

# Marcel Hoekman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3770564/publications.pdf>

Version: 2024-02-01

26  
papers

1,781  
citations

516710

16  
h-index

839539

18  
g-index

26  
all docs

26  
docs citations

26  
times ranked

1500  
citing authors

#	ARTICLE	IF	CITATIONS
1	Programmable photonic signal processor chip for radiofrequency applications. <i>Optica</i> , 2015, 2, 854.	9.3	311
2	Low-Loss Si <sub>3</sub> N <sub>4</sub> TriPleX Optical Waveguides: Technology and Applications Overview. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018, 24, 1-21.	2.9	243
3	TriPleX: a versatile dielectric photonic platform. <i>Advanced Optical Technologies</i> , 2015, 4, 189-207.	1.7	184
4	On-chip CMOS compatible reconfigurable optical delay line with separate carrier tuning for microwave photonic signal processing. <i>Optics Express</i> , 2011, 19, 21475.	3.4	175
5	Si <sub>3</sub> N <sub>4</sub> ring resonator-based microwave photonic notch filter with an ultrahigh peak rejection. <i>Optics Express</i> , 2013, 21, 23286.	3.4	105
6	On-chip visible-to-infrared supercontinuum generation with more than 495 THz spectral bandwidth. <i>Optics Express</i> , 2015, 23, 19596.	3.4	101
7	Two-octave spanning supercontinuum generation in stoichiometric silicon nitride waveguides pumped at telecom wavelengths. <i>Optics Express</i> , 2017, 25, 1542.	3.4	96
8	A photonic chip based frequency discriminator for a high performance microwave photonic link. <i>Optics Express</i> , 2010, 18, 27359.	3.4	90
9	Stress-optic modulator in TriPleX platform using a piezoelectric lead zirconate titanate (PZT) thin film. <i>Optics Express</i> , 2015, 23, 14018.	3.4	78
10	Ring resonator-based on-chip modulation transformer for high-performance phase-modulated microwave photonic links. <i>Optics Express</i> , 2013, 21, 25999.	3.4	74
11	High confinement, high yield Si <sub>3</sub> N <sub>4</sub> waveguides for nonlinear optical applications. <i>Optics Express</i> , 2015, 23, 642.	3.4	66
12	Hybrid Integrated Semiconductor Lasers with Silicon Nitride Feedback Circuits. <i>Photonics</i> , 2020, 7, 4.	2.0	63
13	Optically Integrated InP-Si <sub>3</sub> N <sub>4</sub> Hybrid Laser. <i>IEEE Photonics Journal</i> , 2016, 8, 1-11.	2.0	51
14	290 Hz Intrinsic Linewidth from an Integrated Optical Chip-based Widely Tunable InP-Si <sub>3</sub> N <sub>4</sub> Hybrid Laser. , 2017, , .		38
15	Novel low-loss waveguide delay lines using Vernier ring resonators for on-chip multi-µm microwave photonic signal processors. <i>Laser and Photonics Reviews</i> , 2013, 7, 994-1002.	8.7	33
16	Characterization of Hybrid InP-TriPleX Photonic Integrated Tunable Lasers Based on Silicon Nitride (Si) Tj ETQq0 0 0 rgBT /Overlock 10 Tf <i>IEEE Photonics Journal</i> , 2018, 10, 1-8.	2.0	21
17	High-Selectivity On-Chip Optical Bandpass Filter With Sub-100-MHz Flat-Top and Under-2 Shape Factor. <i>IEEE Photonics Technology Letters</i> , 2019, 31, 455-458.	2.5	18
18	Fully reconfigurable coupled ring resonator-based bandpass filter for microwave signal processing. , 2014, , .		15

#	ARTICLE	IF	CITATIONS
19	Integrated Microwave Photonic Spectral Shaping For Linearization and Spurious-Free Dynamic Range Enhancement. Journal of Lightwave Technology, 2021, 39, 7551-7562.	4.6	7
20	Corrections to "Characterization of Hybrid InP-TriPleX Photonic Integrated Tunable Lasers Based on Silicon Nitride (Si <sub>3</sub> N <sub>4</sub> /SiO <sub>2</sub> ) Microring Resonators for Optical Coherent System" IEEE Photonics Journal, 2018, 10, 1-1.	2.0	3
21	Programmable Integrated Microwave Photonic Filter using a Modulation Transformer and a Double-Injection Ring Resonator. , 2021, , .		3
22	Reconfigurable Double-Injection Ring Resonator for Integrated Microwave Photonic Signal Processing. , 2021, , .		3
23	Broadband Continuously Tuneable Delay Microwave Photonic Beamformer for Phased Array Antennas. , 2019, , .		1
24	Broadband Continuously Tuneable Delay Microwave Photonic Beamformer for Phased Array Antennas. , 2019, , .		1
25	Simultaneous Notch Filtering and Linearization in an Integrated Microwave Photonic Circuit. , 2021, , .		1
26	Stimulated Brillouin Scattering in Multilayer Silicon Nitride Waveguides. , 2021, , .		0