

# Hung-Tzu Chang

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

701  
citations

567144

15  
h-index

752573

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g-index

20  
all docs

20  
docs citations

20  
times ranked

903  
citing authors

#	ARTICLE	IF	CITATIONS
1	Carrier-specific dynamics in 2H-MoTe <sub>2</sub> 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
2	Source noise suppression in attosecond transient absorption spectroscopy by edge-pixel referencing. <i>Optics Express</i> , 2021, 29, 951.	1.7	14
3	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
4	Characterization of Carrier Cooling Bottleneck in Silicon Nanoparticles by Extreme Ultraviolet (XUV) Transient Absorption Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9319-9329.	1.5	6
5	Table-top extreme ultraviolet second harmonic generation. <i>Science Advances</i> , 2021, 7, .	4.7	26
6	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
7	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
8	Simultaneous Observation of Carrier-Specific Redistribution and Coherent Lattice Dynamics in 2H-MoTe <sub>2</sub> with Femtosecond Core-Level Spectroscopy. <i>ACS Nano</i> , 2020, 14, 15829-15840.	7.3	38
9	Attosecond Time-Domain Measurement of Core-Level-Exciton Decay in Magnesium Oxide. <i>Physical Review Letters</i> , 2020, 124, 207401.	2.9	34
10	Differentiating Photoexcited Carrier and Phonon Dynamics in the $\hat{\Gamma}$ , $L$ , 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
11	Retrieval of the complex-valued refractive index of germanium near the $M_{4,5}$ absorption edge. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, 1716.	0.9	13
12	Hot phonon and carrier relaxation in Si(100) determined by transient extreme ultraviolet spectroscopy. <i>Structural Dynamics</i> , 2018, 5, 054302.	0.9	39
13	Femtosecond tracking of carrier relaxation in germanium with extreme ultraviolet transient reflectivity. <i>Physical Review B</i> , 2018, 97, .	1.1	40
14	Photoexcited Small Polaron Formation in Goethite ( $\hat{\Gamma}$ -FeOOH) Nanorods Probed by Transient Extreme Ultraviolet Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4120-4124.	2.1	26
15	Direct and simultaneous observation of ultrafast electron and hole dynamics in germanium. <i>Nature Communications</i> , 2017, 8, 15734.	5.8	117
16	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
17	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
18	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

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19	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
20	Coherent versus incoherent excitation energy transfer in molecular systems. <i>Journal of Chemical Physics</i> , 2012, 137, 165103.	1.2	27