

Thomas Lenzer

List of Publications by Year in descending order

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49
papers

1,359
citations

304743

22
h-index

361022

35
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all docs

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docs citations

49
times ranked

1487
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping the broadband circular dichroism of copolymer films with supramolecular chirality in time and space. <i>Nature Communications</i> , 2022, 13, 210.	12.8	12
2	Spatiotemporal Mapping of Efficient Chiral Induction by Helicene-Type Additives in Copolymer Thin Films. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	8
3	Photoinduced Dynamics of (CH ₃) ₃ NH ₃ ⁺ Cu ₂ Br ₆ Thin Films Indicating Efficient Triplet Photoluminescence. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2736-2741.	4.6	12
4	Direct Observation of the Exciton Self-Trapping Process in CsCu ₂ I ₃ Thin Films. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4286-4291.	4.6	45
5	Ultrafast UV-Vis Transient Absorption and Circular Dichroism Spectroscopy of a Polyfluorene Copolymer Showing Large Chiral Induction. <i>Journal of Physical Chemistry C</i> , 2020, 124, 10192-10200.	3.1	17
6	Ultrafast Carrier Recombination and Transient Lattice Temperature Changes in 25 nm Thin Hydrogenated Amorphous Silicon Films. <i>ACS Applied Electronic Materials</i> , 2019, 1, 2396-2405.	4.3	2
7	Ultrafast Broadband Transient Absorption and Circular Dichroism Reveal Relaxation of a Chiral Copolymer. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5160-5166.	4.6	16
8	Influence of phenylethylammonium iodide as additive in the formamidinium tin iodide perovskite on interfacial characteristics and charge carrier dynamics. <i>APL Materials</i> , 2019, 7, .	5.1	21
9	Coherent acoustic phonon dynamics in chiral copolymers. <i>Structural Dynamics</i> , 2019, 6, 064502.	2.3	6
10	Exciton and Coherent Phonon Dynamics in the Metal-Deficient Defect Perovskite (CH ₃) ₃ NH ₃ ⁺ Sb ₂ I ₉ . <i>Journal of Physical Chemistry C</i> , 2018, 122, 5854-5863.	3.1	31
11	Pronounced exciton and coherent phonon dynamics in BiI ₃ . <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 10677-10685.	2.8	19
12	Exciton Dynamics and Electron-Phonon Coupling Affect the Photovoltaic Performance of the Cs ₂ AgBiBr ₆ Double Perovskite. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25940-25947.	3.1	127
13	Intramolecular and interfacial dynamics of triarylamine-based hole transport materials. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 722-733.	2.9	4
14	Excited-state dynamics of 3,3'-dihydroxyisorenieratene and (3R,3'R)-zeaxanthin: Observation of vibrationally hot SO species. <i>Archives of Biochemistry and Biophysics</i> , 2018, 646, 137-144.	3.0	10
15	Ultrafast electron and hole transfer dynamics of a solar cell dye containing hole acceptors on mesoporous TiO ₂ and Al ₂ O ₃ . <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 7158-7166.	2.8	14
16	Pronounced Exciton Dynamics in the Vacancy-Ordered Bismuth Halide Perovskite (CH ₃) ₃ NH ₃ ⁺ Bi ₂ I ₉ Observed by Ultrafast UV-vis-NIR Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2017, 121, 12110-12116.	3.1	39
17	Ultrafast Excited-State Dynamics of <i>all-trans</i> -Capsanthin in Organic Solvents. <i>Journal of Physical Chemistry A</i> , 2017, 121, 8380-8388.	2.5	7
18	Photoinduced dynamics of the hole-transport material H101 in organic solvents and on mesoporous Al ₂ O ₃ and TiO ₂ thin films. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 21748-21758.	2.8	7

