

Hung-Tzu Chang

List of Publications by Year in descending order

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papers

701
citations

567144

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20
docs citations

20
times ranked

903
citing authors

#	ARTICLE	IF	CITATIONS
1	Competition between H_2O and $(H_2O)_2$ reactions with CH_2OO/CH_3CHO . <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4557-4568.	1.3	144
2	Direct and simultaneous observation of ultrafast electron and hole dynamics in germanium. <i>Nature Communications</i> , 2017, 8, 15734.	5.8	117
3	Ultrafast carrier thermalization and trapping in silicon-germanium alloy probed by extreme ultraviolet transient absorption spectroscopy. <i>Structural Dynamics</i> , 2017, 4, 044029.	0.9	42
4	Femtosecond tracking of carrier relaxation in germanium with extreme ultraviolet transient reflectivity. <i>Physical Review B</i> , 2018, 97, .	1.1	40
5	Hot phonon and carrier relaxation in Si(100) determined by transient extreme ultraviolet spectroscopy. <i>Structural Dynamics</i> , 2018, 5, 054302.	0.9	39
6	Simultaneous Observation of Carrier-Specific Redistribution and Coherent Lattice Dynamics in $2H-MoTe_2$ with Femtosecond Core-Level Spectroscopy. <i>ACS Nano</i> , 2020, 14, 15829-15840.	7.3	38
7	Attosecond Time-Domain Measurement of Core-Level-Exciton Decay in Magnesium Oxide. <i>Physical Review Letters</i> , 2020, 124, 207401.	2.9	34
8	Criteria for the accuracy of small polaron quantum master equation in simulating excitation energy transfer dynamics. <i>Journal of Chemical Physics</i> , 2013, 139, 224112.	1.2	30
9	Coherent versus incoherent excitation energy transfer in molecular systems. <i>Journal of Chemical Physics</i> , 2012, 137, 165103.	1.2	27
10	Photoexcited Small Polaron Formation in Goethite (\pm -FeOOH) Nanorods Probed by Transient Extreme Ultraviolet Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4120-4124.	2.1	26
11	Table-top extreme ultraviolet second harmonic generation. <i>Science Advances</i> , 2021, 7, .	4.7	26
12	Differentiating Photoexcited Carrier and Phonon Dynamics in the $\hat{\Gamma}$, $\langle i \rangle$, and $\hat{\Gamma}'$ Valleys of Si(100) with Transient Extreme Ultraviolet Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2019, 123, 3343-3352.	1.5	23
13	Electron thermalization and relaxation in laser-heated nickel by few-femtosecond core-level transient absorption spectroscopy. <i>Physical Review B</i> , 2021, 103, .	1.1	21
14	Simultaneous generation of sub-5-femtosecond 400 nm and 800 nm pulses for attosecond extreme ultraviolet pump-probe spectroscopy. <i>Optics Letters</i> , 2016, 41, 5365.	1.7	17
15	Solid state core-exciton dynamics in NaCl observed by tabletop attosecond four-wave mixing spectroscopy. <i>Physical Review B</i> , 2021, 103, .	1.1	17
16	Carrier-specific dynamics in $2H-MoTe_2$ observed by femtosecond soft x-ray absorption spectroscopy using an x-ray free-electron laser. <i>Structural Dynamics</i> , 2021, 8, 014501.	0.9	14
17	Source noise suppression in attosecond transient absorption spectroscopy by edge-pixel referencing. <i>Optics Express</i> , 2021, 29, 951.	1.7	14
18	Coupled valence carrier and core-exciton dynamics in WS_2 probed by few-femtosecond extreme ultraviolet transient absorption spectroscopy. <i>Physical Review B</i> , 2021, 104, .	1.1	13

#	ARTICLE	IF	CITATIONS
19	Retrieval of the complex-valued refractive index of germanium near the $M_{4,5}$ absorption edge. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 1716.	0.9	13
20	Characterization of Carrier Cooling Bottleneck in Silicon Nanoparticles by Extreme Ultraviolet (XUV) Transient Absorption Spectroscopy. Journal of Physical Chemistry C, 2021, 125, 9319-9329.	1.5	6