

Noritsugu Yamamoto

List of Publications by Year in descending order

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50
papers

1,798
citations

759233

12
h-index

477307

29
g-index

51
all docs

51
docs citations

51
times ranked

1275
citing authors

#	ARTICLE	IF	CITATIONS
1	Full Three-Dimensional Photonic Bandgap Crystals at Near-Infrared Wavelengths. <i>Science</i> , 2000, 289, 604-606.	12.6	1,042
2	New Realization Method for Three-Dimensional Photonic Crystal in Optical Wavelength Region. <i>Japanese Journal of Applied Physics</i> , 1996, 35, L909-L912.	1.5	141
3	Optical properties of three-dimensional photonic crystals based on III-V semiconductors at infrared to near-infrared wavelengths. <i>Applied Physics Letters</i> , 1999, 75, 905-907.	3.3	120
4	Photonic crystal directional coupler switch with small switching length and wide bandwidth. <i>Optics Express</i> , 2006, 14, 1223.	3.4	90
5	Alignment and stacking of semiconductor photonic bandgaps by wafer-fusion. <i>Journal of Lightwave Technology</i> , 1999, 17, 1948-1955.	4.6	85
6	Development of One Period of a Three-Dimensional Photonic Crystal in the 5-10 μm Wavelength Region by Wafer Fusion and Laser Beam Diffraction Pattern Observation Techniques. <i>Japanese Journal of Applied Physics</i> , 1998, 37, L1052-L1054.	1.5	72
7	New Realization Method for Three-Dimensional Photonic Crystal in the Optical Wavelength Region: Experimental Consideration. <i>Japanese Journal of Applied Physics</i> , 1997, 36, 1907-1911.	1.5	35
8	100-nm-Scale Alignment using Laser Beam Diffraction Pattern Observation Techniques and Wafer Fusion for Realizing Three-Dimensional Photonic Crystal Structure. <i>Japanese Journal of Applied Physics</i> , 1998, 37, 3334-3338.	1.5	34
9	GaAs-based two-dimensional photonic crystal slab ring resonator consisting of a directional coupler and bent waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 1951.	2.1	34
10	Analysis of two-dimensional photonic crystal L-type cavities with low-refractive-index material cladding. <i>Journal of Optics (United Kingdom)</i> , 2010, 12, 075101.	2.2	14
11	Design of Photonic Crystal Directional Coupler with High Extinction Ratio and Small Coupling Length. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 2575-2578.	1.5	13
12	Development of curved two-dimensional photonic crystal waveguides. <i>Optics Communications</i> , 2008, 281, 5788-5792.	2.1	13
13	Fabrication and Optical Properties of One Period of a Three-Dimensional Photonic Crystal Operating in the 5-10 μm Wavelength Region. <i>Japanese Journal of Applied Physics</i> , 1999, 38, 1282-1285.	1.5	12
14	Ultra-short pulse propagation in 3D GaAs photonic crystals. <i>Optical and Quantum Electronics</i> , 2002, 34, 37-43.	3.3	9
15	The design method of photonic crystal directional coupler switch with short switching length and wide bandwidth. , 2005, , .		9
16	Novel Ring Waveguide Device in a 2D Photonic Crystal Slab - Transmittance Simulated by Finit-Difference Time-Domain Analysis-. <i>Japanese Journal of Applied Physics</i> , 2004, 43, 1995-2001.	1.5	8
17	Simulation of group-velocity-dependent phase shift induced by refractive-index change in an air-bridge-type AlGaAs two-dimensional photonic crystal slab waveguide. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2004, 21, 1833.	2.1	8
18	Spectrometric analysis of silicon nitride films deposited by low-temperature liquid-source CVD. <i>Journal of Applied Physics</i> , 2019, 126, 133101.	2.5	7

