

# Hongjun Yang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36

papers

1,122

citations

18

h-index

33

g-index

59

ext. papers

1,351

ext. citations

5.9

avg, IF

3.76

L-index

#	Paper	IF	Citations
36	On-Chip Photonic Crystal Surface-Emitting Membrane Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2019</b> , 25, 1-11	3.8	7
35	Optical Waveguides: Flexible Transient Optical Waveguides and Surface-Wave Biosensors Constructed from Monocrystalline Silicon (Adv. Mater. 32/2018). <i>Advanced Materials</i> , <b>2018</b> , 30, 1870239 <sup>24</sup>		1
34	Flexible Transient Optical Waveguides and Surface-Wave Biosensors Constructed from Monocrystalline Silicon. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801584	24	36
33	Optofluidic Fano resonance photonic crystal refractometric sensors. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 091105	3.4	26
32	Photonic crystal bandedge membrane lasers on silicon. <i>Applied Optics</i> , <b>2017</b> , 56, H67-H73	1.7	10
31	Semiconductor Nanomembranes for Fano Resonance Photonic Crystal Devices <b>2016</b> , 271-304		1
30	Printed Large-Area Single-Mode Photonic Crystal Bandedge Surface-Emitting Lasers on Silicon. <i>Scientific Reports</i> , <b>2016</b> , 6, 18860	4.9	23
29	Selective release of InP heterostructures from InP substrates. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , <b>2016</b> , 34, 041229	1.3	5
28	Flexible Phototransistors Based on Single-Crystalline Silicon Nanomembranes. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 120-125	8.1	65
27	Optofluidic Double-layer Fano Resonance Photonic Crystal Slab Liquid Sensors <b>2015</b> ,		1
26	Transferred Flexible Three-Color Silicon Membrane Photodetector Arrays. <i>IEEE Photonics Journal</i> , <b>2015</b> , 7, 1-6	1.8	12
25	Transfer Printed Nanomembranes for Heterogeneously Integrated Membrane Photonics. <i>Photonics</i> , <b>2015</b> , 2, 1081-1100	2.2	10
24	Progress in 2D photonic crystal Fano resonance photonics. <i>Progress in Quantum Electronics</i> , <b>2014</b> , 38, 1-74	9.1	165
23	Flexible three-color silicon membrane photodetector arrays <b>2014</b> ,		1
22	Approaching total absorption at near infrared in a large area monolayer graphene by critical coupling. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 181105	3.4	83
21	Design and Characterization of Photonic Crystal Membrane Reflector Based Vertical Cavity Surface Emitting Lasers on Silicon. <i>Reviews in Nanoscience and Nanotechnology</i> , <b>2014</b> , 3, 77-87		2
20	Coupled double-layer Fano resonance photonic crystal filters with lattice-displacement. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 241106	3.4	43

19	Large-Area Printed Broadband Membrane Reflectors by Laser Interference Lithography. <i>IEEE Photonics Journal</i> , <b>2013</b> , 5, 2200106-2200106	1.8	25
18	Semiconductor nanomembranes for integrated silicon photonics and flexible Photonics. <i>Optical and Quantum Electronics</i> , <b>2012</b> , 44, 605-611	2.4	12
17	Broadband Membrane Reflectors on Glass. <i>IEEE Photonics Technology Letters</i> , <b>2012</b> , 24, 476-478	2.2	18
16	Transfer-printed stacked nanomembrane lasers on silicon. <i>Nature Photonics</i> , <b>2012</b> , 6, 615-620	33.9	147
15	Polarization independent broadband reflectors based on cross-stacked gratings. <i>Optics Express</i> , <b>2011</b> , 19, 9050-5	3.3	22
14	Semiconductor nanomembranes for integrated and flexible photonics <b>2011</b> ,		1
13	Semiconductor nanomembranes for stacked and flexible photonics <b>2010</b> ,		2
12	Large-area InP-based crystalline nanomembrane flexible photodetectors. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 121107	3.4	52
11	Flexible crystalline InP nanomembrane LED arrays <b>2010</b> ,		1
10	Design of Fano Broadband Reflectors on SOI. <i>IEEE Photonics Technology Letters</i> , <b>2010</b> , 22, 1108-1110	2.2	17
9	Colloidal quantum dot absorption enhancement in flexible Fano filters. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 083111	3.4	12
8	Crystalline silicon nanomembrane stacking for large-area flexible photodetectors <b>2009</b> ,		1
7	Resonance control of membrane reflectors with effective index engineering. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 023110	3.4	21
6	Flexible photonic-crystal Fano filters based on transferred semiconductor nanomembranes. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 234007	3	49
5	Polarization and angular dependent transmissions on transferred nanomembrane Fano filters. <i>Optics Express</i> , <b>2009</b> , 17, 8396-406	3.3	35
4	Spectrally selective infrared absorption enhancement in photonic crystal cavities <b>2008</b> ,		3
3	Fano filters based on transferred silicon nanomembranes on plastic substrates. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 061106	3.4	54
2	Surface texturing by solution deposition for omnidirectional antireflection. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 081118	3.4	53

- 1 Microstructured surface design for omnidirectional antireflection coatings on solar cells. *Journal of Applied Physics*, **2007**, 102, 103105 2.5 104