

# Takashi Notake

## List of Publications by Year in descending order

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35  
papers

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citations

759233

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35  
docs citations

35  
times ranked

431  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical up-conversion-based cross-correlation for characterization of sub-nanosecond terahertz-wave pulses. Optics Express, 2022, 30, 11217.	3.4	7
2	Injection-seeded terahertz-wave parametric generator with timing stabilized excitation for nondestructive testing applications. Review of Scientific Instruments, 2021, 92, 093002.	1.3	3
3	Over 200 W Peak-Power Cascaded Backward Terahertz-Wave Parametric Oscillator at 0.3 THz. , 2021, , .		0
4	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
5	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
6	A High Transmission Terahertz-Wave Quarter-Wave Plate by Double-Layer SRRs with Film Metamaterial. , 2018, , .		0
7	Off-resonance and in-resonance metamaterial design for a high-transmission terahertz-wave quarter-wave plate. Optics Letters, 2018, 43, 2977.	3.3	32
8	Quadratic nonlinear optical properties of the organic N-benzyl-2-methyl-4-nitroaniline (BNA) biaxial crystal. Optics Letters, 2018, 43, 1818.	3.3	11
9	Phase-Matching Conditions and Refined Sellmeier equations up to the near-infrared for THz generation in BNA. , 2018, , .		0
10	Tunable terahertz waves from 4-dimethylamino-N $\epsilon$ <sup>2</sup> -methyl-4 $\alpha$ <sup>2</sup> -stibazolium tosylate pumped with dual-wavelength injection-seeded optical parametric generation. Applied Physics Express, 2017, 10, 022101.	2.4	6
11	Thin terahertz-wave phase shifter by flexible film metamaterial with high transmission. Optics Express, 2017, 25, 31186.	3.4	27
12	Flexible metamaterial device for terahertz-wave imaging system. , 2016, , .		0
13	Terahertz-wave parametric gain of stimulated polariton scattering. Physical Review A, 2016, 93, .	2.5	29
14	High-resolution, THz-wave real-time imaging with Si-camera based on nonlinear optical up-conversion. , 2016, , .		0
15	Diffraction-limited real-time terahertz imaging by optical frequency up-conversion in a DAST crystal. Optics Express, 2015, 23, 7611.	3.4	23
16	10 $\text{\AA}$ -level sensing of nanosecond pulse below 10 $\text{\AA}$ THz by frequency upconversion detection via DAST crystal: more than a 4 $\text{\AA}$ K bolometer. Optics Letters, 2014, 39, 1294.	3.3	23
17	Real-time terahertz wave imaging by nonlinear optical frequency up-conversion in a 4-dimethylamino-N $\epsilon$ <sup>2</sup> -methyl-4 $\alpha$ <sup>2</sup> -stilbazolium tosylate crystal. Applied Physics Letters, 2014, 104, 101106.	3.3	12
18	Development of a Stokes polarimeter system for high terahertz frequency region. Japanese Journal of Applied Physics, 2014, 53, 092601.	1.5	5

#	ARTICLE	IF	CITATIONS
19	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-N-4-stilbazolium tosylate crystal. Applied Physics Letters, 2014, 104, 031110.	3.3	5
20	Investigations on polarimetric terahertz frequency domain spectroscopy. Applied Physics A: Materials Science and Processing, 2014, 115, 83-86.	2.3	5
21	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
22	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
23	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
24	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
25	Ultra-wideband THz detection by using DAST crystal based on frequency up-conversion technique. , 2012, , .		1
26	Tunable terahertz-wave generation from DAST crystal pumped by a monolithic dual-wavelength fiber laser. Optics Express, 2011, 19, 779.	3.4	61
27	Sensitive water concentration mapping in thin fresh tissues using tunable THz-wave parametric oscillator. , 2011, , .		1
28	Biomedical diagnosis in water concentration of thin biotissues using tunable THz-wave parametric oscillator. , 2011, , .		0
29	Study of water concentration measurement in thin tissues with terahertz-wave parametric source. Optics Express, 2010, 18, 15504.	3.4	28
30	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
31	Design of a 100 kW-384 GHz second harmonic gyrotron. , 2009, , .		0
32	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
33	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
34	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
35	Achievement of 10 keV Central Electron Temperatures by ECH in LHD.. Journal of Plasma and Fusion Research, 2002, 78, 99-100.	0.4	25