

Fengnian Xia

List of Publications by Year in descending order

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178
papers

36,097
citations

9254

74
h-index

12258

133
g-index

181
all docs

181
docs citations

181
times ranked

30556
citing authors

#	ARTICLE	IF	CITATIONS
1	Rediscovering black phosphorus as an anisotropic layered material for optoelectronics and electronics. Nature Communications, 2014, 5, 4458.	5.8	2,866
2	Ultrafast graphene photodetector. Nature Nanotechnology, 2009, 4, 839-843.	15.6	2,748
3	Two-dimensional material nanophotonics. Nature Photonics, 2014, 8, 899-907.	15.6	2,362
4	Graphene photodetectors for high-speed optical communications. Nature Photonics, 2010, 4, 297-301.	15.6	2,122
5	Recent Advances in Two-Dimensional Materials beyond Graphene. ACS Nano, 2015, 9, 11509-11539.	7.3	2,069
6	Highly anisotropic and robust excitons in monolayer black phosphorus. Nature Nanotechnology, 2015, 10, 517-521.	15.6	1,204
7	Graphene Field-Effect Transistors with High On/Off Current Ratio and Large Transport Band Gap at Room Temperature. Nano Letters, 2010, 10, 715-718.	4.5	1,191
8	The renaissance of black phosphorus. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4523-4530.	3.3	1,143
9	Tunable infrared plasmonic devices using graphene/insulator stacks. Nature Nanotechnology, 2012, 7, 330-334.	15.6	1,097
10	Ultracompact optical buffers on a silicon chip. Nature Photonics, 2007, 1, 65-71.	15.6	1,033
11	Strong light-matter coupling in two-dimensional atomic crystals. Nature Photonics, 2015, 9, 30-34.	15.6	865
12	Damping pathways of mid-infrared plasmons in graphene nanostructures. Nature Photonics, 2013, 7, 394-399.	15.6	815
13	High-frequency, scaled graphene transistors on diamond-like carbon. Nature, 2011, 472, 74-78.	13.7	813
14	The origins and limits of metal-graphene junction resistance. Nature Nanotechnology, 2011, 6, 179-184.	15.6	730
15	Microwave Absorption Enhancement of Multifunctional Composite Microspheres with Spinel Fe ₃ O ₄ Cores and Anatase TiO ₂ Shells. Small, 2012, 8, 1214-1221.	5.2	730
16	Black Phosphorus Mid-Infrared Photodetectors with High Gain. Nano Letters, 2016, 16, 4648-4655.	4.5	616
17	Tunable optical properties of multilayer black phosphorus thin films. Physical Review B, 2014, 90, .	1.1	592
18	Photocurrent Imaging and Efficient Photon Detection in a Graphene Transistor. Nano Letters, 2009, 9, 1039-1044.	4.5	543

#	ARTICLE	IF	CITATIONS
19	Plasmons and Screening in Monolayer and Multilayer Black Phosphorus. <i>Physical Review Letters</i> , 2014, 113, 106802.	2.9	515
20	Reinventing germanium avalanche photodetector for nanophotonic on-chip optical interconnects. <i>Nature</i> , 2010, 464, 80-84.	13.7	500
21	Photoconductivity of biased graphene. <i>Nature Photonics</i> , 2013, 7, 53-59.	15.6	467
22	High-throughput silicon nanophotonic wavelength-insensitive switch for on-chip optical networks. <i>Nature Photonics</i> , 2008, 2, 242-246.	15.6	420
23	Ultra-compact high order ring resonator filters using submicron silicon photonic wires for on-chip optical interconnects. <i>Optics Express</i> , 2007, 15, 11934.	1.7	399
24	Black Arsenic-Phosphorus: Layered Anisotropic Infrared Semiconductors with Highly Tunable Compositions and Properties. <i>Advanced Materials</i> , 2015, 27, 4423-4429.	11.1	378
25	State-of-the-Art Graphene High-Frequency Electronics. <i>Nano Letters</i> , 2012, 12, 3062-3067.	4.5	371
26	Electronic transport and device prospects of monolayer molybdenum disulphide grown by chemical vapour deposition. <i>Nature Communications</i> , 2014, 5, 3087.	5.8	370
27	Role of contacts in graphene transistors: A scanning photocurrent study. <i>Physical Review B</i> , 2009, 79, .	1.1	347
28	Utilization of a Buffered Dielectric to Achieve High Field-Effect Carrier Mobility in Graphene Transistors. <i>Nano Letters</i> , 2009, 9, 4474-4478.	4.5	341
29	Black Phosphorus Radio-Frequency Transistors. <i>Nano Letters</i> , 2014, 14, 6424-6429.	4.5	307
30	Widely tunable black phosphorus mid-infrared photodetector. <i>Nature Communications</i> , 2017, 8, 1672.	5.8	283
31	Anisotropic Black Phosphorus Synaptic Device for Neuromorphic Applications. <i>Advanced Materials</i> , 2016, 28, 4991-4997.	11.1	281
32	Photocurrent in graphene harnessed by tunable intrinsic plasmons. <i>Nature Communications</i> , 2013, 4, 1951.	5.8	280
33	Group index and group velocity dispersion in silicon-on-insulator photonic wires. <i>Optics Express</i> , 2006, 14, 3853.	1.7	259
34	Efficient electrical control of thin-film black phosphorus bandgap. <i>Nature Communications</i> , 2017, 8, 14474.	5.8	249
35	Infrared Spectroscopy of Tunable Dirac Terahertz Magneto-Plasmons in Graphene. <i>Nano Letters</i> , 2012, 12, 3766-3771.	4.5	232
36	Solution-processed titanium carbide MXene films examined as highly transparent conductors. <i>Nanoscale</i> , 2016, 8, 16371-16378.	2.8	227

