

Nikolaus P Ernsting

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

731
citations

516561

16
h-index

794469

19
g-index

20
all docs

20
docs citations

20
times ranked

936
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast Solvation of N-Methyl-6-quinolone Probes Local IR Spectrum. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5635-5639.	7.2	120
2	Femtosecond fluorescence spectroscopy by upconversion with tilted gate pulses. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 1716-1725.	1.3	80
3	Polar solvation dynamics in water and methanol: search for molecularity. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 17768.	1.3	76
4	Conductivity and Solvation Dynamics in Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1205-1210.	2.1	60
5	Femtosecond broadband fluorescence upconversion spectroscopy: Spectral coverage versus efficiency. <i>Review of Scientific Instruments</i> , 2016, 87, 053115.	0.6	60
6	Electronic and vibrational coherence effects in broadband transient absorption spectroscopy with chirped supercontinuum probing. <i>Journal of Chemical Physics</i> , 2003, 119, 988-1002.	1.2	46
7	Time-resolved fluorescence methods (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2014, 86, 1969-1998.	0.9	39
8	Terahertz Absorption Spectroscopy of a Liquid Using a Polarity Probe: A Case Study of Trehalose/Water Mixtures. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 454-457.	7.2	37
9	Observing the Hydration Layer of Trehalose with a Linked Molecular Terahertz Probe. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1845-1849.	2.1	35
10	Resonance Femtosecond-Stimulated Raman Spectroscopy without Actinic Excitation Showing Low-Frequency Vibrational Activity in the S ₂ State of All-Trans β^2 -Carotene. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1216-1220.	2.1	28
11	Tuning Stilbene Photochemistry by Fluorination: State Reordering Leads to Sudden Polarization near the Franck-Condon Region. <i>Journal of the American Chemical Society</i> , 2017, 139, 15265-15274.	6.6	23
12	Sub-picosecond fluorescence evolution of amino-cyano-stilbenes in methanol: polar solvation obeys continuum theory without evidence of twisting. <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 2043.	1.3	21
13	An Ab Initio Microscope: Molecular Contributions to the Femtosecond Time-Dependent Fluorescence Shift of a Reichardt-Type Dye. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1813-1816.	7.2	21
14	Mechanism-Dependent Modulation of Ultrafast Interfacial Water Dynamics in Intrinsically Disordered Protein Complexes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4720-4724.	7.2	19
15	β^2 -Carotene Revisited by Transient Absorption and Stimulated Raman Spectroscopy. <i>ChemPhysChem</i> , 2015, 16, 3824-3835.	1.0	18
16	Perpendicular State of an Electronically Excited Stilbene: Observation by Femtosecond-Stimulated Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 4047-4052.	2.1	17
17	Rotamer-Specific Photoisomerization of Difluorostilbenes from Transient Absorption and Transient Raman Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1049-1059.	1.2	15
18	Effect of a Tertiary Butyl Group on Polar Solvation Dynamics in Aqueous Solution: Femtosecond Fluorescence Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2017, 121, 9631-9638.	1.2	13

#	ARTICLE	IF	CITATIONS
19	Operationally Simple and Selective One-Pot Synthesis of Hydroxyphenones: A Facile Access to SNARF Dyes. <i>Synthesis</i> , 2016, 48, 1217-1225.	1.2	3