

Helene Seiler

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

446
citations

623734

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713466

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22
times ranked

431
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional electronic spectroscopy reveals liquid-like lineshape dynamics in CsPbI ₃ perovskite nanocrystals. <i>Nature Communications</i> , 2019, 10, 4962.	12.8	63
2	Seeing Multiexcitons through Sample Inhomogeneity: Band-Edge Biexciton Structure in CdSe Nanocrystals Revealed by Two-Dimensional Electronic Spectroscopy. <i>Nano Letters</i> , 2018, 18, 2999-3006.	9.1	44
3	Nuclear dynamics of singlet exciton fission in pentacene single crystals. <i>Science Advances</i> , 2021, 7, .	10.3	31
4	Investigating the electronic structure of confined multiexcitons with nonlinear spectroscopies. <i>Journal of Chemical Physics</i> , 2020, 152, 104710.	3.0	29
5	Atomic fluctuations in electronic materials revealed by dephasing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11940-11946.	7.1	27
6	Anisotropic Nonequilibrium Lattice Dynamics of Black Phosphorus. <i>Nano Letters</i> , 2020, 20, 3728-3733.	9.1	27
7	Electron Dynamics at the Surface of Semiconductor Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26519-26527.	3.1	26
8	Accessing the Anisotropic Nonthermal Phonon Populations in Black Phosphorus. <i>Nano Letters</i> , 2021, 21, 6171-6178.	9.1	25
9	Simple fiber-based solution for coherent multidimensional spectroscopy in the visible regime. <i>Optics Letters</i> , 2017, 42, 643.	3.3	23
10	Investigating exciton structure and dynamics in colloidal CdSe quantum dots with two-dimensional electronic spectroscopy. <i>Journal of Chemical Physics</i> , 2018, 149, 074702.	3.0	22
11	Lattice dynamics and ultrafast energy flow between electrons, spins, and phonons in a 3d ferromagnet. <i>Physical Review Research</i> , 2021, 3, .	3.6	21
12	Efficient First-Principles Methodology for the Calculation of the All-Phonon Inelastic Scattering in Solids. <i>Physical Review Letters</i> , 2021, 127, 207401.	7.8	18
13	Fifth-order two-quantum absorptive two-dimensional electronic spectroscopy of CdSe quantum dots. <i>Journal of Chemical Physics</i> , 2020, 153, 234703.	3.0	16
14	Multiphonon diffuse scattering in solids from first principles: Application to layered crystals and two-dimensional materials. <i>Physical Review B</i> , 2021, 104, .	3.2	16
15	Coherent multi-dimensional spectroscopy at optical frequencies in a single beam with optical readout. <i>Journal of Chemical Physics</i> , 2017, 147, 094203.	3.0	14
16	Intrinsic energy flow in laser-excited $3d$ ferromagnets. <i>Physical Review Research</i> , 2022, 4, .	3.6	11
17	Exchange-Striction Driven Ultrafast Nonthermal Lattice Dynamics in NiO. <i>Physical Review Letters</i> , 2021, 126, 147202.	7.8	10
18	Kilohertz generation of high contrast polarization states for visible femtosecond pulses via phase-locked acousto-optic pulse shapers. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	7

#	ARTICLE	IF	CITATIONS
19	Ultrafast lattice dynamics and electron-phonon coupling in platinum extracted with a global fitting approach for time-resolved polycrystalline diffraction data. <i>Structural Dynamics</i> , 2021, 8, 064301.	2.3	6
20	Traversing Double-Well Potential Energy Surfaces: Photoinduced Concurrent Intralayer and Interlayer Structural Transitions in XTe_2 ($X = Mo, W$). <i>ACS Nano</i> , 2022, 16, 11124-11135.	14.6	5
21	An analysis of hollow-core fiber for applications in coherent femtosecond spectroscopies. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	4
22	Investigating Reliability on Fuel Cell Model Identification. Part II: An Estimation Method for Stochastic Parameters. <i>Fuel Cells</i> , 2012, 12, 685-708.	2.4	1