

# Koji Suizu

## List of Publications by Year in descending order

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58  
papers

1,120  
citations

471509

17  
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395702

33  
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all docs

58  
docs citations

58  
times ranked

883  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-resolution time-of-flight terahertz tomography using a femtosecond fiber laser. Optics Express, 2009, 17, 7533.	3.4	133
2	Random Frequency Accessible Broad Tunable Terahertz-Wave Source Using Phase-Matched 4-Dimethylamino-N-methyl-4-stilbazolium Tosylate Crystal. Japanese Journal of Applied Physics, 2007, 46, 7321.	1.5	106
3	High-power terahertz-wave generation using DAST crystal and detection using mid-infrared powermeter. Optics Letters, 2007, 32, 2885.	3.3	85
4	Extremely frequency-widened terahertz wave generation using Cherenkov-type radiation. Optics Express, 2009, 17, 6676.	3.4	85
5	Broadband-Frequency-Tunable Sub-Terahertz Wave Generation Using an Optical Comb, AWGs, Optical Switches, and a Uni-Travelling Carrier Photodiode for Spectroscopic Applications. Journal of Lightwave Technology, 2008, 26, 2521-2530.	4.6	82
6	THz imaging techniques for nondestructive inspections. Comptes Rendus Physique, 2010, 11, 510-518.	0.9	82
7	Generation and detection of broadband coherent terahertz radiation using 17-fs ultrashort pulse fiber laser. Optics Express, 2008, 16, 12859.	3.4	51
8	Cherenkov phase-matched monochromatic THzwave generation using difference frequency generation with a lithium niobate crystal. Optics Express, 2008, 16, 7493.	3.4	46
9	Highly intense monocycle terahertz vortex generation by utilizing a Tsurupica spiral phase plate. Scientific Reports, 2016, 6, 38880.	3.3	33
10	Entangled photon generation in two-period quasi-phase-matched parametric down-conversion. Optics Express, 2012, 20, 5508.	3.4	30
11	Terahertz-wave generation in a conventional optical fiber. Optics Letters, 2007, 32, 2990.	3.3	29
12	Terahertz Sensing of Thin Poly(ethylene Terephthalate) Film Thickness Using a Metallic Mesh. Applied Physics Express, 2009, 2, 012301.	2.4	28
13	Prism-coupled Cherenkov phase-matched terahertz wave generation using a DAST crystal. Optics Express, 2010, 18, 3338.	3.4	27
14	Widely tunable broadband terahertz radiation generation using a configurationally locked polyene 2-[3-(4-hydroxystyryl)-5,5-dimethylcyclohex-2-enylidene] malononitrile crystal via difference frequency generation. Applied Physics B: Lasers and Optics, 2013, 111, 489-493.	2.2	27
15	Efficient Cherenkov-Type Phase-Matched Widely Tunable Terahertz-Wave Generation via an Optimized Pump Beam Shape. Applied Physics Express, 2009, 2, 032302.	2.4	25
16	Monochromatic-Tunable Terahertz-Wave Sources Based on Nonlinear Frequency Conversion Using Lithium Niobate Crystal. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 295-306.	2.9	22
17	Widely Tunable Monochromatic Cherenkov Phase-Matched Terahertz Wave Generation from Bulk Lithium Niobate. Applied Physics Express, 2010, 3, 082201.	2.4	18
18	Cherenkov phase matched THz-wave generation with surfing configuration for bulk Lithium Nobate crystal. Optics Express, 2009, 17, 7102.	3.4	17

#	ARTICLE	IF	CITATIONS
19	Non-destructive Characterization of Soot in Exhaust Filters Using Millimeter-wave Imaging. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 716-721.	2.2	14
20	Pulsed High Peak Power Millimeter Wave Generation via Difference Frequency Generation Using Periodically Poled Lithium Niobate. Japanese Journal of Applied Physics, 2007, 46, L982-L984.	1.5	13
21	Broadband terahertz light source pumped by a 1 $\hat{A}$ ¼m picosecond laser. Applied Physics B: Lasers and Optics, 2013, 110, 321-326.	2.2	13
22	Terahertz wave generation using type II phase matching polarization combination via difference frequency generation with LiNbO <sub>3</sub> . Japanese Journal of Applied Physics, 2015, 54, 062202.	1.5	13
23	Surface-Emitted Terahertz-Wave Difference-Frequency Generation in Periodically Poled Lithium Niobate Ridge-Type Waveguide. Japanese Journal of Applied Physics, 2006, 45, L367-L369.	1.5	12
24	Half Cycle Terahertz Pulse Generation by Prism-Coupled Cherenkov Phase-Matching Method. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 1168-1177.	2.2	12
25	Terahertz Pulse Reflection Imaging Using the Time-Domain Correlating Synthesis Method. IEEE Transactions on Terahertz Science and Technology, 2017, 7, 385-392.	3.1	10
26	Terahertz-Wave Generation Using a 4-Dimethylamino-N-methyl-4-stilbazolium tosylate Crystal Under Intra-Cavity Conditions. Applied Physics Express, 2008, 1, 042002.	2.4	9
27	800-nm Band Cross-Polarized Photon Pair Source Using Type-II Parametric Down-Conversion in Periodically Poled Lithium Niobate. Japanese Journal of Applied Physics, 2007, 46, L1064-L1067.	1.5	8
28	Improving the Laser-Induced-Damage Tolerance Characteristics of 4-Dimethylamino-N-methyl-4-stilbazoliumtosylate Crystals for THz Wave Generation by Annealing. Japanese Journal of Applied Physics, 2012, 51, 022601.	1.5	8
29	Terahertz Beam Steering via Tilted-Phase Difference-Frequency Mixing. Applied Physics Express, 0, 2, 022301.	2.4	7
30	Broadband THz-wave generation by satisfying the noncollinear phase-matching condition with a reflected signal beam. Applied Optics, 2013, 52, 8305.	1.8	7
31	Evaluation of polarized terahertz waves generated by Cherenkov phase matching. Applied Optics, 2014, 53, 1518.	1.8	7
32	Strong Resonance and Terahertz Wave Transmission Enhancement of Low-Porosity Metal Hole Array with Bow-Tie-Shaped Apertures. Applied Physics Express, 2009, 2, 122302.	2.4	6
33	Improving the Laser-Induced-Damage Tolerance Characteristics of 4-Dimethylamino-N-methyl-4-stilbazoliumtosylate Crystals for THz Wave Generation by Annealing. Japanese Journal of Applied Physics, 2012, 51, 022601.	1.5	6
34	Multi-Mode Laser-Pumped Injection-Seeded Terahertz-Wave Parametric Generator. Japanese Journal of Applied Physics, 2010, 49, 102701.	1.5	5
35	Electromagnetic wave absorption properties of carbon nanocoil composites in the millimeter waveband. AIP Conference Proceedings, 2018, , .	0.4	5
36	Measurement of Glass Complex Permittivity at 200-500 GHz for THz Propagation Simulation. , 2021, , .		5

