Friedrich Temps

List of Publications by Year
in descending order

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43	1,785	279798	265206
papers	citations	23 h-index	42 g-index

44	44	44	1871
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient reversible photoisomerisation with large solvodynamic size-switching of a main chain poly(azobenzene-alt-trisiloxane). Journal of Materials Chemistry C, 2020, 8, 1835-1845.	5.5	9
2	Ultrafast Intersystem Crossing and Structural Dynamics of [Pt(ppy)(Î¼-^tBu₂pz)]₂. Inorganic Chemistry, 2020, 59, 14643-14653.	4.0	17
3	Long-lived Excited States in 7- and 9-Methylpurine Probed by fs Time-Resolved Vibrational Absorption Spectroscopy. , 2020, , .		0
4	Ultrafast Photodynamics of an Azopyridine-Functionalized Iron(II) Complex: Implications for the Concept of Ligand-Driven Light-Induced Spin Change. Journal of Physical Chemistry Letters, 2019, 10, 6048-6054.	4.6	8
5	Ultrafast excitation energy transfer in a benzimidazoleâ€“naphthopyran donorâ€“acceptor dyad. Physical Chemistry Chemical Physics, 2019, 21, 2080-2092.	2.8	10
6	Electronic Relaxation Dynamics of UV-Photoexcited 2-Aminopurineâ€“Thymine Base Pairs in Watsonâ€“Crick and Hoogsteen Conformations. Journal of Physical Chemistry B, 2019, 123, 2904-2914.	2.6	7
7	Ultrafast dynamics of the ESIPT photoswitch N-(3-pyridinyl)-2-pyridinecarboxamide. Physical Chemistry Chemical Physics, 2018, 20, 2646-2655.	2.8	29
8	Resonance dynamics of DCO (X̃ƒâ€‰Aâ€²2) simulated with the dynamically pruned discrete variable representation (DP-DVR). Journal of Chemical Physics, 2018, 148, 204309.	3.0	4
9	Efficient intersystem crossing in 2-aminopurine riboside probed by femtosecond time-resolved transient vibrational absorption spectroscopy. Physical Chemistry Chemical Physics, 2018, 20, 20033-20042.	2.8	3
10	Real-time observation of multi-mode vibronic coherence in pentafluoropyridine. Journal of Chemical Physics, 2017, 147, 013938.	3.0	5
11	Note: Energy calibration of a femtosecond photoelectron imaging detector with correction for the ponderomotive shift of atomic ionization energies. Review of Scientific Instruments, 2017, 88, 046101.	1.3	6
12	Ultrafast dynamics of UV-excited trans- and cis-ferulic acid in aqueous solutions. Physical Chemistry Chemical Physics, 2017, 19, 30683-30694.	2.8	20
13	Ultrafast Electronic Deactivation Dynamics of Xanthosine Monophosphate. Molecules, 2017, 22, 160.	3.8	2
14	Ultrafast Î± â€“CC bond cleavage of acetone upon excitation to 3p and 3d Rydberg states by femtosecond time-resolved photoelectron imaging. Journal of Chemical Physics, 2016, 145, 214312.	3.0	15
15	Long-lived coherence in pentafluorobenzene as a probe of Ï€Ï€* â€“ Ï€Ïƒ* vibronic coupling. Journal of Chemical Physics, 2016, 145, 014302.	3.0	20
16	Probing the excited state relaxation dynamics of pyrimidine nucleosides in chloroform solution. Faraday Discussions, 2016, 194, 683-708.	3.2	31
17	Ultraviolet Absorption Induces Hydrogenâ€Atom Transfer in Gâ‹…C Watsonâ€“Crick DNA Base Pairs in Solution. Angewandte Chemie - International Edition, 2015, 54, 14719-14722.	13.8	54
18	A femtosecond pumpâ€“probe spectrometer for dynamics in transmissive polymer films. Applied Physics B: Lasers and Optics, 2015, 118, 185-193.	2.2	14

