

Marcel Hoekman

List of Publications by Year in descending order

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26
papers

1,781
citations

516710

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all docs

26
docs citations

26
times ranked

1500
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated Microwave Photonic Spectral Shaping For Linearization and Spurious-Free Dynamic Range Enhancement. Journal of Lightwave Technology, 2021, 39, 7551-7562.	4.6	7
2	Programmable Integrated Microwave Photonic Filter using a Modulation Transformer and a Double-Injection Ring Resonator. , 2021, , .		3
3	Simultaneous Notch Filtering and Linearization in an Integrated Microwave Photonic Circuit. , 2021, , .		1
4	Reconfigurable Double-Injection Ring Resonator for Integrated Microwave Photonic Signal Processing. , 2021, , .		3
5	Stimulated Brillouin Scattering in Multilayer Silicon Nitride Waveguides. , 2021, , .		0
6	Hybrid Integrated Semiconductor Lasers with Silicon Nitride Feedback Circuits. Photonics, 2020, 7, 4.	2.0	63
7	High-Selectivity On-Chip Optical Bandpass Filter With Sub-100-MHz Flat-Top and Under-2 Shape Factor. IEEE Photonics Technology Letters, 2019, 31, 455-458.	2.5	18
8	Broadband Continuously Tuneable Delay Microwave Photonic Beamformer for Phased Array Antennas. , 2019, , .		1
9	Broadband Continuously Tuneable Delay Microwave Photonic Beamformer for Phased Array Antennas. , 2019, , .		1
10	Low-Loss Si ₃ N ₄ TriPleX Optical Waveguides: Technology and Applications Overview. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-21.	2.9	243
11	Corrections to "Characterization of Hybrid InP-TriPleX Photonic Integrated Tunable Lasers Based on Silicon Nitride (Si ₃ N ₄ /SiO ₂) Microring Resonators for Optical Coherent System" IEEE Photonics Journal, 2018, 10, 1-1.	2.0	3
12	Characterization of Hybrid InP-TriPleX Photonic Integrated Tunable Lasers Based on Silicon Nitride (Si) Tj ETQqO O 0 rgBT /Overlock 10 Tt IEEE Photonics Journal, 2018, 10, 1-8.	2.0	21
13	Two-octave spanning supercontinuum generation in stoichiometric silicon nitride waveguides pumped at telecom wavelengths. Optics Express, 2017, 25, 1542.	3.4	96
14	290 Hz Intrinsic Linewidth from an Integrated Optical Chip-based Widely Tunable InP-Si ₃ N ₄ Hybrid Laser. , 2017, , .		38
15	Optically Integrated InP-Si ₃ N ₄ Hybrid Laser. IEEE Photonics Journal, 2016, 8, 1-11.	2.0	51
16	TriPleX: a versatile dielectric photonic platform. Advanced Optical Technologies, 2015, 4, 189-207.	1.7	184
17	Programmable photonic signal processor chip for radiofrequency applications. Optica, 2015, 2, 854.	9.3	311
18	High confinement, high yield Si ₃ N ₄ waveguides for nonlinear optical applications. Optics Express, 2015, 23, 642.	3.4	66

#	ARTICLE	IF	CITATIONS
19	Stress-optic modulator in TriPleX platform using a piezoelectric lead zirconate titanate (PZT) thin film. Optics Express, 2015, 23, 14018.	3.4	78
20	On-chip visible-to-infrared supercontinuum generation with more than 495 THz spectral bandwidth. Optics Express, 2015, 23, 19596.	3.4	101
21	Fully reconfigurable coupled ring resonator-based bandpass filter for microwave signal processing. , 2014, , .		15
22	Novel low-loss waveguide delay lines using Vernier ring resonators for on-chip multi- microwave photonic signal processors. Laser and Photonics Reviews, 2013, 7, 994-1002.	8.7	33
23	Ring resonator-based on-chip modulation transformer for high-performance phase-modulated microwave photonic links. Optics Express, 2013, 21, 25999.	3.4	74
24	Si ₃ N ₄ ring resonator-based microwave photonic notch filter with an ultrahigh peak rejection. Optics Express, 2013, 21, 23286.	3.4	105
25	On-chip CMOS compatible reconfigurable optical delay line with separate carrier tuning for microwave photonic signal processing. Optics Express, 2011, 19, 21475.	3.4	175
26	A photonic chip based frequency discriminator for a high performance microwave photonic link. Optics Express, 2010, 18, 27359.	3.4	90