Vien Van

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9469039/publications.pdf

Version: 2024-02-01

45	583	933264	642610
papers	citations	10	23
		h-index	g-index

45	45	45	624
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Controlling evanescent waves using silicon photonic all-dielectric metamaterials for dense integration. Nature Communications, 2018, 9, 1893.	5.8	140
2	Extreme Miniaturization of Silicon Addâ€“Drop Microring Filters for VLSI Photonics Applications. IEEE Photonics Journal, 2010, 2, 436-444.	1.0	66
3	Realization of Anomalous Floquet Insulators in Strongly Coupled Nanophotonic Lattices. Physical Review Letters, 2020, 124, 253601.	2.9	48
4	Synthesis of Elliptic Optical Filters Using Mutually Coupled Microring Resonators. Journal of Lightwave Technology, 2007, 25, 584-590.	2.7	41
5	Optical Microring Resonators. , 0, , .		39
6	Monolithic integration of plasmonic waveguides into a complimentary metal-oxide-semiconductor- and photonic-compatible platform. Applied Physics Letters, 2010, 96, .	1.5	36
7	Wideband Y-splitter and aperture-assisted coupler based on sub-diffraction confined plasmonic slot waveguides. Applied Physics Letters, 2010, 96, 131106.	1.5	30
8	Polymer Hybrid Plasmonic Waveguides and Microring Resonators. IEEE Photonics Technology Letters, 2011, 23, 1267-1269.	1.3	27
9	Dual-Mode Microring Reflection Filters. Journal of Lightwave Technology, 2007, 25, 3142-3150.	2.7	21
10	Topological phases and the bulk-edge correspondence in 2D photonic microring resonator lattices. Optics Express, 2018, 26, 14567.	1.7	21
11	Silicon Photonic Vernier Cascaded Microring Filter for Broadband Tunability. IEEE Photonics Technology Letters, 2019, 31, 1503-1506.	1.3	16
12	Exact Realization of Optical Transfer Functions With Symmetric Transmission Zeros Using the Double-Microring Ladder Architecture. Journal of Lightwave Technology, 2008, 26, 2323-2331.	2.7	10
13	Group Delay Enhancement in Circular Arrays of Microring Resonators. IEEE Photonics Technology Letters, 2008, 20, 997-999.	1.3	9
14	Postfabrication Phase Error Correction of Silicon Photonic Circuits by Single Femtosecond Laser Pulses. Journal of Lightwave Technology, 2017, 35, 588-595.	2.7	9
15	Ultrawide-band silicon microring avalanche photodiode with linear photocurrent-wavelength response. Photonics Research, 2021, 9, 2303.	3.4	9
16	Periodic Microring Lattice as a Bandstop Filter. IEEE Photonics Technology Letters, 2006, 18, 2041-2043.	1.3	8
17	Enhanced Small-Signal Responsivity in Silicon Microring Photodetector Based on Two-Photon Absorption. IEEE Journal of Selected Topics in Quantum Electronics, 2020, 26, 1-8.	1.9	8
18	Trapping light in a Floquet topological photonic insulator by Floquet defect mode resonance. APL Photonics, 2021, 6, .	3.0	8

#	Article	IF	Citations
19	Broadband resonance-enhanced frequency generation by four-wave mixing in a silicon Floquet topological photonic insulator. APL Photonics, 2022, 7, .	3.0	7
20	Permanent Phase Correction in a Polarization Diversity Si PIC by Femtosecond Laser Pulses. IEEE Photonics Technology Letters, 2015, 27, 1880-1883.	1.3	5
21	A Method for Exact Synthesis of $2imes N$ Coupled Microring Resonator Networks. IEEE Photonics Technology Letters, 2011, 23, 1778-1780.	1.3	4
22	A Continuously Tunable Silicon Double-Microring Filter With Precise Temperature Tracking. IEEE Photonics Journal, 2018, 10, 1-10.	1.0	4
23	Canonic Design of Parallel Cascades of Symmetric Two-Port Microring Networks. Journal of Lightwave Technology, 2009, 27, 4870-4877.	2.7	2
24	Microring-assisted coupling between dissimilar waveguides. Tsinghua Science and Technology, 2010, 15, 145-150.	4.1	2
25	Field Coupling Method for the Direct Synthesis of 2-D Microring Resonator Networks. IEEE Journal of Quantum Electronics, 2012, 48, 1314-1321.	1.0	2
26	A General Variable Bandwidth Microring Filter for Lossless Bandwidth Tuning. Journal of Lightwave Technology, 2021, 39, 4745-4751.	2.7	2
27	An Analytical Method for Evaluating the Robustness of Photonic Integrated Circuits. Journal of Lightwave Technology, 2022, 40, 776-784.	2.7	2
28	General Two-Dimensional Coupled-Cavity Microring Filter Architectures. , 2007, , .		1
29	Strongly-coupled microring resonators and the effect of non-adjacent resonator coupling. , 2010, , .		1
30	Permanent tuning of high-Q silicon microring resonators by Fs laser surface modification. , 2013, , .		1
31	Thermal nonlinearity and optical bistability in a graphene-silicon waveguide resonator. , 2013, , .		1
32	Silicon photonic microring components for on-chip WDM networks. , 2013, , .		1
33	Edge-conformed silicon-graphene waveguides: Fabrication and measurements. , 2014, , .		1
34	Free-Carrier-Induced Nonlinear Relaxation in a Silicon Waveguide. IEEE Photonics Technology Letters, 2017, 29, 1112-1115.	1.3	1
35	Dual-mode microresonators for high-order spectral filtering. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
36	General two-dimensional coupled-cavity microring filter architectures. , 2007, , .		0

#	Article	IF	Citations
37	Asymmetric optical filters based on asynchronous coupled microring resonators. , 2007, , .		0
38	Resonant Power Coupling in Asynchronous Microring-Assisted Directional Couplers. IEEE Journal of Quantum Electronics, 2010, 46, 1709-1716.	1.0	0
39	Nonlinear MIM nanoplasmonic waveguide based on electron tunneling for ultrafast optical pulse rectification. , 2012, , .		0
40	Compact silicon photonic refractometric sensor for atmospheric CO2 gas monitoring. , 2015, , .		0
41	A differential ellipsometric method for accurate chirality measurement. , 2016, , .		0
42	A Continuously Tunable SOI Microring Filter with Temperature Tracking. , 2018, , .		0
43	Bulk Mode Resonances in Floquet Topological Insulators Based on Coupled Microring Resonator Lattices. , 2019, , .		0
44	Sixth-Order 2D Microring Optical Filter with Sharp Transmission Zero. , 2019, , .		0
45	High-Responsivity Silicon Microring Photodetector Based on Two-Photon Absorption. , 2019, , .		0