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19	Quantifying ultrafast charge carrier injection from methylammonium lead iodide into the hole-transport material H101 and mesoporous TiO ₂ using Vis-NIR transient absorption. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 17952-17959.	2.8	5
20	A comprehensive picture of the ultrafast excited-state dynamics of retinal. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14941-14948.	2.8	12
21	Excited-state relaxation of the solar cell dye D49 in organic solvents and on mesoporous Al ₂ O ₃ and TiO ₂ thin films. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 26010-26019.	2.8	28
22	Charge carrier dynamics of methylammonium lead iodide: from PbI ₂ -rich to low-dimensional broadly emitting perovskites. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10800-10808.	2.8	51
23	Four- and Sixfold Tandem Domino Reactions Leading to Dimeric Tetrasubstituted Alkenes Suitable as Molecular Switches. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 10317-10321.	13.8	42
24	Excited State Dynamics of Selected All-trans C ₄₀ Xanthophyll Carotenoids. <i>Zeitschrift Fur Physikalische Chemie</i> , 2015, 229, 1815-1830.	2.8	5
25	Ultrafast photoinduced dynamics of the organolead trihalide perovskite CH ₃ NH ₃ PbI ₃ on mesoporous TiO ₂ scaffolds in the 320-920 nm range. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 19238-19246.	2.8	54
26	Collisional relaxation of apocarotenals: identifying the S* state with vibrationally excited molecules in the ground electronic state S ₀ *. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 10478-10488.	2.8	20
27	Ultrafast Dynamics of the Indoline Dye D149 on Mesoporous ZnO and Al ₂ O ₃ Thin Films. <i>Zeitschrift Fur Physikalische Chemie</i> , 2015, 229, 1907-1928.	2.8	9
28	Electron and hole transfer dynamics of a triarylamine-based dye with peripheral hole acceptors on TiO ₂ in the absence and presence of solvent. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 8019.	2.8	38
29	Observation of Ultrafast Carrier Dynamics and Phonon Relaxation of Graphene from the Deep-Ultraviolet to the Visible Region. <i>Journal of Physical Chemistry C</i> , 2014, 118, 6454-6461.	3.1	47
30	Photoinduced ultrafast dynamics of the triphenylamine-based organic sensitizer D35 on TiO ₂ , ZrO ₂ and in acetonitrile. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 3906.	2.8	42
31	Ultrafast photoinduced dynamics of the 3,6-diaminoacridinium derivative ATTO 465 in solution. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 1844-1853.	2.8	15
32	Ultrafast dynamics of the indoline dye D149 on electrodeposited ZnO and sintered ZrO ₂ and TiO ₂ thin films. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 15429.	2.8	44
33	Probing the Local Polarity of Alkylammonium Formate Ionic Liquids and Their Mixtures with Water by Using a Carbonyl Carotenoid. <i>ChemPhysChem</i> , 2012, 13, 1854-1859.	2.1	12
34	Ultrafast photoinduced relaxation dynamics of the indoline dye D149 in organic solvents. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 19632.	2.8	40
35	Ultrafast excited state dynamics and spectroscopy of 13,13-diphenyl-1,2-carotene. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 6340.	2.8	46
36	12- <i>apo</i> -12-carotenal: An Ultrafast Sensitive Molecule for Probing Local Interactions in Ionic Liquids. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2230-2232.	13.8	27

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37	Ultrafast solvation dynamics of 12 β -apo- β -carotenoic-12 β -acid in [C6mim][Tf2N]. <i>Chemical Physics</i> , 2010, 373, 45-49.	1.9	10
38	Assignment of carotene S* state features to the vibrationally hot ground electronic state. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 8832.	2.8	68
39	Femtosecond pump-supercontinuum probe and transient lens spectroscopy of adonixanthin. <i>Archives of Biochemistry and Biophysics</i> , 2009, 483, 213-218.	3.0	38
40	Exploring 12 β -Apo- β -carotenoic-12 β -acid as an Ultrafast Polarity Probe for Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2008, 112, 3048-3057.	2.6	20
41	Solvent-dependent ultrafast internal conversion dynamics of n β -apo- β -carotenoic-n β -acids (n = 8, 10, 12). <i>Physical Chemistry Chemical Physics</i> , 2008, 10, 2180.	2.8	53
42	Excited-State Dynamics of 12 β -Apo- β -caroten-12 β -al and 8 β -Apo- β -caroten-8 β -al in Supercritical CO ₂ , N ₂ O, and CF ₃ H. <i>Journal of Physical Chemistry B</i> , 2008, 112, 16690-16700.	2.6	17
43	Evidence for an Intramolecular Charge Transfer State in 12 β -Apo- β -caroten-12 β -al and 8 β -Apo- β -caroten-8 β -al: Influence of Solvent Polarity and Temperature. <i>Journal of Physical Chemistry A</i> , 2007, 111, 5370-5381.	2.5	58
44	Investigation of the S ₁ /ICT \rightarrow S ₀ Internal Conversion Lifetime of 4 β -apo- β -caroten-4 β -al and 8 β -apo- β -caroten-8 β -al: Dependence on Conjugation Length and Solvent Polarity. <i>Journal of Physical Chemistry A</i> , 2007, 111, 2257-2265.	2.5	68
45	Extremely strong solvent dependence of the S ₁ \rightarrow S ₀ internal conversion lifetime of 12 β -apo- β -caroten-12 β -al. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 2499-2505.	2.8	45
46	Transient Lens Spectroscopy of Ultrafast Internal Conversion Processes in Citranaxanthin. <i>Journal of Physical Chemistry A</i> , 2006, 110, 3159-3164.	2.5	10
47	Ultrafast transient lens spectroscopy of various C ₄₀ carotenoids: lycopene, β -carotene, (3R,3 β -zeaxanthin, (3R,3 β ,6 β -lutein, echinenone, canthaxanthin, and astaxanthin. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 2793.	2.8	35
48	Ultrafast excited-state dynamics of thin films consisting of helicene-like molecules based on dibenzo[c,h]acridine. <i>Molecular Physics</i> , 0, , e1959072.	1.7	3
49	Spatiotemporal Mapping of Efficient Chiral Induction by Helicene-Type Additives in Copolymer Thin Films. <i>Angewandte Chemie</i> , 0, , .	2.0	0