

# Jong-Bum You

## List of Publications by Year in descending order

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39  
papers

449  
citations

759233

12  
h-index

752698

20  
g-index

39  
all docs

39  
docs citations

39  
times ranked

502  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct optical wire bonding through open-to-air polymerization for silicon photonic chips. Optics Letters, 2022, 47, 714.	3.3	10
2	8K Video Data Transmission through Optical Phased Array Packaged by Direct Optical Wire Bonding. , 2022, , .		0
3	Wide-Angle Beam-Steering Using an Optical Phased Array with Non-Uniform-Width Waveguide Radiators. Photonics, 2020, 7, 56.	2.0	8
4	32 Gbps Data Transmission With 2D Beam-Steering Using a Silicon Optical Phased Array. IEEE Photonics Technology Letters, 2020, 32, 803-806.	2.5	54
5	Erratum to "32 Gbps Data Transmission With 2D Beam-Steering Using a Silicon Optical Phased Array" IEEE Photonics Technology Letters, 2020, 32, 843-843.	2.5	0
6	High-speed data transmission system using silicon-based optical phased array. , 2020, , .		0
7	On-chip monitoring of far-field patterns using a planar diffractor in a silicon-based optical phased array. Optics Letters, 2020, 45, 6058.	3.3	14
8	High-Speed Wireless Communication using Beam Steering by Optical Phased Array in Silicon. , 2019, , .		0
9	Silicon-Based Optical Phased Array Using Electro-Optic Phase Shifters. IEEE Photonics Technology Letters, 2019, 31, 1685-1688.	2.5	53
10	High-Speed Data Transmission with Beam-Steering using Silicon Optical Phased Array. , 2019, , .		2
11	Ultra-compact silicon waveguide-integrated Schottky photodetectors using perfect absorption from tapered metal nanobrick arrays. Optics Express, 2019, 27, 16413.	3.4	11
12	Thermo-optic control of the longitudinal radiation angle in a silicon-based optical phased array. Optics Letters, 2019, 44, 411.	3.3	40
13	High-Performance Silicon MMI Switch Based on Thermo-Optic Control of Interference Modes. IEEE Photonics Technology Letters, 2018, 30, 1427-1430.	2.5	14
14	Ultracompact bottom-up photonic crystal lasers on silicon-on-insulator. Scientific Reports, 2017, 7, 9543.	3.3	18
15	Photon-assisted tunneling for sub-bandgap light detection in silicon PN-doped waveguides. Optics Express, 2017, 25, 4284.	3.4	19
16	Facile photothermal synthesis of localized vanadium oxide capable of extraordinary phase transition. Optical Materials Express, 2017, 7, 2860.	3.0	8
17	Hybrid integration of III-V semiconductor lasers on silicon waveguides using optofluidic microbubble manipulation. Scientific Reports, 2016, 6, 29841.	3.3	13
18	Design of nano-photonic phased-array antennas for wide-angle beam-steering. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	Optically pumped subwavelength-scale metallodielectric nanopatch resonators. Scientific Reports, 2016, 6, 31793.	3.3	1
20	Design of nano-photonics phased-array antennas for wide-angle beam-steering. , 2016, , .		0
21	Laser-induced localized photothermal conversion of vanadium into vanadium oxides. , 2016, , .		0
22	Electrically driven surface plasmon polaritons circuits. , 2015, , .		1
23	Near-infrared silicon sub-bandgap photo-detectors for on-chip integrated optical links. , 2015, , .		2
24	Free-carrier electro-refraction modulation based on a silicon slot waveguide with ITO. Optics Express, 2015, 23, 15863.	3.4	47
25	Multiband perfect absorbers using metal-dielectric films with optically dense medium for angle and polarization insensitive operation. Optics Express, 2014, 22, 8339.	3.4	26
26	Wavelength-Selective Optical Filters Based on Metal-Patch Cavities With Slot Waveguide Interfaces. IEEE Photonics Journal, 2014, 6, 1-10.	2.0	0
27	Photothermal in-situ synthesis of localized tungsten oxide nanobeam structures. , 2014, , .		0
28	Direction-selective emission with small angular divergence from a subwavelength aperture using radiative waveguide modes. Physical Review B, 2013, 87, .	3.2	2
29	Nanopatch cavity with a subwavelength-scale cuboidal semiconductor core. , 2013, , .		0
30	Lasing in hybrid metal-Bragg nanocavities. Optics Letters, 2013, 38, 1694.	3.3	1
31	Nano pillar array laser with a bottom metal plane. , 2012, , .		1
32	Room-temperature lasing of a circular Bragg cavity laser with a bottom metal plane. , 2012, , .		0
33	Open Nanopatch Cavity with Annular Bragg Reflector and Bottom Metal Plane. , 2012, , .		0
34	Theoretical and experimental characterization of double-disk whispering-gallery microcavities. , 2012, , 252-266.		0
35	Metallodielectric nanopatch cavity with extended metal shields. , 2011, , .		0
36	Optomechanically-coupled Fishbone-shaped Double-beam Nanoresonators. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
37	High-modulation efficiency silicon Mach-Zehnder optical modulator based on carrier depletion in a PN Diode. Optics Express, 2009, 17, 15520.	3.4	35
38	RF Frequency Doubling Using a Silicon p-i-n Diode-Based Mach-Zehnder Modulator. IEEE Photonics Technology Letters, 2008, 20, 1384-1386.	2.5	3
39	125 Gbps optical modulation of silicon racetrack resonator based on carrier-depletion in asymmetric p-n diode. Optics Express, 2008, 16, 18340.	3.4	66