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19	Femtosecond spectroscopy reveals huge differences in the photoisomerisation dynamics between azobenzenes linked to polymers and azobenzenes in solution. Physical Chemistry Chemical Physics, 2014, 16, 11549.	2.8	21
20	Ultrafast Z â†' E photoisomerisation of structurally modified furylfulgides. Physical Chemistry Chemical Physics, 2014, 16, 19556-19563.	2.8	10
21	Enhanced photoswitching and ultrafast dynamics in structurally modified photochromic fulgides. International Reviews in Physical Chemistry, 2013, 32, 1-38.	2.3	30
22	Sequential photoisomerisation dynamics of the push-pull azobenzene Disperse Red 1. Photochemical and Photobiological Sciences, 2012, 11, 1210-1219.	2.9	28
23	Ultrafast electronic deactivation dynamics of the rare natural nucleobase hypoxanthine. Chemical Physics Letters, 2012, 536, 140-146.	2.6	39
24	Superior Z â†' E and E â†' Z photoswitching dynamics of dihydrodibenzodiazocine, a bridged azobenzene, by S₁(nÏ€*) excitation at Î» = 387 and 490 nm. Physical Chemistry Chemical Physics, 2011, 13, 1054-1063.	2.8	86
25	Tuning of switching properties and excited-state dynamics of fulgides by structural modifications. Physical Chemistry Chemical Physics, 2011, 13, 3800.	2.8	26
26	A Modified Four-State Model for the â€œDual Fluorescenceâ€•of N⁶,N⁶-Dimethyladenine Derived from Femtosecond Fluorescence Spectroscopy. Journal of Physical Chemistry A, 2009, 113, 13113-13123.	2.5	24
27	Ultrashort Fluorescence Lifetimes of Hydrogen-Bonded Base Pairs of Guanosine and Cytidine in Solution. Journal of Physical Chemistry B, 2009, 113, 16365-16376.	2.6	46
28	Highly Efficient ReversibleZâ^'EPhotoisomerization of a Bridged Azobenzene with Visible Light through Resolved S₁(nÏ€*) Absorption Bands. Journal of the American Chemical Society, 2009, 131, 15594-15595.	13.7	445
29	Parallel ultrafast Eâ€“C ring closure and Eâ€“Z isomerisation in a photochromic furylfulgide studied by femtosecond time-resolved spectroscopy. Physical Chemistry Chemical Physics, 2009, 11, 5952.	2.8	35
30	Ultrafast nonradiative dynamics in electronically excited hexafluorobenzene by femtosecond time-resolved mass spectrometry. Journal of Chemical Physics, 2008, 128, 164314.	3.0	27
31	Ultrafast Electronic Relaxation in Guanosine is Promoted by Hydrogen Bonding with Cytidine. Journal of the American Chemical Society, 2007, 129, 9272-9273.	13.7	113
32	Ultrafast transient absorption spectroscopy of the photo-induced Zâ€“E isomerization of a photochromic furylfulgide. Chemical Physics Letters, 2006, 428, 62-67.	2.6	28
33	Inversion of velocity map ion images using iterative regularization and cross validation. Review of Scientific Instruments, 2006, 77, 033103.	1.3	26
34	Femtosecond fluorescence up-conversion spectroscopy of adenine and adenosine: experimental evidence for the Ï€Ïƒ* state?. Chemical Physics, 2005, 313, 199-212.	1.9	93
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37	Rotational state-dependent mixings between resonance states of vibrationally highly excited DCO (Xì*f*â€Š2Aâ€²). Journal of Chemical Physics, 2004, 120, 10530-10542.	3.0	3
38	Photodissociation dynamics of pyrrole: Evidence for mode specific dynamics from conical intersections. Faraday Discussions, 2004, 127, 267.	3.2	105
39	Photofragment velocity map imaging of H atom elimination in the first excited state of pyrrole. Physical Chemistry Chemical Physics, 2003, 5, 315-320.	2.8	128
40	Intramolecular vibrational energy redistribution, mode specificity, and nonexponential unimolecular decay dynamics of vibrationally highly excited states of DCO (Xì*f*â€Š2Aâ€²). Journal of Chemical Physics, 2003, 118, 659-668.	3.0	9
41	Analysis of Vibrationally Highly Excited Bound and Resonance States of DCO (X Ëœ2Aâ€²) Using an Effective Polyad Hamiltonian. Zeitschrift Fur Physikalische Chemie, 2001, 215, .	2.8	15
42	Unimolecular dissociation dynamics of highly vibrationally excited DCO(Xì*f*â€‰2A). II. Calculation of resonance energies and widths and comparison with high-resolution spectroscopic data. Journal of Chemical Physics, 1997, 106, 5359-5378.	3.0	56
43	Unimolecular dissociation dynamics of highly vibrationally excited DCO(Xì*f*â€‰2A). I. Investigation of dissociative resonance states by stimulated emission pumping spectroscopy. Journal of Chemical Physics, 1997, 106, 5333-5358.	3.0	54