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37	Stacked 2D materials shed light. <i>Nature Materials</i> , 2015, 14, 264-265.	13.3	203
38	Black phosphorus and its isoelectronic materials. <i>Nature Reviews Physics</i> , 2019, 1, 306-317.	11.9	196
39	Graphene Plasmonic Metasurfaces to Steer Infrared Light. <i>Scientific Reports</i> , 2015, 5, 12423.	1.6	190
40	Infrared Spectroscopy of Wafer-Scale Graphene. <i>ACS Nano</i> , 2011, 5, 9854-9860.	7.3	187
41	Graphene applications in electronics and photonics. <i>MRS Bulletin</i> , 2012, 37, 1225-1234.	1.7	186
42	Optoelectronic devices based on two-dimensional transition metal dichalcogenides. <i>Nano Research</i> , 2016, 9, 1543-1560.	5.8	186
43	Semimetals for high-performance photodetection. <i>Nature Materials</i> , 2020, 19, 830-837.	13.3	181
44	Supercontinuum generation in silicon photonic wires. <i>Optics Express</i> , 2007, 15, 15242.	1.7	180
45	CMOS-integrated high-speed MSM germanium waveguide photodetector. <i>Optics Express</i> , 2010, 18, 4986.	1.7	171
46	Interlayer interactions in anisotropic atomically thin rhenium diselenide. <i>Nano Research</i> , 2015, 8, 3651-3661.	5.8	159
47	Air-Stable Room-Temperature Mid-Infrared Photodetectors Based on hBN/Black Arsenic Phosphorus/hBN Heterostructures. <i>Nano Letters</i> , 2018, 18, 3172-3179.	4.5	145
48	Telecommunications-band heralded single photons from a silicon nanophotonic chip. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	133
49	A wavelength-scale black phosphorus spectrometer. <i>Nature Photonics</i> , 2021, 15, 601-607.	15.6	130
50	Tunable Phonon-Induced Transparency in Bilayer Graphene Nanoribbons. <i>Nano Letters</i> , 2014, 14, 4581-4586.	4.5	129
51	Ultrahigh-Bandwidth Silicon Photonic Nanowire Waveguides for On-Chip Networks. <i>IEEE Photonics Technology Letters</i> , 2008, 20, 398-400.	1.3	128
52	Synthesis of thin-film black phosphorus on a flexible substrate. <i>2D Materials</i> , 2015, 2, 031002.	2.0	124
53	Mode conversion losses in silicon-on-insulator photonic wire based racetrack resonators. <i>Optics Express</i> , 2006, 14, 3872.	1.7	122
54	Efficient electrical detection of mid-infrared graphene plasmons at room temperature. <i>Nature Materials</i> , 2018, 17, 986-992.	13.3	119