#	ARTICLE	IF	CITATIONS
19	Resonant Characteristics in a Two-Dimensional Photonic Crystal Ring Resonator with a Triangular Lattice of Air Holes. Japanese Journal of Applied Physics, 2007, 46, L534-L536.	1.5	6
20	Accurate identification of the band gap of photonic crystals from transmission spectra. Journal of Applied Physics, 2002, 92, 2256-2259.	2.5	5
21	III-V based-semiconductor photonic crystals. Optical and Quantum Electronics, 2002, 34, 723-736.	3.3	5
22	Numerical Analysis of Waveguides in Three-Dimensional Photonic Crystal with Finite Thickness. Japanese Journal of Applied Physics, 2004, 43, 2015-2018.	1.5	5
23	Demonstration of Flat-Band Structure of Two-Dimensional Photonic Crystal Directional Coupler. Japanese Journal of Applied Physics, 2009, 48, 022101.	1.5	4
24	Design of two-dimensional photonic crystal nanocavities with low-refractive-index material cladding. Journal of Optics (United Kingdom), 2010, 12, 015108.	2.2	4
25	Fabrication and Analysis of GaAs Triangular Two-Dimensional Photonic Crystals on Silicon Wafers. Japanese Journal of Applied Physics, 2008, 47, 7453-7458.	1.5	3
26	Photonic Band Engineering of Coupled Waveguide Using Geometrical Modulation. Japanese Journal of Applied Physics, 2008, 47, 8829-8833.	1.5	3
27	Analysis of vertical coupling between a 2D photonic crystal cavity and a hydrogenated-amorphous-silicon-wire waveguide. Photonics and Nanostructures - Fundamentals and Applications, 2012, 10, 287-295.	2.0	3
28	Short Photonic-Crystal Directional Coupling Optical Switch of Extended Optical Bandwidth Using Flat Dispersion. Japanese Journal of Applied Physics, 2011, 50, 032201.	1.5	3
29	Development of a period of three-dimensional photonic crystal operating at optical wavelength region. , 0, , .		2
30	Semiconductor Photonic Crystals. , 2001, , 93-103.		2
31	Demonstration of the wide control range Q factor of ring cavity with ultrashort directional coupler and curved photonic-crystal ring waveguide. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 1521.	2.1	2
32	Demonstration of a photonic crystal directional coupler switch with ultra short switching length. , 2008, , .		2
33	Ultra-short pulse propagation in 3D GaAs photonic crystal. , 0, , .		1
34	Enhancement of the Q value of a microring resonator by introducing curved photonic crystal waveguides. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 1599.	2.1	1
35	Experimental Demonstration of Automatic Reconfiguration and Failure Recovery of Silicon Photonic Circuits. , 2021, , .		1
36	Semiconductor three-dimensional photonic crystals operating at infrared wavelength region. , 0, , .		0

#	ARTICLE	IF	CITATIONS
37	Semiconductor three-dimensional photonic crystals operating at infrared wavelength region. , 0, , .		0
38	Three-dimensional photonic crystals based on III-V semiconductor at 1-2 μ m wavelengths. , 0, , .		0
39	Fabrication of Three-Dimensional Photonic Crystal by Wafer Fusion Approach. Materials Research Society Symposia Proceedings, 2001, 681, 1.	0.1	0
40	<title>Photonic crystal preparation by a wafer bonding approach</title>. , 2001, , .		0
41	Photonic crystal directional coupler switch. , 0, , .		0
42	A Double Pulse Generator by 2D Photonic Crystal Waveguide System. Indium Phosphide and Related Materials Conference (IPRM), IEEE International Conference on, 2007, , .	0.0	0
43	Ultra low-power and compact photonic crystal optical switch controlled by micro-heater directly attached on PhC layer. , 2009, , .		0
44	Short Photonic-Crystal Directional Coupling Optical Switch of Extended Optical Bandwidth Using Flat Dispersion. Japanese Journal of Applied Physics, 2011, 50, 032201.	1.5	0
45	Dispersion-tolerant two-photon Michelson interferometer using telecom-band frequency-entangled photon pairs generated by spontaneous parametric downconversion. Optics Communications, 2015, 342, 83-89.	2.1	0
46	Fabrication of air-stable, transparent Cu grid electrodes by etching through a PVA-based protecting layer patterned using a screen mesh. RSC Advances, 2018, 8, 14864-14869.	3.6	0
47	Simple method of carrier-envelope-offset locking with f-3f self-referencing solely by a dispersion-controlled silicon-nitride waveguide. , 2021, , .		0
48	Ultra-short pulse propagation in 3D GaAs Photonic Crystal. , 2000, , .		0
49	Semiconductor photonic crystals and devices at optical wavelengths. , 2000, , .		0
50	100 \AA deposited transparent silicon nitride film for O-band photonic applications. , 2019, , .		0