

Mengjian Zhu

List of Publications by Year in descending order

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papers

469
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20
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Controllable 2H-to-1T ϵ^2 phase transition in few-layer MoTe ₂ . <i>Nanoscale</i> , 2018, 10, 19964-19971.	5.6	99
2	Carrier Modulation of Ambipolar Few-Layer MoTe ₂ Transistors by MgO Surface Charge Transfer Doping. <i>Advanced Functional Materials</i> , 2018, 28, 1704539.	14.9	88
3	Graphene Thermal Emitter with Enhanced Joule Heating and Localized Light Emission in Air. <i>ACS Photonics</i> , 2019, 6, 2117-2125.	6.6	53
4	High responsivity graphene photodetectors from visible to near-infrared by photogating effect. <i>AIP Advances</i> , 2018, 8, 115106.	1.3	46
5	Light-induced irreversible structural phase transition in trilayer graphene. <i>Light: Science and Applications</i> , 2020, 9, 174.	16.6	40
6	High-Performance Photodetectors Based on MoTe ₂ /MoS ₂ van der Waals Heterostructures. <i>ACS Omega</i> , 2022, 7, 10049-10055.	3.5	24
7	Controllable Epitaxial Growth of MoSe ₂ Bilayers with Different Stacking Orders by Reverse-Flow Chemical Vapor Deposition. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 23347-23355.	8.0	21
8	Highly Tunable Carrier Tunneling in Vertical Graphene/WS ₂ /Graphene van der Waals Heterostructures. <i>ACS Nano</i> , 2022, 16, 7880-7889.	14.6	17
9	Engineering few-layer MoTe ₂ devices by Co/hBN tunnel contacts. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	14
10	High Mobility Two-Dimensional Bismuth Oxyselenide Single Crystals with Large Grain Size Grown by Reverse-Flow Chemical Vapor Deposition. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49153-49162.	8.0	14
11	Phase-Changing in Graphite Assisted by Interface Charge Injection. <i>Nano Letters</i> , 2021, 21, 5648-5654.	9.1	12
12	Supercurrent and multiple Andreev reflections in micrometer-long ballistic graphene Josephson junctions. <i>Nanoscale</i> , 2018, 10, 3020-3025.	5.6	10
13	Direct Visualization and Manipulation of Stacking Orders in Few-Layer Graphene by Dynamic Atomic Force Microscopy. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7328-7334.	4.6	9
14	Short channel monolayer MoS ₂ field-effect transistors defined by SiO ₂ nanofins down to 20 nm. <i>Nanotechnology</i> , 2019, 30, 295301.	2.6	5
15	Strain-Induced Alternating Photoluminescence Segmentation in Hexagonal Monolayer Tungsten Disulfide Grown by Physical Vapor Deposition. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 46164-46170.	8.0	5
16	Functional Group-Induced p-Doping of MoS ₂ by Titanium(IV) Bis(ammonium lactato) Dihydroxide Physisorption. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1756-1761.	3.3	4
17	Electrically Controlled Wavelength-Tunable Photoluminescence from van der Waals Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 19869-19877.	8.0	4
18	Lateral and Vertical p-n Homo Junctions Formed in Few-Layer MoTe ₂ with In Surface Charge-Transfer Doping. <i>ACS Applied Electronic Materials</i> , 2021, 3, 3428-3435.	4.3	3

#	ARTICLE	IF	CITATIONS
19	Ultrafast Photoluminescence from Suspended Gold/Graphene Hybrid Structures. Journal of Physical Chemistry C, 2019, 123, 21265-21270.	3.1	1
20	Fabrication and electron transport characteristics of suspended Graphene/hBN heterostructure Devices. Journal of Physics: Conference Series, 2022, 2230, 012028.	0.4	0