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55	Microwave absorption enhancement and electron microscopy characterization of BaTiO ₃ nano-torus. <i>Nanoscale</i> , 2011, 3, 3860.	2.8	109
56	Graphene Electronics: Materials, Devices, and Circuits. <i>Proceedings of the IEEE</i> , 2013, 101, 1620-1637.	16.4	104
57	Approaching total absorption at near infrared in a large area monolayer graphene by critical coupling. <i>Applied Physics Letters</i> , 2014, 105, 181105.	1.5	103
58	Two-dimensional materials for nanophotonics application. <i>Nanophotonics</i> , 2015, 4, 128-142.	2.9	97
59	A Dynamically Reconfigurable Ambipolar Black Phosphorus Memory Device. <i>ACS Nano</i> , 2016, 10, 10428-10435.	7.3	97
60	The Interaction of Light and Graphene: Basics, Devices, and Applications. <i>Proceedings of the IEEE</i> , 2013, 101, 1717-1731.	16.4	94
61	Nonlinear-Optical Phase Control in Dispersion-Engineered Si Photonic Wires. <i>Optics Express</i> , 2008, 16, 1280.	1.7	93
62	Infrared Nanophotonics Based on Graphene Plasmonics. <i>ACS Photonics</i> , 2017, 4, 2989-2999.	3.2	92
63	Coupled resonator optical waveguides based on silicon-on-insulator photonic wires. <i>Applied Physics Letters</i> , 2006, 89, 041122.	1.5	90
64	Bright Mid-Infrared Photoluminescence from Thin-Film Black Phosphorus. <i>Nano Letters</i> , 2019, 19, 1488-1493.	4.5	90
65	Stable Graphene-Two-Dimensional Multiphase Perovskite Heterostructure Phototransistors with High Gain. <i>Nano Letters</i> , 2017, 17, 7330-7338.	4.5	88
66	Revealing the Contribution of Individual Factors to Hydrogen Evolution Reaction Catalytic Activity. <i>Advanced Materials</i> , 2018, 30, e1706076.	11.1	86
67	Synthesis of Crystalline Black Phosphorus Thin Film on Sapphire. <i>Advanced Materials</i> , 2018, 30, 1703748.	11.1	86
68	Plasmonics in Atomically Thin Crystalline Silver Films. <i>ACS Nano</i> , 2019, 13, 7771-7779.	7.3	86
69	A microcavity-controlled, current-driven, on-chip nanotube emitter at infrared wavelengths. <i>Nature Nanotechnology</i> , 2008, 3, 609-613.	15.6	85
70	An asymmetric twin-waveguide high-bandwidth photodiode using a lateral taper coupler. <i>IEEE Photonics Technology Letters</i> , 2001, 13, 845-847.	1.3	83
71	CMOS-Integrated Optical Receivers for On-Chip Interconnects. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 1376-1385.	1.9	82
72	Hierarchical magnetic yolk-shell microspheres with mixed barium silicate and barium titanium oxide shells for microwave absorption enhancement. <i>Journal of Materials Chemistry</i> , 2012, 22, 9277.	6.7	81

