

# Marc Jankowski

## List of Publications by Year in descending order

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35  
papers

990  
citations

840776

11  
h-index

996975

15  
g-index

36  
all docs

36  
docs citations

36  
times ranked

1010  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrahigh-efficiency wavelength conversion in nanophotonic periodically poled lithium niobate waveguides. <i>Optica</i> , 2018, 5, 1438.	9.3	392
2	Ultrabroadband nonlinear optics in nanophotonic periodically poled lithium niobate waveguides. <i>Optica</i> , 2020, 7, 40.	9.3	172
3	Room Temperature Ultralow Threshold GaN Nanowire Polariton Laser. <i>Physical Review Letters</i> , 2011, 107, 066405.	7.8	161
4	Temporal Simultons in Optical Parametric Oscillators. <i>Physical Review Letters</i> , 2018, 120, 053904.	7.8	51
5	Mid-infrared nonlinear optics in thin-film lithium niobate on sapphire. <i>Optica</i> , 2021, 8, 921.	9.3	36
6	Cascaded half-harmonic generation of femtosecond frequency combs in the mid-infrared. <i>Optica</i> , 2016, 3, 324.	9.3	32
7	Reduced material loss in thin-film lithium niobate waveguides. <i>APL Photonics</i> , 2022, 7, .	5.7	32
8	Reduced models and design principles for half-harmonic generation in synchronously pumped optical parametric oscillators. <i>Physical Review A</i> , 2016, 94, .	2.5	30
9	Quasi-static optical parametric amplification. <i>Optica</i> , 2022, 9, 273.	9.3	25
10	Dispersion-engineered $\chi^{(2)}$ nanophotonics: a flexible tool for nonclassical light. <i>JPhys Photonics</i> , 2021, 3, 042005.	4.6	18
11	Numerical simulation and validation of subsurface modification and crack formation induced by nanosecond-pulsed laser processing in monocrystalline silicon. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	14
12	Dynamic polariton condensation in a single GaN nanowire-dielectric microcavity. <i>Physical Review B</i> , 2012, 85, .	3.2	11
13	Onset of non-Gaussian quantum physics in pulsed squeezing with mesoscopic fields. <i>Optica</i> , 2022, 9, 379.	9.3	5
14	Effect of magnetic field on polariton emission characteristics of a quantum-well microcavity diode. <i>Applied Physics Letters</i> , 2012, 100, 171106.	3.3	4
15	Mid-infrared nonlinear optics in thin-film lithium niobate on sapphire. , 2021, , .		1
16	Ultrabroadband Nonlinear Optics in Dispersion Engineered Periodically Poled Lithium Niobate Waveguides. , 2019, , .		1
17	Mid-infrared nonlinear optics in thin-film lithium niobate on sapphire. , 2021, , .		1
18	Supercontinuum Generation by Saturated $\chi^{(2)}$ Interactions. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	Quasi-static Optical Parametric Amplification. , 2021, , .		1
20	Room temperature polariton lasing from a single GaN nanowire microcavity. , 2011, , .		0
21	InGaN nanowires on silicon: Material characteristics and device applications. , 2011, , .		0
22	Efficient cascaded half-harmonic generation of mid-IR frequency combs (Conference Presentation). , 2017, , .		0
23	Optical Parametric Oscillator in Thin-Film Lithium Niobate with a 130 $\hat{\mu}$ W Threshold. , 2021, , .		0
24	Fully-Resonant Second Harmonic Generation in Periodically Poled Thin-Film Lithium Niobate. , 2021, , .		0
25	Efficient Ultra-broadband Optical Parametric Generation with Picojoule Pulse Energies. , 2021, , .		0
26	Fano discrete-continuum interactions in broadband parametric downconversion. , 2021, , .		0
27	Reduced Models for Pulse Shaping and Nonlinear Dynamics in Optical Parametric Oscillators. , 2016, , .		0
28	19-nJ Five-Cycle Pulses from a 2- $\hat{1}$ / <sub>4</sub> m Degenerate Optical Parametric Oscillator. , 2016, , .		0
29	Simulton Formation in Mid-Infrared Femtosecond Optical Parametric Oscillators. , 2017, , .		0
30	Femtosecond Temporal Simulton Formation in Optical Parametric Oscillators. , 2017, , .		0
31	Ultrabroadband Nonlinear Optics in Dispersion Engineered Periodically Poled Lithium Niobate Waveguides. , 2019, , .		0
32	Low-loss Integrated Lithium Niobate Photonics for Quantum Light Generation. , 2019, , .		0
33	Ultrabroadband Nonlinear Optics in Nanophotonic Lithium Niobate Waveguides. , 2020, , .		0
34	10.1063/1.5130701.1. , 2020, , .		0
35	Ultra-broadband Nonlinear Optics at Telecom Wavelengths in PPLN Nanowaveguides. , 2021, , .		0