

Yuma Takida

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

529
citations

566801

15
h-index

676716

22
g-index

34
all docs

34
docs citations

34
times ranked

354
citing authors

#	ARTICLE	IF	CITATIONS
1	Actively tunable THz filter based on an electromagnetically induced transparency analog hybridized with a MEMS metamaterial. Scientific Reports, 2020, 10, 20807.	1.6	42
2	Security screening system based on terahertz-wave spectroscopic gas detection. Optics Express, 2021, 29, 2529.	1.7	33
3	Off-resonance and in-resonance metamaterial design for a high-transmission terahertz-wave quarter-wave plate. Optics Letters, 2018, 43, 2977.	1.7	32
4	Terahertz-wave parametric gain of stimulated polariton scattering. Physical Review A, 2016, 93, .	1.0	29
5	Tunable Backward Terahertz-wave Parametric Oscillation. Scientific Reports, 2019, 9, 726.	1.6	29
6	Thin terahertz-wave phase shifter by flexible film metamaterial with high transmission. Optics Express, 2017, 25, 31186.	1.7	27
7	High-Brightness Continuously Tunable Narrowband Subterahertz Wave Generation. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 858-861.	2.0	25
8	Effective Terahertz Wave Parametric Generation Depending on the Pump Pulse Width Using a LiNbO ₃ Crystal. IEEE Transactions on Terahertz Science and Technology, 2017, 7, 617-620.	2.0	24
9	High-average and high-peak output-power terahertz-wave generation by optical parametric down-conversion in MgO:LiNbO ₃ . Applied Physics Letters, 2018, 113, .	1.5	24
10	10 ⁻⁶ -level sensing of nanosecond pulse below 10 ¹² Hz by frequency upconversion detection via DAST crystal: more than a 4 th bolometer. Optics Letters, 2014, 39, 1294.	1.7	23
11	Diffraction-limited real-time terahertz imaging by optical frequency up-conversion in a DAST crystal. Optics Express, 2015, 23, 7611.	1.7	23
12	Nonlinear optical detection of terahertz-wave radiation from resonant tunneling diodes. Optics Express, 2017, 25, 5389.	1.7	23
13	Sensitive terahertz-wave detector responses originated by negative differential conductance of resonant-tunneling-diode oscillator. Applied Physics Letters, 2020, 117, .	1.5	23
14	Effective terahertz-to-near-infrared photon conversion in slant-stripe-type periodically poled LiNbO ₃ . Applied Physics Letters, 2014, 104, .	1.5	22
15	Fabrication of Metamaterial Absorbers in THz Region and Evaluation of the Absorption Characteristics. Electronics and Communications in Japan, 2017, 100, 15-24.	0.3	16
16	Injection-seeded backward terahertz-wave parametric oscillator. APL Photonics, 2020, 5, .	3.0	16
17	Noncascading THz-wave parametric oscillator synchronously pumped by mode-locked picosecond Ti:sapphire laser in doubly-resonant external cavity. Optics Communications, 2011, 284, 4663-4666.	1.0	14
18	Real-time terahertz wave imaging by nonlinear optical frequency up-conversion in a 4-dimethylamino- ϵ -methyl-4-stilbazolium tosylate crystal. Applied Physics Letters, 2014, 104, 101106.	1.5	12

#	ARTICLE	IF	CITATIONS
19	An ultra-broadband frequency-domain terahertz measurement system based on frequency conversion via DAST crystal with an optimized phase-matching condition. <i>Laser Physics Letters</i> , 2014, 11, 085403.	0.6	12
20	Tunable Picosecond Terahertz-Wave Parametric Oscillators Based on Noncollinear Pump-Enhanced Signal-Resonant Cavity. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013, 19, 8500307-8500307.	1.9	11
21	Growth of N-benzyl-2-methyl-4-nitroaniline (BNA) single crystal fibers by micro-pulling down method. <i>Journal of Crystal Growth</i> , 2016, 452, 162-165.	0.7	8
22	Terahertz differential absorption spectroscopy using multifurcated subnanosecond microchip laser. <i>Applied Physics Letters</i> , 2019, 115, 121102.	1.5	8
23	Terahertz-wave differential detection based on simultaneous dual-wavelength up-conversion. <i>AIP Advances</i> , 2017, 7, 035020.	0.6	7
24	Optical up-conversion-based cross-correlation for characterization of sub-nanosecond terahertz-wave pulses. <i>Optics Express</i> , 2022, 30, 11217.	1.7	7
25	Tunable terahertz waves from 4-dimethylamino-N α -methyl-4 π -stibazolium tosylate pumped with dual-wavelength injection-seeded optical parametric generation. <i>Applied Physics Express</i> , 2017, 10, 022101.	1.1	6
26	Improvement in THz light extraction efficiencies with antireflection subwavelength gratings on a silicon prism. <i>Japanese Journal of Applied Physics</i> , 2021, 60, SCCL04.	0.8	6
27	Frequency-agile injection-seeded terahertz-wave parametric generation. <i>Optics Letters</i> , 2020, 45, 77.	1.7	6
28	Incident-Angle-Dependent Extraordinary Transmission of the Terahertz Bull π -Eye Structure. <i>Physical Review Applied</i> , 2022, 17, .	1.5	6
29	Wideband terahertz imaging pixel with a small on-chip antenna in 180 nm CMOS. <i>Japanese Journal of Applied Physics</i> , 2019, 58, SBBL06.	0.8	4
30	High-Efficiency Second Harmonic Generation of Mode-Locked Picosecond Ti:sapphire Laser Using BiB ₃ O ₆ Crystal with External Enhancement Cavity. <i>Journal of Laser Micro Nanoengineering</i> , 2011, 6, 231-234.	0.4	4
31	Injection-seeded terahertz-wave parametric generator with timing stabilized excitation for nondestructive testing applications. <i>Review of Scientific Instruments</i> , 2021, 92, 093002.	0.6	3
32	Terahertz Fresnel-zone-plate thin-film lens based on a high-transmittance double-layer metamaterial phase shifter. <i>Optics Express</i> , 2022, 30, 18730.	1.7	2
33	Coherent time-domain detection of terahertz pulses generated from noncollinear phase-matched, picosecond terahertz parametric oscillator. <i>Applied Physics Express</i> , 2014, 7, 022701.	1.1	1
34	Frequency-agile injection-seeded terahertz-wave parametric generation: publisher's note. <i>Optics Letters</i> , 2020, 45, 627.	1.7	1