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73	Widely tunable mid-infrared light emission in thin-film black phosphorus. <i>Science Advances</i> , 2020, 6, eaay6134.	4.7	80
74	Artificial Metaphotonics Born Naturally in Two Dimensions. <i>Chemical Reviews</i> , 2020, 120, 6197-6246.	23.0	78
75	Quantum Behavior of Graphene Transistors near the Scaling Limit. <i>Nano Letters</i> , 2012, 12, 1417-1423.	4.5	77
76	Single-crystalline germanium nanomembrane photodetectors on foreign nanocavities. <i>Science Advances</i> , 2017, 3, e1602783.	4.7	76
77	Strong mid-infrared photoresponse in small-twist-angle bilayer graphene. <i>Nature Photonics</i> , 2020, 14, 549-553.	15.6	76
78	Statistics of light transport in 235-ring silicon coupled-resonator optical waveguides. <i>Optics Express</i> , 2010, 18, 26505.	1.7	74
79	Tunable Plasmon-Phonon Polaritons in Layered Graphene-Hexagonal Boron Nitride Heterostructures. <i>ACS Photonics</i> , 2015, 2, 907-912.	3.2	70
80	Intelligent infrared sensing enabled by tunable moiré quantum geometry. <i>Nature</i> , 2022, 604, 266-272.	13.7	69
81	Plasmonics of coupled graphene micro-structures. <i>New Journal of Physics</i> , 2012, 14, 125001.	1.2	68
82	Coupling-Enhanced Broadband Mid-infrared Light Absorption in Graphene Plasmonic Nanostructures. <i>ACS Nano</i> , 2016, 10, 11172-11178.	7.3	62
83	Novel Midinfrared Plasmonic Properties of Bilayer Graphene. <i>Physical Review Letters</i> , 2014, 112, 116801.	2.9	56
84	Protective molecular passivation of black phosphorus. <i>Npj 2D Materials and Applications</i> , 2017, 1, .	3.9	52
85	High T/sub O/ long-wavelength InGaAsN quantum-well lasers grown by GSMBE using a solid arsenic source. <i>IEEE Photonics Technology Letters</i> , 2002, 14, 597-599.	1.3	50
86	All-optical wavelength conversion using a regrowth-free monolithically integrated Sagnac interferometer. <i>IEEE Photonics Technology Letters</i> , 2003, 15, 254-256.	1.3	48
87	Large-Velocity Saturation in Thin-Film Black Phosphorus Transistors. <i>ACS Nano</i> , 2018, 12, 5003-5010.	7.3	44
88	Progress on Black Phosphorus Photonics. <i>Advanced Optical Materials</i> , 2018, 6, 1800365.	3.6	44
89	Photonic integration using asymmetric twin-waveguide (ATG) technology: part I-concepts and theory. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2005, 11, 17-29.	1.9	42
90	Room Temperature Graphene Mid-Infrared Bolometer with a Broad Operational Wavelength Range. <i>ACS Photonics</i> , 2020, 7, 1206-1215.	3.2	41

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91	A high-responsivity high-bandwidth asymmetric twin-waveguide coupled InGaAs-InP-InAlAs avalanche photodiode. IEEE Photonics Technology Letters, 2002, 14, 1590-1592.	1.3	40
92	Waveguide dispersion effects in silicon-on-insulator coupled-resonator optical waveguides. Optics Letters, 2010, 35, 3030.	1.7	36
93	Photonic integration using asymmetric twin-waveguide (ATG) technology: part II-devices. IEEE Journal of Selected Topics in Quantum Electronics, 2005, 11, 30-42.	1.9	35
94	Electrically tunable physical properties of two-dimensional materials. Nano Today, 2019, 27, 99-119.	6.2	35
95	Moiré Band Topology in Twisted Bilayer Graphene. Nano Letters, 2020, 20, 6076-6083.	4.5	30
96	Monolithic integration of a semiconductor optical amplifier and a high bandwidth p-i-n photodiode using asymmetric twin-waveguide technology. IEEE Photonics Technology Letters, 2003, 15, 452-454.	1.3	28
97	Low-power continuous-wave four-wave mixing in silicon coupled-resonator optical waveguides. Optics Letters, 2011, 36, 2964.	1.7	25
98	Electrothermal Control of Graphene Plasmon-Phonon Polaritons. Advanced Materials, 2017, 29, 1700566.	11.1	24
99	A Monolithically Integrated Long-Wavelength Balanced Photodiode Using Asymmetric Twin-Waveguide Technology. IEEE Photonics Technology Letters, 2004, 16, 236-238.	1.3	23
100	RF performance of short channel graphene field-effect transistor. , 2010, , .		23
101	Photothermal Engineering of Graphene Plasmons. Physical Review Letters, 2018, 121, 057404.	2.9	22
102	Valley-Selective Linear Dichroism in Layered Tin Sulfide. ACS Photonics, 2018, 5, 3814-3819.	3.2	22
103	CMOS-Integrated 40GHz Germanium Waveguide Photodetector for On-chip Optical Interconnects. , 2009, , .		21
104	Black Phosphorus High-Frequency Transistors with Local Contact Bias. ACS Nano, 2020, 14, 2118-2125.	7.3	21
105	Symmetry-Controlled Electron-Phonon Interactions in van der Waals Heterostructures. ACS Nano, 2019, 13, 552-559.	7.3	20
106	Asymmetric twin-waveguide 1.55- μ m wavelength laser with a distributed Bragg reflector. IEEE Photonics Technology Letters, 2000, 12, 468-470.	1.3	18
107	Nonreciprocity of counterpropagating signals in a monolithically integrated Sagnac interferometer. Optics Letters, 2004, 29, 513.	1.7	18
108	Ultrafast Silicon Nanomembrane Microbolometer for Long-Wavelength Infrared Light Detection. Nano Letters, 2021, 21, 8385-8392.	4.5	16

