

Ivan Yahniuk

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

186
citations

1039880

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h-index

1281743

11
g-index

19
all docs

19
docs citations

19
times ranked

247
citing authors

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

#	ARTICLE	IF	CITATIONS
19	Noise limitations of GaN lateral Schottky diodes for THz applications. , 2017, , .		0