Matthew S Kirschner

List of Publications by Year
in descending order

18	819	933447 10	839539 18
papers	citations	h-index	g-index

18	18	18	1782
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Layered structures of assembled imine-linked macrocycles and two-dimensional covalent organic frameworks give rise to prolonged exciton lifetimes. Journal of Materials Chemistry C, 2022, 10, 3015-3026.	5.5	7
2	Anisotropic Transient Disordering of Colloidal, Two-Dimensional CdSe Nanoplatelets upon Optical Excitation. Nano Letters, 2021, 21, 1288-1294.	9.1	8
3	Large Exciton Diffusion Coefficients in Two-Dimensional Covalent Organic Frameworks with Different Domain Sizes Revealed by Ultrafast Exciton Dynamics. Journal of the American Chemical Society, 2020, 142, 14957-14965.	13.7	68
4	Transient Lattice Response upon Photoexcitation in CuInSe₂ Nanocrystals with Organic or Inorganic Surface Passivation. ACS Nano, 2020, 14, 13548-13556.	14.6	10
5	Effects of Intra- and Interchain Interactions on Exciton Dynamics of PTB7 Revealed by Model Oligomers. Molecules, 2020, 25, 2441.	3.8	4
6	Photophysical implications of ring fusion, linker length, and twisting angle in a series of perylenediimideâ€“thienoacene dimers. Chemical Science, 2020, 11, 7133-7143.	7.4	6
7	Direct Observation of Bandgap Oscillations Induced by Optical Phonons in Hybrid Lead Iodide Perovskites. Advanced Functional Materials, 2020, 30, 1907982.	14.9	15
8	Phase control of coherent acoustic phonons in gold bipyramids for optical memory and manipulating plasmonâ€“exciton coupling. Applied Physics Letters, 2020, 116, 153102.	3.3	1
9	Phonon-induced plasmon-exciton coupling changes probed via oscillation-associated spectra. Applied Physics Letters, 2019, 115, .	3.3	3
10	Photoinduced, reversible phase transitions in all-inorganic perovskite nanocrystals. Nature Communications, 2019, 10, 504.	12.8	121
11	Optical and Physical Probing of Thermal Processes in Semiconductor and Plasmonic Nanocrystals. Annual Review of Physical Chemistry, 2019, 70, 353-377.	10.8	13
12	Phonon-Driven Oscillatory Plasmonic Excitonic Nanomaterials. Nano Letters, 2018, 18, 442-448.	9.1	14
13	Optical Signatures of Transiently Disordered Semiconductor Nanocrystals. ACS Nano, 2018, 12, 10008-10015.	14.6	9
14	Auger Heating and Thermal Dissipation in Zero-Dimensional CdSe Nanocrystals Examined Using Femtosecond Stimulated Raman Spectroscopy. Journal of Physical Chemistry Letters, 2018, 9, 4481-4487.	4.6	14
15	Seeded growth of single-crystal two-dimensional covalent organic frameworks. Science, 2018, 361, 52-57.	12.6	474
16	Shaped incoherent light for control of kinetics: Optimization of up-conversion hues in phosphors. Journal of Chemical Physics, 2018, 149, 054201.	3.0	5
17	Transient Melting and Recrystallization of Semiconductor Nanocrystals Under Multiple Electronâ€“Hole Pair Excitation. Nano Letters, 2017, 17, 5314-5320.	9.1	23
18	Size-Dependent Coherent-Phonon Plasmon Modulation and Deformation Characterization in Gold Bipyramids and Nanojavelins. ACS Photonics, 2016, 3, 758-763.	6.6	24