

Yuzhong Chen

List of Publications by Year in descending order

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13
papers

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1040056

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585
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast self-trapping of photoexcited carriers sets the upper limit on antimony trisulfide photovoltaic devices. <i>Nature Communications</i> , 2019, 10, 4540.	12.8	117
2	Highly efficient hot electron harvesting from graphene before electron-hole thermalization. <i>Science Advances</i> , 2019, 5, eaax9958.	10.3	79
3	Ultrafast Energy Transfer of Both Bright and Dark Excitons in 2D van der Waals Heterostructures Beyond Dipolar Coupling. <i>ACS Nano</i> , 2019, 13, 2341-2348.	14.6	44
4	Deciphering asymmetric charge transfer at transition metal dichalcogenide-graphene interface by helicity-resolved ultrafast spectroscopy. <i>Science Advances</i> , 2021, 7, .	10.3	16
5	Efficient hot-electron extraction in two-dimensional semiconductor heterostructures by ultrafast resonant transfer. <i>Journal of Chemical Physics</i> , 2020, 153, 044705.	3.0	15
6	Real-Time Observing Ultrafast Carrier and Phonon Dynamics in Colloidal Tin Chalcogenide van der Waals Nanosheets. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3750-3755.	4.6	13
7	Efficient quasi-stationary charge transfer from quantum dots to acceptors physically-adsorbed in the ligand monolayer. <i>Nano Research</i> , 2022, 15, 617-626.	10.4	13
8	Highly Efficient Multiple Exciton Generation and Harvesting in Few-Layer Black Phosphorus and Heterostructure. <i>Nano Letters</i> , 2020, 20, 8212-8219.	9.1	11
9	Spatiotemporally Coupled Electron-Hole Dynamics in Two Dimensional Heterostructures. <i>Nano Letters</i> , 2022, 22, 2547-2553.	9.1	11
10	Transient Optical Modulation of Two-Dimensional Materials by Excitons at Ultimate Proximity. <i>ACS Nano</i> , 2021, 15, 5495-5501.	14.6	10
11	Near-Unity-Efficiency Energy Transfer from Perovskite to Monolayer Semiconductor through Long-Range Migration and Asymmetric Interfacial Transfer. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 41895-41903.	8.0	10
12	Controlling Photocarrier Lifetime in Graphene for Enhanced Photocurrent Generation via Cascade Hot Electron Transfer. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9989-9994.	4.6	6
13	Controlling exciton-exciton annihilation in WSe2 bilayers via interlayer twist. <i>Nano Research</i> , 2022, 15, 4661-4667.	10.4	6