

Ivan Yahniuk

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4595339/publications.pdf>

Version: 2024-02-01

19
papers

186
citations

1039880

9
h-index

1281743

11
g-index

19
all docs

19
docs citations

19
times ranked

247
citing authors

#	ARTICLE	IF	CITATIONS
1	Ratchet effect in spatially modulated bilayer graphene: Signature of hydrodynamic transport. Physical Review B, 2022, 105, .	1.1	13
2	Terahertz Magnetospectroscopy of Cyclotron Resonances from Topological Surface States in Thick Films of Cd x Hg 1- ^x x Te. Physica Status Solidi (B): Basic Research, 2021, 258, 2000023.	0.7	8
3	Terahertz magnetospectroscopy of pseudo-relativistic fermions in HgCdTe alloys under hydrostatic pressure. , 2021, , .		0
4	Observation of Terahertz-Induced Magnetooscillations in Graphene. Nano Letters, 2020, 20, 5943-5950.	4.5	12
5	Symmetry breaking and circular photogalvanic effect in epitaxial $\text{Cd}_{1-x}\text{Mn}_x\text{Te}$ films. Physical Review Materials, 2020, 4, .	0.9	11
6	Magneto-transport in inverted HgTe quantum wells. Npj Quantum Materials, 2019, 4, .	1.8	16
7	Negative Magnetoresistance in Si Nanograting Layers. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800693.	0.8	9
8	AlGaIn/GaN field effect transistor with two lateral Schottky barrier gates towards resonant detection in sub-mm range. Semiconductor Science and Technology, 2019, 34, 024002.	1.0	15
9	Electrically controlled wire-channel GaN/AlGaIn transistor for terahertz plasma applications. Applied Physics Letters, 2018, 112, .	1.5	12
10	AlGaIn/GaN Field Effect Transistors Based on Lateral Schottky Barrier Gates as Millimeter Wave Detectors. , 2018, , .		1
11	Towards resonant THz detector: Devices based on Schottky diodes to 2DEG GaN/AlGaIn. , 2018, , .		0
12	Magnetoconductivity of a Mercury Cadmium Telluride Resonant THz Detector. Acta Physica Polonica A, 2018, 134, 973-977.	0.2	1
13	THz imaging and wireless communication using nanotransistor based detectors: From basic physics to first real world applications. , 2017, , .		2
14	Imaging and Gas Spectroscopy for Health Protection in Sub-THz Frequency Range. , 2017, , .		0
15	Noise limitations of GaN lateral Schottky diodes for THz applications. , 2017, , .		0
16	Pressure- and temperature-driven phase transitions in HgTe quantum wells. Physical Review B, 2016, 94, .	1.1	57
17	MBE grown GaN/AlGaIn lateral Schottky barrier diodes for high frequency applications. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2016, 34, .	0.6	12
18	Terahertz imaging with GaAs and GaN plasma field effect transistors detectors. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
19	Lateral Schottky barrier diodes based on GaN/AlGaN 2DEG for sub-THz detection. , 2016, , .		3