

# Yuanda Gao

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

3,848  
citations

394421

19  
h-index

794594

19  
g-index

21  
all docs

21  
docs citations

21  
times ranked

5439  
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal radiation control from hot graphene electrons coupled to a photonic crystal nanocavity. Nature Communications, 2019, 10, 109.	12.8	79
2	Fast thermal relaxation in cavity-coupled graphene bolometers with a Johnson noise read-out. Nature Nanotechnology, 2018, 13, 797-801.	31.5	66
3	Tuning quantum nonlocal effects in graphene plasmonics. Science, 2017, 357, 187-191.	12.6	251
4	Terahertz Nanofocusing with Cantilevered Terahertz-Resonant Antenna Tips. Nano Letters, 2017, 17, 6526-6533.	9.1	84
5	Frictional Magneto-Coulomb Drag in Graphene Double-Layer Heterostructures. Physical Review Letters, 2017, 119, 056802.	7.8	20
6	Electrical detection of hyperbolic phonon-polaritons in heterostructures of graphene and boron nitride. Npj 2D Materials and Applications, 2017, 1, .	7.9	25
7	Electrical 2π phase control of infrared light in a 350-nm footprint using graphene plasmons. Nature Photonics, 2017, 11, 421-424.	31.4	63
8	Acoustic terahertz graphene plasmons revealed by photocurrent nanoscopy. Nature Nanotechnology, 2017, 12, 31-35.	31.5	257
9	Thermoelectric detection and imaging of propagating graphene plasmons. Nature Materials, 2017, 16, 204-207.	27.5	141
10	Electron optics with p-n junctions in ballistic graphene. Science, 2016, 353, 1522-1525.	12.6	253
11	Near-field photocurrent nanoscopy on bare and encapsulated graphene. Nature Communications, 2016, 7, 10783.	12.8	80
12	High-Speed Electro-Optic Modulator Integrated with Graphene-Boron Nitride Heterostructure and Photonic Crystal Nanocavity. Nano Letters, 2015, 15, 2001-2005.	9.1	142
13	Graphene opto-electronics and plasmonics for infrared frequencies. , 2015, , .		0
14	Evidence for a fractional fractal quantum Hall effect in graphene superlattices. Science, 2015, 350, 1231-1234.	12.6	155
15	High-Responsivity Graphene-Boron Nitride Photodetector and Autocorrelator in a Silicon Photonic Integrated Circuit. Nano Letters, 2015, 15, 7288-7293.	9.1	185
16	Highly confined low-loss plasmons in graphene-boron nitride heterostructures. Nature Materials, 2015, 14, 421-425.	27.5	847
17	Reducing contact resistance of macro-scale separable electrical contacts with single-layer graphene coatings. , 2014, , .		4
18	Controlled Light-Matter Interaction in Graphene Electrooptic Devices Using Nanophotonic Cavities and Waveguides. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 95-105.	2.9	20

#	ARTICLE	IF	CITATIONS
19	Tunable fractional quantum Hall phases in bilayer graphene. <i>Science</i> , 2014, 345, 61-64.	12.6	137
20	Enhanced photodetection in graphene-integrated photonic crystal cavity. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	68
21	Chip-integrated ultrafast graphene photodetector with high responsivity. <i>Nature Photonics</i> , 2013, 7, 883-887.	31.4	971