

# Pavel Mal'Ā<sup>1/2</sup>

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

553  
citations

567281

15  
h-index

642732

23  
g-index

30  
all docs

30  
docs citations

30  
times ranked

606  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facing the fluctuations. <i>Nature Chemistry</i> , 2022, 14, 121-123.	13.6	0
2	Direct comparison of molecular-beam vs liquid-phase pump-probe and two-dimensional spectroscopy on the example of azulene. <i>Journal of Chemical Physics</i> , 2022, 157, .	3.0	4
3	Fluorescence band exchange narrowing in a series of squaraine oligomers: energetic vs. structural disorder. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 18393-18403.	2.8	9
4	Anisotropy in fifth-order exciton-exciton-interaction two-dimensional spectroscopy. <i>Journal of Chemical Physics</i> , 2021, 154, 154202.	3.0	5
5	Fluorescence-Detected Pump-Probe Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 18867-18875.	13.8	16
6	Fluoreszenz-detektierte Pump-Probe-Spektroskopie. <i>Angewandte Chemie</i> , 2021, 133, 19015-19024.	2.0	0
7	From wavelike to sub-diffusive motion: exciton dynamics and interaction in squaraine copolymers of varying length. <i>Chemical Science</i> , 2020, 11, 456-466.	7.4	38
8	Signatures of exciton dynamics and interaction in coherently and fluorescence-detected four- and six-wave-mixing two-dimensional electronic spectroscopy. <i>Journal of Chemical Physics</i> , 2020, 153, 144204.	3.0	23
9	Coherently and fluorescence-detected two-dimensional electronic spectroscopy: direct comparison on squaraine dimers. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 21222-21237.	2.8	30
10	Quantum dissipation driven by electron transfer within a single molecule investigated with atomic force microscopy. <i>Nature Communications</i> , 2020, 11, 1337.	12.8	18
11	Probing Exciton Transport in Squaraine Polymers Using Fifth-Order Two-Dimensional Spectroscopy. , 2020, , .		0
12	Coherently and Fluorescence-Detected Four- and Six-Wave-Mixing Two-Dimensional Electronic Spectroscopy: Measuring Multi-Exciton Dynamics and Delocalization. , 2020, , .		0
13	Strong plasmonic fluorescence enhancement of individual plant light-harvesting complexes. <i>Nanoscale</i> , 2019, 11, 15139-15146.	5.6	16
14	Interplay between structural hierarchy and exciton diffusion in artificial light harvesting. <i>Nature Communications</i> , 2019, 10, 4615.	12.8	44
15	Rapid multiple-quantum three-dimensional fluorescence spectroscopy disentangles quantum pathways. <i>Nature Communications</i> , 2019, 10, 4735.	12.8	27
16	Electron-vibrational coupling decreases trapping by low-energy states in photosynthesis. <i>Chemical Physics</i> , 2019, 522, 69-76.	1.9	5
17	Mechanistic Regimes of Vibronic Transport in a Heterodimer and the Design Principle of Incoherent Vibronic Transport in Phycobiliproteins. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2665-2670.	4.6	32
18	Robust light harvesting by a noisy antenna. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4360-4372.	2.8	13

#	ARTICLE	IF	CITATIONS
19	From isolated light-harvesting complexes to the thylakoid membrane: a single-molecule perspective. <i>Nanophotonics</i> , 2018, 7, 81-92.	6.0	12
20	Signatures of Exciton Delocalization and Exciton Annihilation in Fluorescence-Detected Two-Dimensional Coherent Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5654-5659.	4.6	45
21	Interplay of disorder and delocalization in photosynthetic light harvesting. <i>Current Opinion in Chemical Biology</i> , 2018, 47, 1-6.	6.1	10
22	Polarization-controlled optimal scatter suppression in transient absorption spectroscopy. <i>Scientific Reports</i> , 2017, 7, 43484.	3.3	10
23	How reduced excitonic coupling enhances light harvesting in the main photosynthetic antennae of diatoms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E11063-E11071.	7.1	26
24	Estimation of damped oscillation associated spectra from ultrafast transient absorption spectra. <i>Journal of Chemical Physics</i> , 2016, 145, 174201.	3.0	18
25	Single Molecule Spectroscopy of Monomeric LHCII: Experiment and Theory. <i>Scientific Reports</i> , 2016, 6, 26230.	3.3	13
26	The Role of Resonant Vibrations in Electronic Energy Transfer. <i>ChemPhysChem</i> , 2016, 17, 1356-1368.	2.1	56
27	Ultrafast energy relaxation in single light-harvesting complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2934-2939.	7.1	35
28	The Role of Exciton Delocalization in the Major Photosynthetic Light-Harvesting Antenna of Plants. <i>Biophysical Journal</i> , 2015, 108, 1047-1056.	0.5	26
29	Dynamic coherence in excitonic molecular complexes under various excitation conditions. <i>Chemical Physics</i> , 2014, 439, 100-110.	1.9	22