

# Zhesheng Chen

## List of Publications by Year in descending order

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14  
papers

363  
citations

933447

10  
h-index

1199594

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

830  
citing authors

#	ARTICLE	IF	CITATIONS
1	A high performance graphene/few-layer InSe photo-detector. <i>Nanoscale</i> , 2015, 7, 5981-5986.	5.6	143
2	Onset of two-dimensional superconductivity in space charge doped few-layer molybdenum disulfide. <i>Nature Communications</i> , 2015, 6, 8826.	12.8	46
3	High quality 2D crystals made by anodic bonding: a general technique for layered materials. <i>Nanotechnology</i> , 2012, 23, 505709.	2.6	41
4	A high performance self-driven photodetector based on a graphene/InSe/MoS <sub>2</sub> vertical heterostructure. <i>Journal of Materials Chemistry C</i> , 2018, 6, 12407-12412.	5.5	31
5	Band Gap Renormalization, Carrier Multiplication, and Stark Broadening in Photoexcited Black Phosphorus. <i>Nano Letters</i> , 2019, 19, 488-493.	9.1	26
6	Evidence of new 2D material: Cu <sub>2</sub> Te. <i>2D Materials</i> , 2020, 7, 035010.	4.4	16
7	Ultrafast electron dynamics reveal the high potential of InSe for hot-carrier optoelectronics. <i>Physical Review B</i> , 2018, 97, .	3.2	15
8	Direct Observation of Band Gap Renormalization in Layered Indium Selenide. <i>ACS Nano</i> , 2019, 13, 13486-13491.	14.6	13
9	Spectroscopy of buried states in black phosphorus with surface doping. <i>2D Materials</i> , 2020, 7, 035027.	4.4	13
10	Ultrafast dynamics of hot carriers in a quasi-two-dimensional electron gas on InSe. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21962-21967.	7.1	10
11	Phase transition from AuTe surface alloy towards tellurene-like monolayer. <i>2D Materials</i> , 2021, 8, 015029.	4.4	4
12	Electron Dynamics in Hybrid Perovskites Reveal the Role of Organic Cations on the Screening of Local Charges. <i>Nano Letters</i> , 2022, 22, 2065-2069.	9.1	3
13	Ultrafast electron energy-dependent delocalization dynamics in germanium selenide. <i>Communications Physics</i> , 2021, 4, .	5.3	2
14	Ultrafast dynamics with time-resolved ARPES: photoexcited electrons in monochalcogenide semiconductors. <i>Comptes Rendus Physique</i> , 2021, 22, 103-110.	0.9	0