

Brett Carnio

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6903094/publications.pdf>

Version: 2024-02-01

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	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
2	Nanoscale All-Solid-State Plasmochromic Waveguide Nonresonant Modulator. Nano Letters, 2021, 21, 1955-1961.	9.1	14
3	A Multi-Band Photonic Source by Means of Phase-Matched Nonlinear Generation Processes. IEEE Photonics Technology Letters, 2021, 33, 366-369.	2.5	2
4	Excitation Mode-Dependent Terahertz Radiation Generation From a Subwavelength SiO ₂ -LiNbO ₃ -polymer-Si planar Waveguide. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 462-465.	3.1	3
5	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
6	Off-Normal Incidence Coupling for Perfectly Phase-Matched Second Harmonic Generation in a Sub-Micron LiNbO ₃ Planar Waveguide. Journal of Lightwave Technology, 2020, 38, 3959-3964.	4.6	1
7	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
8	Backward terahertz difference frequency generation via modal phase-matching in a planar LiNbO ₃ waveguide. Optics Letters, 2020, 45, 3657.	3.3	6
9	Generation of narrowband terahertz radiation via phonon mode enhanced nonlinearities in a BaGa ₄ Se ₇ crystal. Optics Letters, 2020, 45, 4722.	3.3	11
10	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
11	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
12	Cherenkov Generation of Wideband Terahertz Radiation using a Sub-Micron LiNbO ₃ Slab Waveguide. , 2019, , .		0
13	Second Harmonic Generation in a Phase-Matched Sub-Micron SiO ₂ -LiNbO ₃ -Air Slab Waveguide. , 2019, , .		0
14	Generation of midinfrared and visible radiation in a multiband phase-matched subwavelength LiNbO ₃ slab waveguide. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 1695.	2.1	5
15	A modeling of dispersive tensorial second-order nonlinear effects for the finite-difference time-domain method. Optics Express, 2019, 27, 23432.	3.4	10
16	Optical rectification in a chalcopyrite AgGaSe ₂ crystal for broadband terahertz radiation generation. Optics Letters, 2019, 44, 2867.	3.3	14
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	Second harmonic generation in metal-LiNbO ₃ -metal and LiNbO ₃ -metal hybrid-plasmonic waveguides. Optics Express, 2018, 26, 26283.	3.4	14

#	ARTICLE	IF	CITATIONS
19	Enhanced broadband terahertz radiation generation near the reststrahlen band in sub-wavelength leaky-mode LiNbO ₃ waveguides. <i>Optics Letters</i> , 2018, 43, 1694.	3.3	10
20	Second Harmonic Generation in CdSiP ₂ Nanowires in the Optical Frequency Regime. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 1408-1411.	2.5	8
21	Terahertz birefringence and absorption of a chalcopyrite CdSiP ₂ crystal. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	12
22	Investigation of ultra-broadband terahertz generation from sub-wavelength lithium niobate waveguides excited by few-cycle femtosecond laser pulses. <i>Optics Express</i> , 2017, 25, 20573.	3.4	21
23	Generation of broadband terahertz pulses via optical rectification in a chalcopyrite CdSiP ₂ crystal. <i>Optics Letters</i> , 2017, 42, 3920.	3.3	22
24	Terahertz Properties of Cellulose Nanocrystals and Films. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2016, 37, 281-288.	2.2	6
25	Analytical Proof That There is no Effect of Confinement or Curvature on the Maxwell-Boltzmann Collision Frequency. <i>Journal of Statistical Physics</i> , 2014, 156, 668-685.	1.2	0