

# MichaÅ, Maj

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7931755/publications.pdf>

Version: 2024-02-01

24  
papers

863  
citations

516710

16  
h-index

610901

24  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1314  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metastable intermediate during hIAPP aggregation catalyzed by membranes as detected with 2D IR spectroscopy. <i>RSC Chemical Biology</i> , 2022, 3, 931-940.	4.1	11
2	Ultrafast structural changes within a photosynthetic reaction centre. <i>Nature</i> , 2021, 589, 310-314.	27.8	47
3	High-resolution crystal structures of transient intermediates in the phytochrome photocycle. <i>Structure</i> , 2021, 29, 743-754.e4.	3.3	31
4	Giving voice to the weak: Application of active noise reduction in transient infrared spectroscopy. <i>Chemical Physics Letters</i> , 2021, 783, 139059.	2.6	6
5	Transient IR spectroscopy identifies key interactions and unravels new intermediates in the photocycle of a bacterial phytochrome. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 9195-9203.	2.8	19
6	The primary structural photoresponse of phytochrome proteins captured by a femtosecond X-ray laser. <i>ELife</i> , 2020, 9, .	6.0	78
7	Ultrafast Chemical Exchange Dynamics of Hydrogen Bonds Observed via Isonitrile Infrared Sensors: Implications for Biomolecular Studies. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7878-7883.	4.6	7
8	Two-Dimensional Spectroscopy Is Being Used to Address Core Scientific Questions in Biology and Materials Science. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1771-1780.	2.6	65
9	Site-specific detection of protein secondary structure using 2D IR dihedral indexing: a proposed assembly mechanism of oligomeric hIAPP. <i>Chemical Science</i> , 2018, 9, 463-474.	7.4	32
10	Spectroscopic Signature for Stable $\beta^2$ -Amyloid Fibrils versus $\beta^2$ -Sheet-Rich Oligomers. <i>Journal of Physical Chemistry B</i> , 2018, 122, 144-153.	2.6	53
11	Structural Polymorphs Suggest Competing Pathways for the Formation of Amyloid Fibrils That Diverge from a Common Intermediate Species. <i>Biochemistry</i> , 2018, 57, 6470-6478.	2.5	23
12	Effects of Angiotensin-Converting Enzyme Inhibition on Circulating Endothelial Progenitor Cells in Patients with Acute Ischemic Stroke. <i>Stem Cells International</i> , 2018, 2018, 1-10.	2.5	5
13	Probing the Effects of Gating on the Ion Occupancy of the K <sup>+</sup> Channel Selectivity Filter Using Two-Dimensional Infrared Spectroscopy. <i>Journal of the American Chemical Society</i> , 2017, 139, 8837-8845.	13.7	30
14	Site-Specific Characterization of Cytochrome P450cam Conformations by Infrared Spectroscopy. <i>Analytical Chemistry</i> , 2016, 88, 6598-6606.	6.5	23
15	Instantaneous ion configurations in the K <sup>+</sup> ion channel selectivity filter revealed by 2D IR spectroscopy. <i>Science</i> , 2016, 353, 1040-1044.	12.6	174
16	Isonitrile as an Ultrasensitive Infrared Reporter of Hydrogen-Bonding Structure and Dynamics. <i>Journal of Physical Chemistry B</i> , 2016, 120, 10167-10180.	2.6	37
17	Ultrafast Structural Fluctuations of Myoglobin-Bound Thiocyanate and Selenocyanate Ions Measured with Two-Dimensional Infrared Photon Echo Spectroscopy. <i>ChemPhysChem</i> , 2015, 16, 3468-3476.	2.1	15
18	Modulation of the Hydrogen Bonding Structure of Water by Renal Osmolytes. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 2773-2779.	4.6	34

#	ARTICLE	IF	CITATIONS
19	Distributed Multipolar Expansion Approach to Calculation of Excitation Energy Transfer Couplings. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 3259-3266.	5.3	21
20	$^{12}\text{C}$ -Isocyanoalanine as an IR probe: comparison of vibrational dynamics between isonitrile and nitrile-derivatized IR probes. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 11770-11778.	2.8	36
21	Vibrational dynamics of thiocyanate and selenocyanate bound to horse heart myoglobin. <i>Journal of Chemical Physics</i> , 2014, 140, 235104.	3.0	15
22	Infrared Pump-Probe Study of Nanoconfined Water Structure in Reverse Micelle. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3404-3407.	4.6	17
23	Induced Optical Activity of DNA-Templated Cyanine Dye Aggregates: Exciton Coupling Theory and TD-DFT Studies. <i>Journal of Physical Chemistry A</i> , 2013, 117, 5909-5918.	2.5	13
24	Resonance-assisted hydrogen bonds revisited. Resonance stabilization vs. charge delocalization. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 2514.	2.8	71