Pavel MalÃ½

List of Publications by Year
in descending order

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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	The Role of Resonant Vibrations in Electronic Energy Transfer. ChemPhysChem, 2016, 17, 1356-1368.	2.1	56
2	Signatures of Exciton Delocalization and Excitonâ€“Exciton Annihilation in Fluorescence-Detected Two-Dimensional Coherent Spectroscopy. Journal of Physical Chemistry Letters, 2018, 9, 5654-5659.	4.6	45
3	Interplay between structural hierarchy and exciton diffusion in artificial light harvesting. Nature Communications, 2019, 10, 4615.	12.8	44
4	From wavelike to sub-diffusive motion: exciton dynamics and interaction in squaraine copolymers of varying length. Chemical Science, 2020, 11, 456-466.	7.4	38
5	Ultrafast energy relaxation in single light-harvesting complexes. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2934-2939.	7.1	35
6	Mechanistic Regimes of Vibronic Transport in a Heterodimer and the Design Principle of Incoherent Vibronic Transport in Phycobiliproteins. Journal of Physical Chemistry Letters, 2018, 9, 2665-2670.	4.6	32
7	Coherently and fluorescence-detected two-dimensional electronic spectroscopy: direct comparison on squaraine dimers. Physical Chemistry Chemical Physics, 2020, 22, 21222-21237.	2.8	30
8	Rapid multiple-quantum three-dimensional fluorescence spectroscopy disentangles quantum pathways. Nature Communications, 2019, 10, 4735.	12.8	27
9	The Role of Exciton Delocalization in the Major Photosynthetic Light-Harvesting Antenna of Plants. Biophysical Journal, 2015, 108, 1047-1056.	0.5	26
10	How reduced excitonic coupling enhances light harvesting in the main photosynthetic antennae of diatoms. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E11063-E11071.	7.1	26
11	Signatures of exciton dynamics and interaction in coherently and fluorescence-detected four- and six-wave-mixing two-dimensional electronic spectroscopy. Journal of Chemical Physics, 2020, 153, 144204.	3.0	23
12	Dynamic coherence in excitonic molecular complexes under various excitation conditions. Chemical Physics, 2014, 439, 100-110.	1.9	22
13	Estimation of damped oscillation associated spectra from ultrafast transient absorption spectra. Journal of Chemical Physics, 2016, 145, 174201.	3.0	18
14	Quantum dissipation driven by electron transfer within a single molecule investigated with atomic force microscopy. Nature Communications, 2020, 11, 1337.	12.8	18
15	Strong plasmonic fluorescence enhancement of individual plant light-harvesting complexes. Nanoscale, 2019, 11, 15139-15146.	5.6	16
16	Fluorescenceâ€Detected Pumpâ€“Probe Spectroscopy. Angewandte Chemie - International Edition, 2021, 60, 18867-18875.	13.8	16
17	Single Molecule Spectroscopy of Monomeric LHCII: Experiment and Theory. Scientific Reports, 2016, 6, 26230.	3.3	13
18	Robust light harvesting by a noisy antenna. Physical Chemistry Chemical Physics, 2018, 20, 4360-4372.	2.8	13

#	Article	IF	Citations
19	From isolated light-harvesting complexes to the thylakoid membrane: a single-molecule perspective. Nanophotonics, 2018, 7, 81-92.	6.0	12
20	Polarization-controlled optimal scatter suppression in transient absorption spectroscopy. Scientific Reports, 2017, 7, 43484.	3.3	10
21	Interplay of disorder and delocalization in photosynthetic light harvesting. Current Opinion in Chemical Biology, 2018, 47, 1-6.	6.1	10
22	Fluorescence band exchange narrowing in a series of squaraine oligomers: energetic vs. structural disorder. Physical Chemistry Chemical Physics, 2021, 23, 18393-18403.	2.8	9
23	Electron-vibrational coupling decreases trapping by low-energy states in photosynthesis. Chemical Physics, 2019, 522, 69-76.	1.9	5
24	Anisotropy in fifth-order excitonâ€“exciton-interaction two-dimensional spectroscopy. Journal of Chemical Physics, 2021, 154, 154202.	3.0	5
25	Direct comparison of molecular-beam vs liquid-phase pumpâ€“probe and two-dimensional spectroscopy on the example of azulene. Journal of Chemical Physics, 2022, 157, .	3.0	4
26	Fluoreszenzâ€detektierte Pumpâ€Probeâ€Spektroskopie. Angewandte Chemie, 2021, 133, 19015-19024.	2.0	0
27	Probing Exciton Transport in Squaraine Polymers Using Fifth-Order Two-Dimensional Spectroscopy. , 2020, , .		0
28	Coherently and Fluorescence-Detected Four- and Six-Wave-Mixing Two-Dimensional Electronic Spectroscopy: Measuring Multi-Exciton Dynamics and Delocalization. , 2020, , .		0
29	Facing the fluctuations. Nature Chemistry, 2022, 14, 121-123.	13.6	0