

Takashi Notake

List of Publications by Year in descending order

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docs citations

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431
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable terahertz-wave generation from DAST crystal pumped by a monolithic dual-wavelength fiber laser. Optics Express, 2011, 19, 779.	3.4	61
2	Development of an ultra-widely tunable DFG-THz source with switching between organic nonlinear crystals pumped with a dual-wavelength BBO optical parametric oscillator. Optics Express, 2012, 20, 25850.	3.4	35
3	Off-resonance and in-resonance metamaterial design for a high-transmission terahertz-wave quarter-wave plate. Optics Letters, 2018, 43, 2977.	3.3	32
4	Terahertz-wave parametric gain of stimulated polariton scattering. Physical Review A, 2016, 93, .	2.5	29
5	Study of water concentration measurement in thin tissues with terahertz-wave parametric source. Optics Express, 2010, 18, 15504.	3.4	28
6	Thin terahertz-wave phase shifter by flexible film metamaterial with high transmission. Optics Express, 2017, 25, 31186.	3.4	27
7	Achievement of 10 keV Central Electron Temperatures by ECH in LHD.. Journal of Plasma and Fusion Research, 2002, 78, 99-100.	0.4	25
8	Dual-wavelength single-crystal double-pass KTP optical parametric oscillator and its application in terahertz wave generation. Optics Letters, 2010, 35, 1698.	3.3	23
9	Solution growth of high-quality organic N-benzyl-2-methyl-4-nitroaniline crystal for ultra-wideband tunable DFG-THz source. Optical Materials Express, 2012, 2, 119.	3.0	23
10	10 ⁻¹¹ s-level sensing of nanosecond pulse below 10 ¹¹ Hz by frequency upconversion detection via DAST crystal: more than a 4 th bolometer. Optics Letters, 2014, 39, 1294.	3.3	23
11	Diffraction-limited real-time terahertz imaging by optical frequency up-conversion in a DAST crystal. Optics Express, 2015, 23, 7611.	3.4	23
12	Characterization of all second-order nonlinear-optical coefficients of organic N-benzyl-2-methyl-4-nitroaniline crystal. Scientific Reports, 2019, 9, 14853.	3.3	22
13	Real-time terahertz wave imaging by nonlinear optical frequency up-conversion in a 4-dimethylamino-N ⁺ -methyl-4 ⁻ -stilbazolium tosylate crystal. Applied Physics Letters, 2014, 104, 101106.	3.3	12
14	An ultra-broadband frequency-domain terahertz measurement system based on frequency conversion via DAST crystal with an optimized phase-matching condition. Laser Physics Letters, 2014, 11, 085403.	1.4	12
15	Quadratic nonlinear optical properties of the organic N-benzyl-2-methyl-4-nitroaniline (BNA) biaxial crystal. Optics Letters, 2018, 43, 1818.	3.3	11
16	Alignment Method of ECH Transmission Lines Based on the Moment and Phase Retrieval Method Using IR Images. Journal of Plasma and Fusion Research, 2005, 81, 191-196.	0.4	10
17	Pump-beam-induced optical damage depended on repetition frequency and pulse width in 4-dimethylamino-N ⁺ -methyl-4 ⁻ -stilbazolium tosylate crystal. Applied Physics Letters, 2013, 103, 023302.	3.3	8
18	Optical up-conversion-based cross-correlation for characterization of sub-nanosecond terahertz-wave pulses. Optics Express, 2022, 30, 11217.	3.4	7

#	ARTICLE	IF	CITATIONS
19	Tunable terahertz waves from 4-dimethylamino-Nâ€²-methyl-4â€²-stilbazolium tosylate pumped with dual-wavelength injection-seeded optical parametric generation. Applied Physics Express, 2017, 10, 022101.	2.4	6
20	Quasi-Optical Beam Analysis Based on Direct Phase Measurement at Low Power Level. Journal of Plasma and Fusion Research, 2005, 81, 186-190.	0.4	6
21	Development of a Stokes polarimeter system for high terahertz frequency region. Japanese Journal of Applied Physics, 2014, 53, 092601.	1.5	5
22	Bridging a few terahertz to tens of terahertz: Inspection on a cost-effective, room-temperature operated measurement system based on frequency conversion via 4-dimethylamino-Nâ€²-methyl-4â€²-stilbazolium tosylate crystal. Applied Physics Letters, 2014, 104, 031110.	3.3	5
23	Investigations on polarimetric terahertz frequency domain spectroscopy. Applied Physics A: Materials Science and Processing, 2014, 115, 83-86.	2.3	5
24	Expression of various polarization effects by using Spirulina-templated metal $\frac{1}{4}$ coils at the terahertz frequency region. Japanese Journal of Applied Physics, 2019, 58, 032007.	1.5	3
25	Injection-seeded terahertz-wave parametric generator with timing stabilized excitation for nondestructive testing applications. Review of Scientific Instruments, 2021, 92, 093002.	1.3	3
26	Analysis of Radial Electric Field Bifurcation in LHD Based on Neoclassical Transport Theory. Journal of Plasma and Fusion Research, 2003, 79, 816-820.	0.4	2
27	Sensitive water concentration mapping in thin fresh tissues using tunable THz-wave parametric oscillator. , 2011, , .		1
28	Ultra-wideband THz detection by using DAST crystal based on frequency up-conversion technique. , 2012, , .		1
29	Design of a 100 kW-384 GHz second harmonic gyrotron. , 2009, , .		0
30	Flexible metamaterial device for terahertz-wave imaging system. , 2016, , .		0
31	A High Transmission Terahertz-Wave Quarter-Wave Plate by Double-Layer SRRs with Film Metamaterial. , 2018, , .		0
32	Over 200 W Peak-Power Cascaded Backward Terahertz-Wave Parametric Oscillator at 0.3 THz. , 2021, , .		0
33	Biomedical diagnosis in water concentration of thin biotissues using tunable THz-wave parametric oscillator. , 2011, , .		0
34	High-resolution, THz-wave real-time imaging with Si-camera based on nonlinear optical up-conversion. , 2016, , .		0
35	Phase-Matching Conditions and Refined Sellmeier equations up to the near-infrared for THz generation in BNA. , 2018, , .		0