V Van

List of Publications by Year
in descending order

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35	2,059	516710 16	713466 21
papers	citations	h-index	g-index

35	35	35	1481
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Very High-Order Microring Resonator Filters for WDM Applications. IEEE Photonics Technology Letters, 2004, 16, 2263-2265.	2.5	418
2	Optical sensing of biomolecules using microring resonators. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 148-155.	2.9	330
3	All-optical nonlinear switching in GaAs-AlGaAs microring resonators. IEEE Photonics Technology Letters, 2002, 14, 74-76.	2.5	226
4	Optical signal processing using nonlinear semiconductor microring resonators. IEEE Journal of Selected Topics in Quantum Electronics, 2002, 8, 705-713.	2.9	220
5	Experimental realization of subwavelength plasmonic slot waveguides on a silicon platform. Optics Letters, 2010, 35, 502.	3.3	128
6	Parallel-cascaded semiconductor microring resonators for high-order and wide-FSR filters. Journal of Lightwave Technology, 2002, 20, 900-905.	4.6	127
7	Propagation loss in single-mode GaAs-AlGaAs microring resonators: measurement and model. Journal of Lightwave Technology, 2001, 19, 1734-1739.	4.6	111
8	Vertically coupled GaInAsPâ€“InP microring resonators. Optics Letters, 2001, 26, 506.	3.3	97
9	Photonic logic NOR gate based on two symmetric microring resonators. Optics Letters, 2004, 29, 2779.	3.3	82
10	Aperture-coupled MIM plasmonic ring resonators with sub-diffraction modal volumes. Optics Express, 2009, 17, 12678.	3.4	79
11	All-optical time-division demultiplexing and spatial pulse routing with a GaAs/AlGaAs microring resonator. Optics Letters, 2002, 27, 803.	3.3	48
12	Circuit-based method for synthesizing serially coupled microring filters. Journal of Lightwave Technology, 2006, 24, 2912-2919.	4.6	40
13	Wideband Y-splitter and aperture-assisted coupler based on sub-diffraction confined plasmonic slot waveguides. Applied Physics Letters, 2010, 96, 131106.	3.3	30
14	A hybrid implicit-explicit FDTD scheme for nonlinear optical waveguide modeling. IEEE Transactions on Microwave Theory and Techniques, 1999, 47, 540-545.	4.6	27
15	High-Finesse Laterally Coupled Single-Mode Benzocyclobutene Microring Resonators. IEEE Photonics Technology Letters, 2004, 16, 470-472.	2.5	23
16	Linearized microring-loaded Mach-Zehnder modulator with RF gain. Journal of Lightwave Technology, 2006, 24, 1850-1854.	4.6	20
17	Design and realization of a two-stage microring ladder filter in silicon-on-insulator. Optics Express, 2012, 20, 24708.	3.4	13
18	Group Delay Enhancement in Circular Arrays of Microring Resonators. IEEE Photonics Technology Letters, 2008, 20, 997-999.	2.5	9

#	Article	IF	Citations
19	Periodic Microring Lattice as a Bandstop Filter. IEEE Photonics Technology Letters, 2006, 18, 2041-2043.	2.5	8
20	Micro-ring resonators: the promise of a powerful biochemical sensor platform. , 0, , .		5
21	All-optical time division demultiplexing and pulse routing using semiconductor microring resonators. , 0, , .		3
22	Cascaded integrated photonic AND gates based on GaAs ring resonators. , 2006, , .		3
23	Fast nonlinear all-optical switching in a compact semiconductor microring resonator. , 0, , .		2
24	Micro-ring resonator filters. , 0, , .		2
25	Canonic Design of Parallel Cascades of Symmetric Two-Port Microring Networks. Journal of Lightwave Technology, 2009, 27, 4870-4877.	4.6	2
26	A hybrid implicit-explicit FDTD scheme for solving the scalar wave equation in non-linear optical waveguides. , 0, , .		1
27	Measurement and modeling of propagation loss in semiconductor racetrack microresonators. , 2001, , .		1
28	General Two-Dimensional Coupled-Cavity Microring Filter Architectures. , 2007, , .		1
29	Benzocyclobutene Negative-Gap Micro-Ring Notch Filters. , 2005, , .		1
30	Compact Slow-Wave Structures with Maximally-Flat Group Delays Based on Circular Arrays of Microring Resonators. , 2008, , .		1
31	Transduction of large optomechanical amplitudes with racetrack-loaded Mach-Zehnder interferometers. Optics Express, 2020, 28, 21835.	3.4	1
32	Finite-difference analysis of nonlinear HTS microwave structures using the London equations. , 0, , .		0
33	One-dimensional bandgap structure using periodic polymer microring lattice. , 2006, , .		0
34	Asymmetric optical filters based on asynchronous coupled microring resonators. , 2007, , .		0
35	Polymer Waveguides and Advances in Fabrication Techniques. , 2007, , .		0