#	ARTICLE	IF	CITATIONS
37	THz-wave sensing via pump and signal wave detection interacted with evanescent THz waves. Optics Letters, 2013, 38, 3687.	3.3	4
38	Terahertz reflection imaging using virtual arrays and MUSIC in a synthetic aperture array. Japanese Journal of Applied Physics, 2021, 60, 072001.	1.5	4
39	Non-resonant frequency components observed in a dynamic Atomic Force Microscope. Nonlinear Theory and Its Applications IEICE, 2017, 8, 118-128.	0.6	4
40	Terahertz imaging for multiple reflectors using time-domain correlating synthesis method. Japanese Journal of Applied Physics, 2018, 57, 122502.	1.5	3
41	Generation of Cross-Polarized Photon Pairs via Type-II Third-Order Quasi-Phase Matched Parametric Down-Conversion. Japanese Journal of Applied Physics, 2009, 48, 050205.	1.5	2
42	Real-time terahertz wave sensing via infrared detection interacted with evanescent terahertz waves. Optical Review, 2015, 22, 166-169.	2.0	2
43	Nondestructive measurement of layer structures in dielectric substrates by collimated terahertz time domain spectroscopy. IEICE Electronics Express, 2018, 15, 20180579-20180579.	0.8	2
44	Development of Gas Sensing Technique Using Narrow-Linewidth Terahertz-Wave Source. IEEE Transactions on Electronics, Information and Systems, 2008, 128, 1714-1720.	0.2	2
45	THz wave imaging through layered dielectric using correlating synthesis method. Japanese Journal of Applied Physics, 2020, 59, 122003.	1.5	2
46	Distance Measurement of a Frequency-Shifted Sub-Terahertz Wave Source. Photonics, 2022, 9, 128.	2.0	2
47	Efficient Up-Conversion Detection of 1550 nm Photons Using Bulk Periodically-Poled LiNbO3. Japanese Journal of Applied Physics, 2010, 49, 040213.	1.5	1
48	Efficient generation and electro-optic sampling detection of THz radiation using Cherenkov phase matching scheme. , 2011, , .		1
49	Characteristics of the Beam-Steerable Difference-Frequency Generation of Terahertz Radiation. Journal of Infrared, Millimeter, and Terahertz Waves, 2011, 32, 603-617.	2.2	1
50	Cherenkov phase-matched terahertz wave generation and its spectroscopic applications. Proceedings of SPIE, 2013, , .	0.8	1
51	Behavior of three waves in Cherenkov phase matched monochromatic terahertz wave generation investigated by numerical analysis. Japanese Journal of Applied Physics, 2014, 53, 092701.	1.5	1
52	Identification of periodic structure target using broadband polarimetry in terahertz radiation. IEICE Communications Express, 2018, 7, 266-271.	0.4	1
53	A Study on THz Reflection Imaging of Two Metal Wires Using Compressed Sensing. , 2021, , .		1
54	Duty Ratio Dependence of Difference Frequency Generation for Millimeter-Wave Terahertz Wave Spectra Using Periodically Poled Lithium Niobate. Applied Physics Express, 0, 2, 072301.	2.4	0

#	ARTICLE	IF	CITATIONS
55	Terahertz generation and sensing/imaging applications. , 2009, , .		0
56	Efficient electro-optic sampling detection and generation of intense THz radiation via Cherenkov-type phase matching in a $\text{LiNbO}_3$ crystal coupled to a Si prism. , 2011, , .		0
57	Real-time THz-wave spectroscopy via infrared lights detection interacted with evanescent THz waves. , 2014, , .		0
58	Novel THz-wave detection technique via interaction between optical pumping waves and THz-wave generated by Cherenkov phase matching. , 2015, , .		0