

Xuguang Guo

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

168
citations

1163117

8
h-index

1125743

13
g-index

19
all docs

19
docs citations

19
times ranked

219
citing authors

#	ARTICLE	IF	CITATIONS
1	Terahertz hybrid optical-plasmonic modes: tunable resonant frequency, narrow linewidth, and strong local field enhancement. <i>Optics Express</i> , 2022, 30, 19889.	3.4	1
2	Strong Terahertz Absorption of Monolayer Graphene Embedded into a Microcavity. <i>Nanomaterials</i> , 2021, 11, 421.	4.1	3
3	Terahertz dual-comb spectroscopy: A comparison between time- and frequency-domain operation modes. <i>Infrared Physics and Technology</i> , 2021, 115, 103699.	2.9	4
4	Optoelectronic Synapses Based on Photoinduced Doping in MoS ₂ /hBN Field-Effect Transistors. <i>Advanced Optical Materials</i> , 2021, 9, 2100937.	7.3	25
5	Gate-polarity-dependent doping effects of H ₂ O adsorption on graphene/SiO ₂ field-effect transistors. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 455301.	2.8	2
6	Theoretical Investigation on Microcavity Coupler for Terahertz Quantum-Well Infrared Photodetectors. <i>IEEE Access</i> , 2020, 8, 176149-176157.	4.2	2
7	Multiband and broadband active controllable terahertz absorption in dual-side grating-gate graphene field-effect transistors. <i>Nanotechnology</i> , 2020, 31, 284001.	2.6	3
8	Excitation of graphene surface plasmons polaritons by guided-mode resonances with high efficiency. <i>Optics Express</i> , 2020, 28, 13224.	3.4	12
9	Bias-Polarity-Dependent Photocurrent Spectra of Terahertz Stepped-Quantum-Well Photodetectors. <i>Physical Review Applied</i> , 2019, 12, .	3.8	4
10	Broadband THz to NIR up-converter for photon-type THz imaging. <i>Nature Communications</i> , 2019, 10, 3513.	12.8	28
11	High responsivity random metal grating couplers for terahertz quantum well photodetectors. <i>Semiconductor Science and Technology</i> , 2019, 34, 075029.	2.0	2
12	Concentric-ring-grating-induced strong terahertz near-field enhancement on a micro-tip. <i>Journal of Optics (United Kingdom)</i> , 2019, 21, 105005.	2.2	1
13	Unified description on principles of fourier transform infrared spectroscopy and terahertz time-domain spectroscopy. <i>Infrared Physics and Technology</i> , 2019, 101, 105-109.	2.9	10
14	Fault Diagnosis of Motor Bearings Based on a One-Dimensional Fusion Neural Network. <i>Sensors</i> , 2019, 19, 122.	3.8	39
15	Surface-phonon-polariton-mediated photon response of terahertz quantum-well infrared photodetectors. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 035105.	2.8	5
16	Metal-graphene hybridized plasmon induced transparency in the terahertz frequencies. <i>Optics Express</i> , 2019, 27, 34731.	3.4	9
17	Photoconductive antenna as local oscillator in terahertz frequency measurement: heterodyne efficiency and bias effect. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	3.3	1
18	Surface Plasmon-Enhanced Absorption in Metal Grating Coupled Terahertz Quantum Well Photodetectors. <i>IEEE Journal of Quantum Electronics</i> , 2012, 48, 1113-1119.	1.9	9

#	ARTICLE	IF	CITATIONS
19	Numerical Study on Metal Cavity Couplers for Terahertz Quantum-Well Photodetectors. IEEE Journal of Quantum Electronics, 2012, 48, 728-733.	1.9	8