Ngoc Thanh Duong

List of Publications by Year
in descending order

16 papers	530 citations	840776 11 h-index	940533 16 g-index
16 all docs	16 docs citations	16 times ranked	903 citing authors

#	Article	IF	Citations
1	Achieving direct electrophoretically deposited highly stable polymer induced CsPbBr3 colloidal nanocrystal films for high-performance optoelectronics. Chemical Engineering Journal, 2022, 433, 133809.	12.7	14
2	Gate tunable photoresponse of a two-dimensional p-n junction for high performance broadband photodetector. Applied Materials Today, 2022, 26, 101285.	4.3	7
3	Carrier transport through near-ideal interface for WSe2 van der Waals homojunction diode. Applied Surface Science, 2021, 542, 148499.	6.1	3
4	Patterning of type-II Dirac semimetal PtTe2 for optimized interface of tellurene optoelectronic device. Nano Energy, 2021, 86, 106049.	16.0	22
5	Largeâ€Area MoS 2 via Colloidal Nanosheet Ink for Integrated Memtransistor. Small Methods, 2021, 5, 2100558.	8.6	8
6	Gate-controlled MoTe2 homojunction for sub-thermionic subthreshold swing tunnel field-effect transistor. Nano Today, 2021, 40, 101263.	11.9	19
7	Interface Trap Suppression and Electron Doping in Van der Waals Materials Using Cross-Linked Poly(vinylpyrrolidone). ACS Applied Materials & Interfaces, 2021, 13, 55489-55497.	8.0	1
8	Modulation of Junction Modes in SnSe₂/MoTe₂ Broken-Gap van der Waals Heterostructure for Multifunctional Devices. Nano Letters, 2020, 20, 2370-2377.	9.1	75
9	Contact Engineering of Layered MoS₂ via Chemically Dipping Treatments. Advanced Functional Materials, 2020, 30, 2000250.	14.9	14
10	Encapsulation of a Monolayer WSe₂ Phototransistor with Hydrothermally Grown ZnO Nanorods. ACS Applied Materials & Interfaces, 2019, 11, 20257-20264.	8.0	15
11	Modulating the Functions of MoS₂/MoTe₂ van der Waals Heterostructure via Thickness Variation. ACS Nano, 2019, 13, 4478-4485.	14.6	85
12	Suppressing Ambipolar Characteristics of WSe₂ Field Effect Transistors Using Graphene Oxide. Advanced Electronic Materials, 2019, 5, 1800608.	5.1	8
13	Highly Enhanced Photoresponsivity of a Monolayer WSe₂ Photodetector with Nitrogen-Doped Graphene Quantum Dots. ACS Applied Materials & Interfaces, 2018, 10, 10322-10329.	8.0	114
14	Augmented Quantum Yield of a 2D Monolayer Photodetector by Surface Plasmon Coupling. Nano Letters, 2018, 18, 2316-2323.	9.1	82
15	Photovoltaic effect in a few-layer ReS₂/WSe₂ heterostructure. Nanoscale, 2018, 10, 20306-20312.	5.6	38
16	Parameter control for enhanced peak-to-valley current ratio in a MoS₂/MoTe₂ van der Waals heterostructure. Nanoscale, 2018, 10, 12322-12329.	5.6	25