Abdullah Sanad M Alharbi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2800020/publications.pdf

Version: 2024-02-01

21 papers	422 citations	840776 11 h-index	888059 17 g-index
21 all docs	21 docs citations	21 times ranked	1025 citing authors

#	Article	IF	Citations
1	Anomalous sensitivity enhancement of nano-graphitic electrochemical micro-sensors with reducing the operating voltage. Biosensors and Bioelectronics, 2021, 177, 112966.	10.1	4
2	Second derivative analysis and alternative data filters for multi-dimensional spectroscopies: A Fourier-space perspective. Journal of Electron Spectroscopy and Related Phenomena, 2020, 238, 146852.	1.7	1
3	Versatile construction of van der Waals heterostructures using a dual-function polymeric film. Nature Communications, 2020, 11, 3029.	12.8	41
4	Nano-engineering the material structure of preferentially oriented nano-graphitic carbon for making high-performance electrochemical micro-sensors. Scientific Reports, 2020, 10, 9444.	3.3	11
5	Graphene Electrodes: Quantitative Principles for Precise Engineering of Sensitivity in Graphene Electrochemical Sensors (Adv. Mater. 6/2019). Advanced Materials, 2019, 31, 1970037.	21.0	5
6	Patterning metal contacts on monolayer MoS2 with vanishing Schottky barriers using thermal nanolithography. Nature Electronics, 2019, 2, 17-25.	26.0	113
7	Quantitative Principles for Precise Engineering of Sensitivity in Graphene Electrochemical Sensors. Advanced Materials, 2019, 31, e1805752.	21.0	20
8	Effect of Substrate Coupling on the Performance and Variability of Monolayer MoS2 Transistors. IEEE Electron Device Letters, 2019, 40, 135-138.	3.9	11
9	Low-frequency noise in irradiated graphene FETs. Applied Physics Letters, 2018, 113, .	3.3	6
10	Variability in synthetic $mathbf{MoS}_{mathbf{2}}$ devices: Effect of the growth substrate. , 2018, , .		0
11	Effects of single vacancy defects on 1/f noise in grapbene/b-BN FETs. , 2018, , .		0
12	Analyzing the Effect of High-k Dielectric-Mediated Doping on Contact Resistance in Top-Gated Monolayer MoS₂ Transistors. IEEE Transactions on Electron Devices, 2018, 65, 4084-4092.	3.0	17
13	Material and device properties of superacid-treated monolayer molybdenum disulfide. Applied Physics Letters, 2017, 110, .	3.3	26
14	Optical identification using imperfections in 2D materials. 2D Materials, 2017, 4, 045021.	4.4	24
15	Physically Unclonable Cryptographic Primitives by Chemical Vapor Deposition of Layered MoS₂. ACS Nano, 2017, 11, 12772-12779.	14.6	61
16	Experimental Study of the Detection Limit in Dual-Gate Biosensors Using Ultrathin Silicon Transistors. ACS Nano, 2017, 11, 7142-7147.	14.6	28
17	Hybrid CMOS-Graphene Sensor Array for Subsecond Dopamine Detection. IEEE Transactions on Biomedical Circuits and Systems, 2017, 11, 1192-1203.	4.0	16
18	Contact engineering of monolayer CVD MOS<inf>2</inf> transistors. , 2017, , .		3

#	Article	IF	Citations
19	Electronic properties of monolayer tungsten disulfide grown by chemical vapor deposition. Applied Physics Letters, 2016, 109, .	3.3	33
20	Energy band engineering of flexible gallium arsenide through substrate cracking with preâ€tensioned films. Physica Status Solidi - Rapid Research Letters, 2016, 10, 627-633.	2.4	2
21	A new approach for energy band engineering in flexible GaAs devices. , 2016, , .		0