

# Jiaqi He

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26

papers

698

citations

11

h-index

26

g-index

33

ext. papers

840

ext. citations

5.9

avg, IF

3.85

L-index

#	Paper	IF	Citations
26	Controllable multi-point light focusing of feedback wavefront shaping based on phase superposition Hadamard encoding algorithm. <i>Optik</i> , <b>2022</b> , 253, 168549	2.5	1
25	Ultrafast charge transfer and carrier dynamics in a WS2/MoSe2 few-layer van der Waals heterostructure. <i>Journal of Materials Chemistry C</i> , <b>2022</b> , 10, 5328-5335	7.1	0
24	Ultrafast Interlayer Charge Transfer between Bilayer PtSe and Monolayer WS. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 57822-57830	9.5	3
23	Biomimetic design of Ni Co LDH composites linked by carbon nanotubes with plant conduction tissues characteristic for hybrid supercapacitors. <i>Electrochimica Acta</i> , <b>2021</b> , 381, 138289	6.7	8
22	Enhanced photovoltaic performance of polymer solar cells with photo-annealed titanium chelate. <i>Synthetic Metals</i> , <b>2021</b> , 281, 116902	3.6	1
21	Dynamics of charge-transfer excitons in a transition metal dichalcogenide heterostructure. <i>Nanoscale</i> , <b>2020</b> , 12, 8485-8492	7.7	2
20	Transient Absorption Microscopy of Layered Crystal AsSbS. <i>Journal of Physical Chemistry A</i> , <b>2020</b> , 124, 1047-1052	2.8	6
19	Type-II WS2ReSe2 heterostructure and its charge-transfer properties. <i>Journal of Materials Research</i> , <b>2020</b> , 35, 1417-1423	2.5	1
18	Photocarrier Dynamics in TiGaS2 Nanoflakes and van der Waals Heterostructures with Hexagonal Boron Nitride and WS2 Nanoflakes: Implications for Optoelectronic Applications. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 8702-8707	5.6	1
17	Exploring Deep and Shallow Trap States in a Non-Fullerene Acceptor ITIC-Based Organic Bulk Heterojunction Photovoltaic System. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 20691-20697	3.8	9
16	Effect of Dielectric Environment on Excitonic Dynamics in Monolayer WS2. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1901307	4.6	17
15	Ultrafast charge transfer in a type-II MoS-ReSe van der Waals heterostructure. <i>Optics Express</i> , <b>2019</b> , 27, 17851-17858	3.3	11
14	Probing excitons in transition metal dichalcogenides by Drude-like exciton intraband absorption. <i>Nanoscale</i> , <b>2018</b> , 10, 9538-9546	7.7	16
13	Ultrafast transient absorption measurements of photocarrier dynamics in monolayer and bulk ReSe. <i>Optics Express</i> , <b>2018</b> , 26, 21501-21509	3.3	10
12	Efficient Energy Transfer in InSe-MoSe van der Waals Heterostructures. <i>ACS Omega</i> , <b>2018</b> , 3, 11930-11936	3.6	14
11	Charge carrier transfer in tungsten disulfide-black phosphorus heterostructures. <i>Nanotechnology</i> , <b>2017</b> , 28, 475705	3.4	1
10	Electron dynamics in MoS-graphite heterostructures. <i>Nanoscale</i> , <b>2017</b> , 9, 14533-14539	7.7	6

## LIST OF PUBLICATIONS

9	Probing effect of electric field on photocarrier transfer in graphene-WS <sub>2</sub> van der Waals heterostructures. <i>Optics Express</i> , <b>2017</b> , 25, 1949-1957	3.3	19
8	Spatiotemporal dynamics of excitons in monolayer and bulk WS <sub>2</sub> . <i>Nanoscale</i> , <b>2015</b> , 7, 9526-31	7.7	53
7	Photocarrier dynamics in transition metal dichalcogenide alloy Mo0.5W0.5S <sub>2</sub> . <i>Optics Express</i> , <b>2015</b> , 23, 33370-7	3.3	4
6	Transient Absorption Measurements on Anisotropic Monolayer ReS <sub>2</sub> . <i>Small</i> , <b>2015</b> , 11, 5565-71	11	71
5	Exceptional and Anisotropic Transport Properties of Photocarriers in Black Phosphorus. <i>ACS Nano</i> , <b>2015</b> , 9, 6436-42	16.7	139
4	Valley and spin dynamics in MoSe <sub>2</sub> two-dimensional crystals. <i>Nanoscale</i> , <b>2014</b> , 6, 12690-5	7.7	54
3	Electron transfer and coupling in graphene-tungsten disulfide van der Waals heterostructures. <i>Nature Communications</i> , <b>2014</b> , 5, 5622	17.4	170
2	Charge carrier dynamics in bulk MoS <sub>2</sub> crystal studied by transient absorption microscopy. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 133702	2.5	79
1	Fast Exciton Diffusion in Monolayer PtSe <sub>2</sub> . <i>Laser and Photonics Reviews</i> , <b>2010</b> 594	8.3	0