

Yuanda Gao

List of Publications by Year in descending order

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21
papers

3,848
citations

394421

19
h-index

794594

19
g-index

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21
docs citations

21
times ranked

5439
citing authors

#	ARTICLE	IF	CITATIONS
1	Chip-integrated ultrafast graphene photodetector with high responsivity. <i>Nature Photonics</i> , 2013, 7, 883-887.	31.4	971
2	Highly confined low-loss plasmons in graphene–boron nitride heterostructures. <i>Nature Materials</i> , 2015, 14, 421-425.	27.5	847
3	Acoustic terahertz graphene plasmons revealed by photocurrent nanoscopy. <i>Nature Nanotechnology</i> , 2017, 12, 31-35.	31.5	257
4	Electron optics with p-n junctions in ballistic graphene. <i>Science</i> , 2016, 353, 1522-1525.	12.6	253
5	Tuning quantum nonlocal effects in graphene plasmonics. <i>Science</i> , 2017, 357, 187-191.	12.6	251
6	High-Responsivity Graphene–Boron Nitride Photodetector and Autocorrelator in a Silicon Photonic Integrated Circuit. <i>Nano Letters</i> , 2015, 15, 7288-7293.	9.1	185
7	Evidence for a fractional fractal quantum Hall effect in graphene superlattices. <i>Science</i> , 2015, 350, 1231-1234.	12.6	155
8	High-Speed Electro-Optic Modulator Integrated with Graphene-Boron Nitride Heterostructure and Photonic Crystal Nanocavity. <i>Nano Letters</i> , 2015, 15, 2001-2005.	9.1	142
9	Thermoelectric detection and imaging of propagating graphene plasmons. <i>Nature Materials</i> , 2017, 16, 204-207.	27.5	141
10	Tunable fractional quantum Hall phases in bilayer graphene. <i>Science</i> , 2014, 345, 61-64.	12.6	137
11	Terahertz Nanofocusing with Cantilevered Terahertz-Resonant Antenna Tips. <i>Nano Letters</i> , 2017, 17, 6526-6533.	9.1	84
12	Near-field photocurrent nanoscopy on bare and encapsulated graphene. <i>Nature Communications</i> , 2016, 7, 10783.	12.8	80
13	Thermal radiation control from hot graphene electrons coupled to a photonic crystal nanocavity. <i>Nature Communications</i> , 2019, 10, 109.	12.8	79
14	Enhanced photodetection in graphene-integrated photonic crystal cavity. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	68
15	Fast thermal relaxation in cavity-coupled graphene bolometers with a Johnson noise read-out. <i>Nature Nanotechnology</i> , 2018, 13, 797-801.	31.5	66
16	Electrical 2π phase control of infrared light in a 350-nm footprint using graphene plasmons. <i>Nature Photonics</i> , 2017, 11, 421-424.	31.4	63
17	Electrical detection of hyperbolic phonon-polaritons in heterostructures of graphene and boron nitride. <i>Npj 2D Materials and Applications</i> , 2017, 1, .	7.9	25
18	Controlled Light–Matter Interaction in Graphene Electrooptic Devices Using Nanophotonic Cavities and Waveguides. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 95-105.	2.9	20

#	ARTICLE	IF	CITATIONS
19	Frictional Magneto-Coulomb Drag in Graphene Double-Layer Heterostructures. Physical Review Letters, 2017, 119, 056802.	7.8	20
20	Reducing contact resistance of macro-scale separable electrical contacts with single-layer graphene coatings. , 2014, , .		4
21	Graphene opto-electronics and plasmonics for infrared frequencies. , 2015, , .		0