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109	Graphene versus metal plasmons. <i>Nature Photonics</i> , 2013, 7, 420-420.	15.6	14
110	Emergent quantum materials. <i>MRS Bulletin</i> , 2020, 45, 340-347.	1.7	14
111	Probing interlayer interaction via chiral phonons in layered honeycomb materials. <i>Physical Review B</i> , 2021, 103, .	1.1	14
112	An Asymmetric Twin Waveguide Eight-Channel Polarization-Independent Arrayed Waveguide Grating With an Integrated Photodiode Array. <i>IEEE Photonics Technology Letters</i> , 2004, 16, 1170-1172.	1.3	13
113	Beyond Graphene: Low-Symmetry and Anisotropic 2D Materials. <i>Journal of Applied Physics</i> , 2020, 128, 140401.	1.1	13
114	Graphene Schottky Varactor Diodes for High-Performance Photodetection. <i>ACS Photonics</i> , 2019, 6, 1910-1915.	3.2	11
115	Reduction of Absorption Loss in Asymmetric Twin Waveguide Laser Tapers Using Argon Plasma-Enhanced Quantum-Well Intermixing. <i>IEEE Photonics Technology Letters</i> , 2004, 16, 2221-2223.	1.3	10
116	Graphene-based fast electronics and optoelectronics. , 2010, , .		10
117	Graphene Nanophotonics. <i>IEEE Photonics Journal</i> , 2011, 3, 293-295.	1.0	10
118	Introduction to the Issue on 2-D Materials Optoelectronics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017, 23, 4-6.	1.9	9
119	Enabling novel device functions with black phosphorus/MoS ₂ van der Waals heterostructures. <i>Science Bulletin</i> , 2017, 62, 1557-1558.	4.3	9
120	Ultrafast nanoprobng. <i>Nature Photonics</i> , 2010, 4, 882-882.	15.6	8
121	Abnormal cubic-tetragonal phase transition of barium strontium titanate nanoparticles studied by <i>in situ</i> Raman spectroscopy and transmission electron microscopy heating experiments. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	8
122	Ultra-compact silicon WDM optical filters with flat - top response for on-chip optical interconnects. , 2007, , .		7
123	Communication technologies for exascale systems. , 2009, , .		7
124	Introduction to the issue on graphene optoelectronics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014, 20, 6-8.	1.9	7
125	A monolithically integrated optical heterodyne receiver. <i>IEEE Photonics Technology Letters</i> , 2005, 17, 1716-1718.	1.3	6
126	Group index and group velocity dispersion in silicon-on-insulator photonic wires: errata. <i>Optics Express</i> , 2006, 14, 6372.	1.7	6

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127	Silicon micro-resonators for on-chip optical networks. , 2008, , .		6
128	Electrons en masse. Nature Nanotechnology, 2014, 9, 575-576.	15.6	6
129	Integrated photonics using asymmetric twin-waveguide structures. , 0, , .		5
130	Demonstration of 300 Gbps Error-Free Transmission of WDM Data Stream in Silicon Photonic Wires. , 2007, , .		5
131	Supercontinuum generation in silicon photonic wires. , 2008, , .		5
132	High-Throughput Silicon Nanophotonic Deflection Switch for On-Chip Optical Networks. , 2008, , .		5
133	235-ring Coupled-Resonator Optical Waveguides. , 2010, , .		4
134	Carbon nanotubes and optical confinement: controlling light emission in nanophotonic devices. Proceedings of SPIE, 2008, , .	0.8	3
135	High on-off ratio Bilayer Graphene complementary field effect transistors. , 2010, , .		3
136	Flat talk. Nature Photonics, 2016, 10, 205-206.	15.6	3
137	Slow light, fast computers. Nature Photonics, 2007, 1, 72-72.	15.6	2
138	Ultrafast Graphene Photodetector. , 2010, , .		2
139	The interaction of light and graphene: Basics, devices and applications. , 2013, , .		2
140	Titanium Carbide MXene Flakes as Novel 2D Metallic Solution-Processed Films. ECS Transactions, 2016, 75, 37-41.	0.3	2
141	Black Phosphorus MOSFET for Future-Generation Thin-Film Electronics Capable of Microwave Operation. , 2019, , .		2
142	Enhancing infrared emission of mercury telluride (HgTe) quantum dots by plasmonic structures. Light: Science and Applications, 2020, 9, 37.	7.7	2
143	CMOS-Integrated Small-Capacitance Germanium Waveguide Photodetector for Optical Interconnects. , 2009, , .		2
144	Monolithically integrated balanced photodiode using asymmetric twin-waveguide technology. , 0, , .		1

