analytical Chemistry, 2019, 91, 6880-6886.	6.5	7
12	An Optical Technique for Mapping Microviscosity Dynamics in Cellular Organelles. ACS Nano, 2018, 12, 4398-4407.	14.6	125
13	Rotor-Based Organelle Viscosity Imaging. Biophysical Journal, 2018, 114, 548a.	0.5	0
14	Molecular rotors report on changes in live cell plasma membrane microviscosity upon interaction with beta-amyloid aggregates. Soft Matter, 2018, 14, 9466-9474.	2.7	30
15	Visualising the membrane viscosity of porcine eye lens cells using molecular rotors. Chemical Science, 2017, 8, 3523-3528.	7.4	71
16	Probing supramolecular protein assembly using covalently attached fluorescent molecular rotors. Biomaterials, 2017, 139, 195-201.	11.4	35
17	Molecular Rotors Provide Insights into Microscopic Structural Changes During Protein Aggregation. Journal of Physical Chemistry B, 2015, 119, 10170-10179.	2.6	36