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List of Publications by Year
in descending order

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25 papers	177 citations	1040056 9 h-index	1125743 13 g-index
25 all docs	25 docs citations	25 times ranked	156 citing authors

#	Article	IF	Citations
1	Generation of broadband terahertz pulses via optical rectification in a chalcopyrite CdSiP_2 crystal. Optics Letters, 2017, 42, 3920.	3.3	22
2	Investigation of ultra-broadband terahertz generation from sub-wavelength lithium niobate waveguides excited by few-cycle femtosecond laser pulses. Optics Express, 2017, 25, 20573.	3.4	21
3	Second harmonic generation in metal-LiNbO₃-metal and LiNbO₃ hybrid-plasmonic waveguides. Optics Express, 2018, 26, 26283.	3.4	14
4	Nanoscale All-Solid-State Plasmochromic Waveguide Nonresonant Modulator. Nano Letters, 2021, 21, 1955-1961.	9.1	14
5	Optical rectification in a chalcopyrite AgGaSe₂ crystal for broadband terahertz radiation generation. Optics Letters, 2019, 44, 2867.	3.3	14
6	Terahertz birefringence and absorption of a chalcopyrite CdSiP2 crystal. Applied Physics Letters, 2017, 111, .	3.3	12
7	Generation of narrowband terahertz radiation via phonon mode enhanced nonlinearities in a BaGa₄Se₇ crystal. Optics Letters, 2020, 45, 4722.	3.3	11
8	Enhanced broadband terahertz radiation generation near the reststrahlen band in sub-wavelength leaky-mode LiNbO3 waveguides. Optics Letters, 2018, 43, 1694.	3.3	10
9	A modeling of dispersive tensorial second-order nonlinear effects for the finite-difference time-domain method. Optics Express, 2019, 27, 23432.	3.4	10
10	Second Harmonic Generation in CdSiP2 Nanowires in the Optical Frequency Regime. IEEE Photonics Technology Letters, 2018, 30, 1408-1411.	2.5	8
11	An Extensive Finite-Difference Time-Domain Formalism for Second-Order Nonlinearities Based on the Faust-Henry Dispersion Model: Application to Terahertz Generation. Journal of Infrared, Millimeter, and Terahertz Waves, 2020, 41, 291-298.	2.2	7
12	Terahertz Properties of Cellulose Nanocrystals and Films. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 281-288.	2.2	6
13	Enhanced directive terahertz radiation emission from a horn antenna-coupled W/Fe/Pt spintronic film stack. Applied Physics Letters, 2021, 119, 092402.	3.3	6
14	Backward terahertz difference frequency generation via modal phase-matching in a planar LiNbO₃ waveguide. Optics Letters, 2020, 45, 3657.	3.3	6
15	Generation of midinfrared and visible radiation in a multiband phase-matched subwavelength LiNbO3 slab waveguide. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 1695.	2.1	5
16	Excitation Mode-Dependent Terahertz Radiation Generation From a Subwavelength Siâ€“SiO2â€“LiNbO3â€“polymerâ€“Si planar Waveguide. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 462-465.	3.1	3
17	Analysis of Electric Field Propagation in Anisotropically Absorbing and Reflecting Waveplates. Journal of Infrared, Millimeter, and Terahertz Waves, 2018, 39, 313-325.	2.2	2
18	A Multi-Band Photonic Source by Means of Phase-Matched Nonlinear Generation Processes. IEEE Photonics Technology Letters, 2021, 33, 366-369.	2.5	2

#	Article	IF	Citations
19	Theoretical formalism for off-normal angular coupling into selective and parity-dependent modes in a planar waveguide. Optics Letters, 2020, 45, 948.	3.3	2
20	Off-Normal Incidence Coupling for Perfectly Phase-Matched Second Harmonic Generation in a Sub-Micron LiNbO3 Planar Waveguide. Journal of Lightwave Technology, 2020, 38, 3959-3964.	4.6	1
21	Extracting the Complex Refractive Index of an Ultrathin Layer at Terahertz Frequencies With no Prior Knowledge of Substrate Absorption Loss. IEEE Transactions on Terahertz Science and Technology, 2022, 12, 385-391.	3.1	1
22	Analytical Proof That There is no Effect of Confinement or Curvature on the Maxwellâ€“Boltzmann Collision Frequency. Journal of Statistical Physics, 2014, 156, 668-685.	1.2	0
23	Cherenkov Generation of Wideband Terahertz Radiation using a Sub-Micron LiNbO3 Slab Waveguide. , 2019, , .		0
24	Second Harmonic Generation in a Phase-Matched Sub-Micron SiO2-LiNbO3-Air Slab Waveguide. , 2019, , .		0
25	Phase-matched frequency conversion in waveguides by means of transverse wavevector projections. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1140.	2.1	0