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145	Ultrahigh-Bandwidth WDM Signal Integrity in Silicon-on-Insulator Nanowire Waveguides. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	1
146	Cavity-controlled, electrically-induced infrared emission from a single single-wall carbon nanotube (SWCT). , 2008, , .		1
147	Silicon photonic wire circuits for on-chip optical interconnects. Proceedings of SPIE, 2008, , .	0.8	1
148	CMOS-Integrated Low-Noise Germanium Waveguide Avalanche Photodetector Operating at 40Gbps. , 2010, , .		1
149	Graphene nanophotonics. , 2010, , .		1
150	Slow light enhancement of four-wave mixing in coupled silicon-on-insulator microrings. Proceedings of SPIE, 2012, , .	0.8	1
151	Feature issue introduction: two-dimensional materials for photonics and optoelectronics. Optical Materials Express, 2016, 6, 2458.	1.6	1
152	Black phosphorous optoelectronic devices. , 2017, , .		1
153	Black Phosphorus Optoelectronics. , 2016, , .		1
154	High efficiency InGaAsN based quantum well lasers grown by GSMBE using a solid As source. , 0, , .		0
155	Monolithically integrated Sagnac interferometer for all-optical wavelength conversion. , 0, , .		0
156	Nonreciprocity of counterpropagating signals in a monolithically integrated Sagnac interferometer:â€ferratum. Optics Letters, 2004, 29, 1156.	1.7	0
157	Resonantly enhanced all optical buffers on a silicon chip. , 2007, , .		0
158	Silicon integrated nanophotonics for on-chip optical interconnects. , 2008, , .		0
159	Broadband ultra-compact nanophotonic optical modulators and switches. , 2008, , .		0
160	Graphene and carbon nanotube photonics. , 2009, , .		0
161	Integration of nanophotonic devices for on-chip optical interconnects. , 2009, , .		0
162	Waveguide-Integrated Low-Noise Germanium Avalanche Photodetector with 6dB Sensitivity Improvement. , 2010, , .		0

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163	(Invited) Integration of Germanium Avalanche Photodetectors on Silicon for On-Chip Optical Interconnects. ECS Transactions, 2010, 33, 749-756.	0.3	0
164	Zero-dark current operation of a metal-graphene-metal photodetector at 10 Gbit/s data rate. , 2010, , .		0
165	Waveguide-integrated Germanium avalanche photodetector for low-noise and high-speed operation. , 2010, , .		0
166	Statistics of photon transport in hundreds of coupled resonators. , 2011, , .		0
167	Correlations between light at spectrally distant wavelengths in coupled microring resonator waveguides. , 2011, , .		0
168	Heralded single photons from silicon coupled-resonator optical waveguides. , 2012, , .		0
169	Heralded single photons from a silicon nanophotonic chip. , 2012, , .		0
170	Graphene and Beyond for Ultrafast Optical Communications and Interconnects. , 2014, , .		0
171	Strong light-matter coupling in atomic monolayers. , 2014, , .		0
172	Light Emission from Atomic Monolayers in a One-Dimensional Microcavity. , 2014, , .		0
173	Optical Phase Anisotropy in Layered Black Phosphorus. , 2016, , .		0
174	Vertical ambipolar barrier transistor based on black phosphorous-tin selenide van der waals heterojunction. , 2016, , .		0
175	Plasmonics in Atomically Thin Crystalline Silver. , 2019, , .		0
176	Design and fabrication of an ultra-compact silicon on insulator demultiplexer based on arrayed waveguide gratings. , 2008, , .		0
177	Intra- and Inter-band Four-wave Mixing in Silicon Coupled Resonator Optical Waveguides. , 2011, , .		0
178	A tale of two dimensionalities. Nature Materials, 2022, 21, 735-736.	13.3	0