

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	Simple method of carrier-envelope-offset locking with f-3f self-referencing solely by a dispersion-controlled silicon-nitride waveguide. , 2021, , .		0
2	Experimental Demonstration of Automatic Reconfiguration and Failure Recovery of Silicon Photonic Circuits. , 2021, , .		1
3	Spectrometric analysis of silicon nitride films deposited by low-temperature liquid-source CVD. Journal of Applied Physics, 2019, 126, 133101.	2.5	7
4	100 Å°C deposited transparent silicon nitride film for O-band photonic applications. , 2019, , .		0
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	Design of two-dimensional photonic crystal nanocavities with low-refractive-index material cladding. Journal of Optics (United Kingdom), 2010, 12, 015108.	2.2	4
13	Analysis of two-dimensional photonic crystal L-type cavities with low-refractive-index material cladding. Journal of Optics (United Kingdom), 2010, 12, 075101.	2.2	14
14	Ultra low-power and compact photonic crystal optical switch controlled by micro-heater directly attached on PhC layer. , 2009, , .		0
15	Demonstration of Flat-Band Structure of Two-Dimensional Photonic Crystal Directional Coupler. Japanese Journal of Applied Physics, 2009, 48, 022101.	1.5	4
16	Development of curved two-dimensional photonic crystal waveguides. Optics Communications, 2008, 281, 5788-5792.	2.1	13
17	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
18	Photonic Band Engineering of Coupled Waveguide Using Geometrical Modulation. Japanese Journal of Applied Physics, 2008, 47, 8829-8833.	1.5	3

#	ARTICLE	IF	CITATIONS
19	Demonstration of a photonic crystal directional coupler switch with ultra short switching length. , 2008, , .		2
20	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
21	GaAs-based two-dimensional photonic crystal slab ring resonator consisting of a directional coupler and bent waveguides. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 1951.	2.1	34
22	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
23	Photonic crystal directional coupler switch with small switching length and wide bandwidth. Optics Express, 2006, 14, 1223.	3.4	90
24	The design method of photonic crystal directional coupler switch with short switching length and wide bandwidth. , 2005, , .		9
25	Design of Photonic Crystal Directional Coupler with High Extinction Ratio and Small Coupling Length. Japanese Journal of Applied Physics, 2005, 44, 2575-2578.	1.5	13
26	Novel Ring Waveguide Device in a 2D Photonic Crystal Slab â€“Transmittance Simulated by Finit-Difference Time-Domain Analysisâ€“. Japanese Journal of Applied Physics, 2004, 43, 1995-2001.	1.5	8
27	Numerical Analysis of Waveguides in Three-Dimensional Photonic Crystal with Finite Thickness. Japanese Journal of Applied Physics, 2004, 43, 2015-2018.	1.5	5
28	Simulation of group-velocity-dependent phase shift induced by refractive-index change in an air-bridge-type AlGaAs two-dimensional photonic crystal slab waveguide. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1833.	2.1	8
29	Accurate identification of the band gap of photonic crystals from transmission spectra. Journal of Applied Physics, 2002, 92, 2256-2259.	2.5	5
30	Ultra-short pulse propagation in 3D GaAs photonic crystals. Optical and Quantum Electronics, 2002, 34, 37-43.	3.3	9
31	IIIâ€“V based-semiconductor photonic crystals. Optical and Quantum Electronics, 2002, 34, 723-736.	3.3	5
32	Fabrication of Three-Dimensional Photonic Crystal by Wafer Fusion Approach. Materials Research Society Symposia Proceedings, 2001, 681, 1.	0.1	0
33	<title>Photonic crystal preparation by a wafer bonding approach</title>. , 2001, , .		0
34	Semiconductor Photonic Crystals. , 2001, , 93-103.		2
35	Full Three-Dimensional Photonic Bandgap Crystals at Near-Infrared Wavelengths. Science, 2000, 289, 604-606.	12.6	1,042
36	Ultra-short pulse propagation in 3D GaAs Photonic Crystal. , 2000, , .		0

#	ARTICLE	IF	CITATIONS
37	Semiconductor photonic crystals and devices at optical wavelengths. , 2000, , .		0
38	Fabrication and Optical Properties of One Period of a Three-Dimensional Photonic Crystal Operating in the 5-10 μm Wavelength Region. Japanese Journal of Applied Physics, 1999, 38, 1282-1285.	1.5	12
39	Optical properties of three-dimensional photonic crystals based on III-V semiconductors at infrared to near-infrared wavelengths. Applied Physics Letters, 1999, 75, 905-907.	3.3	120
40	Alignment and stacking of semiconductor photonic bandgaps by wafer-fusion. Journal of Lightwave Technology, 1999, 17, 1948-1955.	4.6	85
41	100-nm-Scale Alignment using Laser Beam Diffraction Pattern Observation Techniques and Wafer Fusion for Realizing Three-Dimensional Photonic Crystal Structure. Japanese Journal of Applied Physics, 1998, 37, 3334-3338.	1.5	34
42	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. Japanese Journal of Applied Physics, 1998, 37, L1052-L1054.	1.5	72
43	New Realization Method for Three-Dimensional Photonic Crystal in the Optical Wavelength Region: Experimental Consideration. Japanese Journal of Applied Physics, 1997, 36, 1907-1911.	1.5	35
44	New Realization Method for Three-Dimensional Photonic Crystal in Optical Wavelength Region. Japanese Journal of Applied Physics, 1996, 35, L909-L912.	1.5	141
45	Development of a period of three-dimensional photonic crystal operating at optical wavelength region. , 0, , .		2
46	Semiconductor three-dimensional photonic crystals operating at infrared wavelength region. , 0, , .		0
47	Semiconductor three-dimensional photonic crystals operating at infrared wavelength region. , 0, , .		0
48	Three-dimensional photonic crystals based on III-V semiconductor at 1-2 μm wavelengths. , 0, , .		0
49	Ultra-short pulse propagation in 3D GaAs photonic crystal. , 0, , .		1
50	Photonic crystal directional coupler switch. , 0, , .		0