

# Hung-Tzu Chang

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

701  
citations

567281

15  
h-index

752698

20  
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. Structural Dynamics, 2021, 8, 014501.	2.3	14
2	Source noise suppression in attosecond transient absorption spectroscopy by edge-pixel referencing. Optics Express, 2021, 29, 951.	3.4	14
3	Electron thermalization and relaxation in laser-heated nickel by few-femtosecond core-level transient absorption spectroscopy. Physical Review B, 2021, 103, .	3.2	21
4	Characterization of Carrier Cooling Bottleneck in Silicon Nanoparticles by Extreme Ultraviolet (XUV) Transient Absorption Spectroscopy. Journal of Physical Chemistry C, 2021, 125, 9319-9329.	3.1	6
5	Table-top extreme ultraviolet second harmonic generation. Science Advances, 2021, 7, .	10.3	26
6	Solid state core-exciton dynamics in NaCl observed by tabletop attosecond four-wave mixing spectroscopy. Physical Review B, 2021, 103, .	3.2	17
7	Coupled valence carrier and core-exciton dynamics in $WS_2$ probed by few-femtosecond extreme ultraviolet transient absorption spectroscopy. Physical Review B, 2021, 104, .	3.2	13
8	Simultaneous Observation of Carrier-Specific Redistribution and Coherent Lattice Dynamics in 2H-MoTe <sub>2</sub> with Femtosecond Core-Level Spectroscopy. ACS Nano, 2020, 14, 15829-15840.	14.6	38
9	Attosecond Time-Domain Measurement of Core-Level-Exciton Decay in Magnesium Oxide. Physical Review Letters, 2020, 124, 207401.	7.8	34
10	Differentiating Photoexcited Carrier and Phonon Dynamics in the $\hat{\Gamma}$ , $\langle 100 \rangle$ , and $\hat{\Gamma}'$ Valleys of Si(100) with Transient Extreme Ultraviolet Spectroscopy. Journal of Physical Chemistry C, 2019, 123, 3343-3352.	3.1	23
11	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.	2.1	13
12	Hot phonon and carrier relaxation in Si(100) determined by transient extreme ultraviolet spectroscopy. Structural Dynamics, 2018, 5, 054302.	2.3	39
13	Femtosecond tracking of carrier relaxation in germanium with extreme ultraviolet transient reflectivity. Physical Review B, 2018, 97, .	3.2	40
14	Photoexcited Small Polaron Formation in Goethite ( $\hat{\Gamma}$ -FeOOH) Nanorods Probed by Transient Extreme Ultraviolet Spectroscopy. Journal of Physical Chemistry Letters, 2018, 9, 4120-4124.	4.6	26
15	Direct and simultaneous observation of ultrafast electron and hole dynamics in germanium. Nature Communications, 2017, 8, 15734.	12.8	117
16	Ultrafast carrier thermalization and trapping in silicon-germanium alloy probed by extreme ultraviolet transient absorption spectroscopy. Structural Dynamics, 2017, 4, 044029.	2.3	42
17	Simultaneous generation of sub-5-femtosecond 400-nm and 800-nm pulses for attosecond extreme ultraviolet pump-probe spectroscopy. Optics Letters, 2016, 41, 5365.	3.3	17
18	Competition between $H_2O$ and $(H_2O)_2$ reactions with $CH_2OO/CH_3CHO$ . Physical Chemistry Chemical Physics, 2016, 18, 4557-4568.	2.8	144

#	ARTICLE	IF	CITATIONS
19	Criteria for the accuracy of small polaron quantum master equation in simulating excitation energy transfer dynamics. Journal of Chemical Physics, 2013, 139, 224112.	3.0	30
20	Coherent versus incoherent excitation energy transfer in molecular systems. Journal of Chemical Physics, 2012, 137, 165103.	3.0	27