

Kosuke Murate

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

352
citations

933447

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docs citations

23
times ranked

266
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-destructive drug inspection in covering materials using a terahertz spectral imaging system with injection-seeded terahertz parametric generation and detection. Optics Express, 2016, 24, 6425.	3.4	114
2	Terahertz wave three-dimensional computed tomography based on injection-seeded terahertz wave parametric emitter and detector. Optics Express, 2016, 24, 6433.	3.4	38
3	Highly sensitive multi-stage terahertz parametric detector. Optics Letters, 2020, 45, 3905.	3.3	33
4	A High Dynamic Range and Spectrally Flat Terahertz Spectrometer Based on Optical Parametric Processes in LiNbO ₃ . IEEE Transactions on Terahertz Science and Technology, 2014, 4, 523-526.	3.1	31
5	Terahertz tag identifiable through shielding materials using machine learning. Optics Express, 2020, 28, 3517.	3.4	28
6	Multiwavelength terahertz-wave parametric generator for one-pulse spectroscopy. Applied Physics Express, 2017, 10, 032401.	2.4	27
7	Adaptive spatiotemporal optical pulse front tilt using a digital micromirror device and its terahertz application. Optics Letters, 2018, 43, 2090.	3.3	19
8	Real-time wide dynamic range spectrometer using a rapidly wavelength-switchable terahertz parametric source. Optics Letters, 2021, 46, 2618.	3.3	16
9	Application of Machine Learning to Terahertz Spectroscopic Imaging of Reagents Hidden By Thick Shielding Materials. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 620-625.	3.1	15
10	Six-Billion-Fold Amplification via a Two-Stage Terahertz Parametric Amplifier. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 200-203.	3.1	11
11	Noise-free terahertz-wave parametric generator. Optics Letters, 2022, 47, 1113.	3.3	10
12	High-power ASE-free fast wavelength-switchable external cavity diode laser. Applied Optics, 2021, 60, 1953.	1.8	3
13	Effects of the crystal phase and microstructure of pottery bodies on the transmission characteristics of terahertz waves. Journal of Asian Ceramic Societies, 2021, 9, 443-451.	2.3	3
14	Multi-Wavelength Terahertz Parametric Generator Using a Seed Laser Based on Four-Wave Mixing. Photonics, 2022, 9, 258.	2.0	2
15	Rapid Identification of THz Tags using Multi-wavelength is-TPG based on a Deep Neural Network. , 2021, , .		1
16	Terahertz Spectroscopy Applied to Estimation of Firing Temperatures of Ancient Ceramics. IEEE Transactions on Terahertz Science and Technology, 2022, 12, 300-306.	3.1	1
17	Terahertz wave Parametric Amplifier with an Amplification Factor of Two Billion. , 2018, , .		0
18	Development of multistage terahertz wave parametric detector. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Wide dynamic range imaging system using three-stage terahertz parametric detector. , 2021, , .		0
20	Spectroscopic Imaging Using Terahertz Waves. Journal of the Japan Society of Colour Material, 2015, 88, 428-433.	0.1	0
21	Terahertz parametric generation with pulse train pump beam. , 2020, , .		0
22	Real-time terahertz wave spectrometer using pulse train. , 2020, , .		0
23	Injection-seeded terahertz parametric generator with rapid wavelength tunability using digital micromirror device. , 2020, , .		0