

Arnob Islam

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4277847/publications.pdf>

Version: 2024-02-01

23
papers

302
citations

840585

11
h-index

996849

15
g-index

23
all docs

23
docs citations

23
times ranked

541
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrawide Frequency Tuning of Atomic Layer van der Waals Heterostructure Electromechanical Resonators. <i>Nano Letters</i> , 2021, 21, 5508-5515.	4.5	26
2	Atomic Layer MoTe ₂ Field-Effect Transistors and Monolithic Logic Circuits Configured by Scanning Laser Annealing. <i>ACS Nano</i> , 2021, 15, 19733-19742.	7.3	13
3	Controlling Polarity of MoTe ₂ Transistors for Monolithic Complementary Logic via Schottky Contact Engineering. <i>ACS Nano</i> , 2020, 14, 1457-1467.	7.3	31
4	Black Phosphorus NEMS Resonant Infrared (IR) Detector. , 2020, , .		2
5	Few-Layer MoTe ₂ Suspended Channel Transistors and Nanoelectromechanical Resonators. , 2019, , .		4
6	Electronic Applications of Black Phosphorus Thin Films. <i>ACS Symposium Series</i> , 2019, , 179-194.	0.5	2
7	Polarization sensitive black phosphorus nanomechanical resonators. <i>Optical Materials Express</i> , 2019, 9, 526.	1.6	12
8	All-dry transferred single- and few-layer MoS ₂ field effect transistor with enhanced performance by thermal annealing. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	23
9	All-electrical transduction of black phosphorus tunable 2D nanoelectromechanical resonators. , 2018, , .		5
10	Investigation of Electrostatic Gating in Two-Dimensional Transitional Metal Dichalcogenide (TMDC) Field Effect Transistors (FETs). , 2018, , .		2
11	Anisotropic Thermal Conductivity of Suspended Black Phosphorus Probed by Opto-Thermomechanical Resonance Spectromicroscopy. <i>Nano Letters</i> , 2018, 18, 7683-7691.	4.5	37
12	Discerning Black Phosphorus Crystal Orientation and Anisotropy by Polarized Reflectance Measurement. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 25629-25637.	4.0	20
13	Atomic Layer GaSe/MoS ₂ van der Waals Heterostructure Photodiodes with Low Noise and Large Dynamic Range. <i>ACS Photonics</i> , 2018, 5, 2693-2700.	3.2	51
14	Effects of asymmetric Schottky contacts on photoresponse in tungsten diselenide (WSe ₂) phototransistor. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	16
15	Gallium selenide (GaSe)-molybdenum disulfide (MoS ₂) van der Waals heterojunction diodes. , 2017, , .		0
16	Observation of strong temperature hysteresis in molybdenum disulfide (MoS ₂) vibrating nanomechanical resonators. , 2015, , .		1
17	Environmental, thermal, and electrical susceptibility of black phosphorus field effect transistors. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2015, 33, 052202.	0.6	19
18	Electromechanical coupling and design considerations in single-layer MoS ₂ suspended-channel transistors and resonators. <i>Nanoscale</i> , 2015, 7, 19921-19929.	2.8	15

#	ARTICLE	IF	CITATIONS
19	Integrated Duo Wavelength VCSEL Using an Electrically Pumped GaInAs/AlGaAs 980nm Cavity at the Bottom and an Optically Pumped GaInAs/AlGaInAs 1550nm Cavity on the Top. International Scholarly Research Notices, 2014, 2014, 1-10.	0.9	2
20	Designing a High Speed 1310nm AlGaInAs/AlGaInAs VCSEL using MgO/Si Top DBR and GaInAsP/InP Bottom DBR. American Journal of Optics and Photonics, 2014, 2, 37.	1.2	2
21	A review on fabrication process of organic light emitting diodes. , 2013, , .		10
22	Designing an all epitaxial 1,550Ånm intra-cavity VCSEL using GaInAsN/AlGaInAs in the active region and AlGaAsSb/AlAsSb in top and bottom DBRs. Optical and Quantum Electronics, 2013, 45, 1199-1212.	1.5	4
23	Series active power filter implementation using P-Q theory. , 2012, , .		5