

Aurimas Vysniauskas

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,066
citations

430754

18
h-index

580701

25
g-index

28
all docs

28
docs citations

28
times ranked

1566
citing authors

#	ARTICLE	IF	CITATIONS
1	The interactions between a small molecule and G-quadruplexes are visualized by fluorescence lifetime imaging microscopy. <i>Nature Communications</i> , 2015, 6, 8178.	5.8	192
2	Direct imaging of changes in aerosol particle viscosity upon hydration and chemical aging. <i>Chemical Science</i> , 2016, 7, 1357-1367.	3.7	101
3	Unravelling the effect of temperature on viscosity-sensitive fluorescent molecular rotors. <i>Chemical Science</i> , 2015, 6, 5773-5778.	3.7	100
4	Exploring viscosity, polarity and temperature sensitivity of BODIPY-based molecular rotors. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 25252-25259.	1.3	84
5	Visualising the membrane viscosity of porcine eye lens cells using molecular rotors. <i>Chemical Science</i> , 2017, 8, 3523-3528.	3.7	71
6	A twisted tale: measuring viscosity and temperature of microenvironments using molecular rotors. <i>International Reviews in Physical Chemistry</i> , 2018, 37, 259-285.	0.9	50
7	Dual mode quantitative imaging of microscopic viscosity using a conjugated porphyrin dimer. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 7548-7554.	1.3	43
8	Dual use of porphyrazines as sensitizers and viscosity markers in photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1089-1096.	2.9	39
9	Imaging plasma membrane phase behaviour in live cells using a thiophene-based molecular rotor. <i>Chemical Communications</i> , 2016, 52, 13269-13272.	2.2	39
10	A Molecular Rotor that Measures Dynamic Changes of Lipid Bilayer Viscosity Caused by Oxidative Stress. <i>Chemistry - A European Journal</i> , 2016, 22, 13210-13217.	1.7	38
11	Enhancing the Viscosity-sensitive Range of a BODIPY Molecular Rotor by Two Orders of Magnitude. <i>Chemistry - A European Journal</i> , 2019, 25, 10342-10349.	1.7	37
12	Molecular Rotors Provide Insights into Microscopic Structural Changes During Protein Aggregation. <i>Journal of Physical Chemistry B</i> , 2015, 119, 10170-10179.	1.2	36
13	Tuning the Sensitivity of Fluorescent Porphyrin Dimers to Viscosity and Temperature. <i>Chemistry - A European Journal</i> , 2017, 23, 11001-11010.	1.7	34
14	The effect of solvent polarity and macromolecular crowding on the viscosity sensitivity of a molecular rotor BODIPY-C ₁₀ . <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 8296-8303.	1.3	31
15	Imaging non-classical mechanical responses of lipid membranes using molecular rotors. <i>Chemical Science</i> , 2021, 12, 2604-2613.	3.7	31
16	Enhanced fluorescence of phthalimide compounds induced by the incorporation of electron-donating alicyclic amino groups. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 16033-16044.	1.3	30
17	Trianguleniums as Optical Probes for G-Quadruplexes: A Photophysical, Electrochemical, and Computational Study. <i>Chemistry - A European Journal</i> , 2016, 22, 4129-4139.	1.7	29
18	Cyclopropyl Substituents Transform the Viscosity-Sensitive BODIPY Molecular Rotor into a Temperature Sensor. <i>ACS Sensors</i> , 2021, 6, 2158-2167.	4.0	28

#	ARTICLE	IF	CITATIONS
19	Give or Take: Effects of Electron-Accepting/-Withdrawing Groups in Red-Fluorescent BODIPY Molecular Rotors. <i>Molecules</i> , 2022, 27, 23.	1.7	14
20	Designing a Red-Emitting Viscosity-Sensitive BODIPY Fluorophore for Intracellular Viscosity Imaging. <i>Chemistry - A European Journal</i> , 2021, 27, 16768-16775.	1.7	13
21	Surface functionalisation with viscosity-sensitive BODIPY molecular rotor. <i>Methods and Applications in Fluorescence</i> , 2018, 6, 034001.	1.1	8
22	Visualising UV-A light-induced damage to plasma membranes of eye lens. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2021, 225, 112346.	1.7	8
23	Ultrafast Spectroscopic Analysis of Pressure-Induced Variations of Excited-State Energy and Intramolecular Proton Transfer in Semi-Aliphatic Polyimide Films. <i>Journal of Physical Chemistry B</i> , 2021, 125, 2425-2434.	1.2	6
24	Microviscosity and temperature sensors: The twists and turns of the photophysics of conjugated porphyrin dimers – a SPP/JPP Young Investigator Award paper. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 1372-1386.	0.4	2
25	Exploring BODIPY-Based Sensor for Imaging of Intracellular Microviscosity in Human Breast Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5687.	1.8	2
26	Frontispiece: Tuning the Sensitivity of Fluorescent Porphyrin Dimers to Viscosity and Temperature. <i>Chemistry - A European Journal</i> , 2017, 23, .	1.7	0
27	Red-Fluorescent BODIPY Molecular Rotor for High Microviscosity Environments. <i>Methods and Applications in Fluorescence</i> , 0, , .	1.1	0