

# Ren-Jye Shiue

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

2,516  
citations

567281

15  
h-index

888059

17  
g-index

22  
all docs

22  
docs citations

22  
times ranked

4134  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterogeneous Integration of 2D Materials and Devices on a Si Platform. , 2019, , 43-84.		5
2	Thermal radiation control from hot graphene electrons coupled to a photonic crystal nanocavity. Nature Communications, 2019, 10, 109.	12.8	79
3	Ultrafast Graphene Light Emitters. Nano Letters, 2018, 18, 934-940.	9.1	109
4	Fast thermal relaxation in cavity-coupled graphene bolometers with a Johnson noise read-out. Nature Nanotechnology, 2018, 13, 797-801.	31.5	66
5	Active 2D materials for on-chip nanophotonics and quantum optics. Nanophotonics, 2017, 6, 1329-1342.	6.0	38
6	Chalcogenide glass-on-graphene photonics. Nature Photonics, 2017, 11, 798-805.	31.4	190
7	Cavity-Enhanced Narrowband Radiation of an Electrically Driven Graphene Light Emitter. , 2016, , .		0
8	High-Speed Electro-Optic Modulator Integrated with Graphene-Boron Nitride Heterostructure and Photonic Crystal Nanocavity. Nano Letters, 2015, 15, 2001-2005.	9.1	142
9	High-resolution optical spectroscopy using multimode interference in a compact tapered fibre. Nature Communications, 2015, 6, 7762.	12.8	76
10	Ultrafast Graphene Photodetector for On-chip Broadband Auto-correlator. , 2015, , .		0
11	High-Responsivity Grapheneâ€“Boron Nitride Photodetector and Autocorrelator in a Silicon Photonic Integrated Circuit. Nano Letters, 2015, 15, 7288-7293.	9.1	185
12	On-chip graphene optoelectronic devices for optical interconnects. , 2014, , .		0
13	Waveguide-integrated photonic crystal spectrometer with camera readout. Applied Physics Letters, 2014, 105, 051103.	3.3	16
14	On-chip graphene optoelectronic devices for high-speed modulation and photodetection. Proceedings of SPIE, 2014, , .	0.8	2
15	Controlled Lightâ€“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
16	Enhanced photodetection in graphene-integrated photonic crystal cavity. Applied Physics Letters, 2013, 103, .	3.3	68
17	Chip-integrated ultrafast graphene photodetector with high responsivity. Nature Photonics, 2013, 7, 883-887.	31.4	971
18	High-Contrast Electrooptic Modulation of a Photonic Crystal Nanocavity by Electrical Gating of Graphene. Nano Letters, 2013, 13, 691-696.	9.1	177

#	ARTICLE	IF	CITATIONS
19	Controlling the spontaneous emission rate of monolayer MoS <sub>2</sub> in a photonic crystal nanocavity. Applied Physics Letters, 2013, 103, 181119.	3.3	194
20	Transport/Magnetotransport of High-Performance Graphene Transistors on Organic Molecule-Functionalized Substrates. Nano Letters, 2012, 12, 964-969.	9.1	62
21	High-Quality Graphene <i>p-n</i> Junctions <i>via</i> Resist-free Fabrication and Solution-Based Noncovalent Functionalization. ACS Nano, 2011, 5, 2051-2059.	14.6	116