

Qiushi Guo

List of Publications by Year in descending order

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papers

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37
docs citations

37
times ranked

5469
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast Silicon Nanomembrane Microbolometer for Long-Wavelength Infrared Light Detection. Nano Letters, 2021, 21, 8385-8392.	4.5	16
2	Non-dispersive infrared multi-gas sensing via nanoantenna integrated narrowband detectors. Nature Communications, 2020, 11, 5245.	5.8	109
3	Room Temperature Graphene Mid-Infrared Bolometer with a Broad Operational Wavelength Range. ACS Photonics, 2020, 7, 1206-1215.	3.2	41
4	Widely tunable mid-infrared light emission in thin-film black phosphorus. Science Advances, 2020, 6, eaay6134.	4.7	80
5	Black Phosphorus High-Frequency Transistors with Local Contact Bias. ACS Nano, 2020, 14, 2118-2125.	7.3	21
6	Plasmonics in Atomically Thin Crystalline Silver Films. ACS Nano, 2019, 13, 7771-7779.	7.3	86
7	Bright Mid-Infrared Photoluminescence from Thin-Film Black Phosphorus. Nano Letters, 2019, 19, 1488-1493.	4.5	90
8	Plasmonics in Atomically Thin Crystalline Silver. , 2019, , .		0
9	Symmetry-Controlled Electron-Phonon Interactions in van der Waals Heterostructures. ACS Nano, 2019, 13, 552-559.	7.3	20
10	Synthesis of Crystalline Black Phosphorus Thin Film on Sapphire. Advanced Materials, 2018, 30, 1703748.	11.1	86
11	Air-Stable Room-Temperature Mid-Infrared Photodetectors Based on hBN/Black Arsenic Phosphorus/hBN Heterostructures. Nano Letters, 2018, 18, 3172-3179.	4.5	145
12	Tailoring optical responses of infrared plasmonic metamaterial absorbers by optical phonons. Optics Express, 2018, 26, 16769.	1.7	36
13	Photothermal Engineering of Graphene Plasmons. Physical Review Letters, 2018, 121, 057404.	2.9	22
14	Valley-Selective Linear Dichroism in Layered Tin Sulfide. ACS Photonics, 2018, 5, 3814-3819.	3.2	22
15	Efficient electrical detection of mid-infrared graphene plasmons at room temperature. Nature Materials, 2018, 17, 986-992.	13.3	119
16	Meander Line Nanoantenna Absorber for Subwavelength Terahertz Detection. IEEE Photonics Journal, 2018, 10, 1-9.	1.0	5
17	Efficient electrical control of thin-film black phosphorus bandgap. Nature Communications, 2017, 8, 14474.	5.8	249
18	Nanoantenna Integrated Thermomechanical Infrared Detector. Plasmonics, 2017, 12, 1921-1927.	1.8	4

#	ARTICLE	IF	CITATIONS
19	Electrothermal Control of Graphene Plasmonâ€“Phonon Polaritons. <i>Advanced Materials</i> , 2017, 29, 1700566.	11.1	24
20	Protective molecular passivation of black phosphorus. <i>Npj 2D Materials and Applications</i> , 2017, 1, .	3.9	52
21	Infrared Nanophotonics Based on Graphene Plasmonics. <i>ACS Photonics</i> , 2017, 4, 2989-2999.	3.2	92
22	Coupling-Enhanced Broadband Mid-infrared Light Absorption in Graphene Plasmonic Nanostructures. <i>ACS Nano</i> , 2016, 10, 11172-11178.	7.3	62
23	Optoelectronic devices based on two-dimensional transition metal dichalcogenides. <i>Nano Research</i> , 2016, 9, 1543-1560.	5.8	186
24	Piezoelectric tuning of narrowband perfect plasmonic absorbers via an optomechanic cavity. <i>Optics Letters</i> , 2016, 41, 2803.	1.7	8
25	Black Phosphorus Mid-Infrared Photodetectors with High Gain. <i>Nano Letters</i> , 2016, 16, 4648-4655.	4.5	616
26	Anisotropic Black Phosphorus Synaptic Device for Neuromorphic Applications. <i>Advanced Materials</i> , 2016, 28, 4991-4997.	11.1	281
27	Black Arsenicâ€“Phosphorus: Layered Anisotropic Infrared Semiconductors with Highly Tunable Compositions and Properties. <i>Advanced Materials</i> , 2015, 27, 4423-4429.	11.1	378
28	Two-dimensional materials for nanophotonics application. <i>Nanophotonics</i> , 2015, 4, 128-142.	2.9	97
29	Tunable Plasmonâ€“Phonon Polaritons in Layered Grapheneâ€“Hexagonal Boron Nitride Heterostructures. <i>ACS Photonics</i> , 2015, 2, 907-912.	3.2	70
30	Interlayer interactions in anisotropic atomically thin rhenium diselenide. <i>Nano Research</i> , 2015, 8, 3651-3661.	5.8	159
31	Enhanced graphene absorption and linewidth sharpening enabled by Fano-like geometric resonance at near-infrared wavelengths. <i>Optics Express</i> , 2015, 23, 21097.	1.7	19
32	Silicon-on-Glass Graphene-Functionalized Leaky Cavity Mode Nanophotonic Biosensor. <i>ACS Photonics</i> , 2014, 1, 221-227.	3.2	33
33	Ag nanoparticle/ZnO nanorods nanocomposites derived by a seed-mediated method and their photocatalytic properties. <i>Journal of Alloys and Compounds</i> , 2012, 524, 13-21.	2.8	90
34	Noise spectroscopy as an equilibrium analysis tool for highly sensitive electrical biosensing. <i>Applied Physics Letters</i> , 2012, 101, 093704.	1.5	29
35	Biosensor platform based on stress-improved piezoelectric membrane. <i>Sensors and Actuators A: Physical</i> , 2012, 179, 32-38.	2.0	26