

Hongjun Yang

List of Publications by Year in descending order

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57
papers

1,474
citations

394286

19
h-index

414303

32
g-index

59
all docs

59
docs citations

59
times ranked

1802
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress in 2D photonic crystal Fano resonance photonics. Progress in Quantum Electronics, 2014, 38, 1-74.	3.5	232
2	Transfer-printed stacked nanomembrane lasers on silicon. Nature Photonics, 2012, 6, 615-620.	15.6	195
3	Microstructured surface design for omnidirectional antireflection coatings on solar cells. Journal of Applied Physics, 2007, 102, .	1.1	127
4	Approaching total absorption at near infrared in a large area monolayer graphene by critical coupling. Applied Physics Letters, 2014, 105, 181105.	1.5	103
5	Flexible Phototransistors Based on Single-Crystalline Silicon Nanomembranes. Advanced Optical Materials, 2016, 4, 120-125.	3.6	76
6	Surface texturing by solution deposition for omnidirectional antireflection. Applied Physics Letters, 2007, 91, .	1.5	67
7	Large-area InP-based crystalline nanomembrane flexible photodetectors. Applied Physics Letters, 2010, 96, .	1.5	65
8	Flexible photonic-crystal Fano filters based on transferred semiconductor nanomembranes. Journal Physics D: Applied Physics, 2009, 42, 234007.	1.3	64
9	Fano filters based on transferred silicon nanomembranes on plastic substrates. Applied Physics Letters, 2008, 93, 061106.	1.5	62
10	Coupled double-layer Fano resonance photonic crystal filters with lattice-displacement. Applied Physics Letters, 2013, 103, .	1.5	58
11	Flexible Transient Optical Waveguides and Surface-Wave Biosensors Constructed from Monocrystalline Silicon. Advanced Materials, 2018, 30, e1801584.	11.1	55
12	Polarization and angular dependent transmissions on transferred nanomembrane Fano filters. Optics Express, 2009, 17, 8396.	1.7	44
13	Optofluidic Fano resonance photonic crystal refractometric sensors. Applied Physics Letters, 2017, 110, .	1.5	41
14	Printed Large-Area Single-Mode Photonic Crystal Bandedge Surface-Emitting Lasers on Silicon. Scientific Reports, 2016, 6, 18860.	1.6	33
15	Polarization independent broadband reflectors based on cross-stacked gratings. Optics Express, 2011, 19, 9050.	1.7	28
16	Broadband Membrane Reflectors on Glass. IEEE Photonics Technology Letters, 2012, 24, 476-478.	1.3	28
17	Large-Area Printed Broadband Membrane Reflectors by Laser Interference Lithography. IEEE Photonics Journal, 2013, 5, 2200106-2200106.	1.0	28
18	Design of Fano Broadband Reflectors on SOI. IEEE Photonics Technology Letters, 2010, 22, 1108-1110.	1.3	26

#	ARTICLE	IF	CITATIONS
19	Resonance control of membrane reflectors with effective index engineering. Applied Physics Letters, 2009, 95, 023110.	1.5	25
20	Transferred Flexible Three-Color Silicon Membrane Photodetector Arrays. IEEE Photonics Journal, 2015, 7, 1-6.	1.0	17
21	Colloidal quantum dot absorption enhancement in flexible Fano filters. Applied Physics Letters, 2010, 96, .	1.5	15
22	Transfer Printed Nanomembranes for Heterogeneously Integrated Membrane Photonics. Photonics, 2015, 2, 1081-1100.	0.9	14
23	Semiconductor nanomembranes for integrated silicon photonics and flexible Photonics. Optical and Quantum Electronics, 2012, 44, 605-611.	1.5	13
24	Photonic crystal bandedge membrane lasers on silicon. Applied Optics, 2017, 56, H67.	0.9	11
25	On-Chip Photonic Crystal Surface-Emitting Membrane Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-11.	1.9	11
26	Spectrally selective infrared absorption enhancement in photonic crystal cavities. Proceedings of SPIE, 2008, , .	0.8	6
27	Selective release of InP heterostructures from InP substrates. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2016, 34, 041229.	0.6	5
28	Design and Characterization of Photonic Crystal Membrane Reflector Based Vertical Cavity Surface Emitting Lasers on Silicon. Reviews in Nanoscience and Nanotechnology, 2014, 3, 77-87.	0.4	5
29	Semiconductor nanomembranes for stacked and flexible photonics. , 2010, , .		2
30	Flexible crystalline InP nanomembrane LED arrays. , 2010, , .		2
31	Semiconductor nanomembranes for integrated and flexible photonics. , 2011, , .		2
32	Flexible three-color silicon membrane photodetector arrays. , 2014, , .		2
33	Optofluidic Double-layer Fano Resonance Photonic Crystal Slab Liquid Sensors. , 2015, , .		2
34	Characteristics of Photonic Crystal Cavity Based Infrared Photodetectors. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	1
35	Spectral trimming of fano reflectors on silicon and glass substrates. , 2008, , .		1
36	Crystalline silicon nanomembrane stacking for large-area flexible photodetectors. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
37	Direct measurement of spectrally selective absorption enhancement in Fano resonance photonic crystal cavities on plastic substrates. Proceedings of SPIE, 2010, , .	0.8	1
38	Optical Waveguides: Flexible Transient Optical Waveguides and Surface-Wave Biosensors Constructed from Monocrystalline Silicon (Adv. Mater. 32/2018). Advanced Materials, 2018, 30, 1870239.	11.1	1
39	Printed Photonic Crystal Bandedge Surface-emitting Lasers on Silicon. , 2015, , .		1
40	Solution Processed Large Area Surface Textures Based on Dip Coating. , 2008, , .		0
41	Frame-assisted membrane transfer for large area optoelectronic devices on flexible substrates. , 2011, , .		0
42	Nanomembrane transfer printing for MR-VCSELs on silicon. , 2012, , .		0
43	Transfer printed photonic crystal nanomembrane lasers on silicon with low optical pumping threshold. , 2012, , .		0
44	Cavity design of nanomembrane MR-VCSELs on silicon. , 2012, , .		0
45	Fabrication and Characterization of Si/GaN P Heterojunction Photodetectors. , 2012, , .		0
46	Electrically-pumped membrane-reflector surface-emitters on silicon. , 2013, , .		0
47	Fabrication of electrically-pumped resonance-cavity membrane-reflector surface-emitters on silicon. , 2013, , .		0
48	Transfer printed nanomembrane high-Q filters based on displaced double-layer fano resonance photonic crystal slabs. , 2013, , .		0
49	Surface-normal photonic crystal membrane reflectors with integrated inplane couplers for integrated silicon photonics. , 2014, , .		0
50	High-performance photonic crystal membrane reflectors by magnetically guided metal-assisted chemical etching. Proceedings of SPIE, 2014, , .	0.8	0
51	Heterogeneously integrated InGaAs and Si membrane four color focal plane arrays. , 2015, , .		0
52	Design and characterization of photonic crystal bandedge surface-emitting lasers on silicon. , 2015, , .		0
53	Photonic crystal surface-emitting lasers on silicon substrates. , 2017, , .		0
54	Heterogeneous material integration with photonic crystal platforms for nanophotonic devices on foreign substrates. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
55	Printed Photonic Crystal Membrane Lasers on Silicon. , 2016, , .		0
56	Room Temperature Photonic Crystal Bandedge Membrane Lasers on SOI Substrates. , 2016, , .		0
57	Active Photonic Crystal Devices for 3D Integrated Photonics. , 2017, , .		0