

Yiwen E

List of Publications by Year in descending order

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52
papers

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516215
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52
all docs

52
docs citations

52
times ranked

769
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of broadband terahertz wave generation from liquid water. Applied Physics Letters, 2017, 111, .	1.5	117
2	Terahertz wave generation from liquid water films via laser-induced breakdown. Applied Physics Letters, 2018, 113, .	1.5	54
3	Spatial sampling of terahertz fields with sub-wavelength accuracy via probe-beam encoding. Light: Science and Applications, 2019, 8, 55.	7.7	51
4	Terahertz wave reflection impedance matching properties of graphene layers at oblique incidence. Carbon, 2016, 96, 1129-1137.	5.4	47
5	Dielectric property of MoS ₂ crystal in terahertz and visible regions. Applied Optics, 2015, 54, 6732.	2.1	42
6	Flat liquid jet as a highly efficient source of terahertz radiation. Optics Express, 2019, 27, 15485.	1.7	42
7	Label-free monitoring of interaction between DNA and oxaliplatin in aqueous solution by terahertz spectroscopy. Applied Physics Letters, 2012, 101, .	1.5	39
8	Excitation of ultrasharp trapped-mode resonances in mirror-symmetric metamaterials. Physical Review B, 2016, 93, .	1.1	39
9	Solution-processable reduced graphene oxide films as broadband terahertz wave impedance matching layers. Journal of Materials Chemistry C, 2015, 3, 2548-2556.	2.7	38
10	Terahertz wave emission from a liquid water film under the excitation of asymmetric optical fields. Applied Physics Letters, 2018, 113, .	1.5	35
11	Preference of subpicosecond laser pulses for terahertz wave generation from liquids. Advanced Photonics, 2020, 2, 1.	6.2	24
12	Broadband terahertz wave emission from liquid metal. Applied Physics Letters, 2020, 117, .	1.5	21
13	Enhancement of terahertz emission by a preformed plasma in liquid water. Applied Physics Letters, 2019, 115, .	1.5	19
14	Double-pump technique “one step closer towards efficient liquid-based THz sources. Optics Express, 2019, 27, 32855.	1.7	18
15	Spoof surface plasmon polaritons in terahertz transmission through subwavelength hole arrays analyzed by coupled oscillator model. Scientific Reports, 2015, 5, 16440.	1.6	17
16	Multispectral plasmon-induced transparency in hyperfine terahertz meta-molecules. Journal of Physics Condensed Matter, 2016, 28, 445002.	0.7	17
17	Broadband THz Sources from Gases to Liquids. Ultrafast Science, 2021, 2021, .	5.8	16
18	Giant Asymmetric Transmission and Circular Dichroism with Angular Tunability in Chiral Terahertz Metamaterials. Annalen Der Physik, 2020, 532, 1900398.	0.9	12

#	ARTICLE	IF	CITATIONS
19	Progress, challenges, and opportunities of terahertz emission from liquids. Journal of the Optical Society of America B: Optical Physics, 2022, 39, A43.	0.9	12
20	Angular dependent anisotropic terahertz response of vertically aligned multi-walled carbon nanotube arrays with spatial dispersion. Scientific Reports, 2016, 6, 38515.	1.6	10
21	Flowing cryogenic liquid target for terahertz wave generation. AIP Advances, 2020, 10, .	0.6	9
22	Raman spectra and phonon structures of BaGa4Se7 crystal. Communications Physics, 2020, 3, .	2.0	9
23	Optically Controlled Terahertz Dynamic Beam Splitter with Adjustable Split Ratio. Nanomaterials, 2022, 12, 1169.	1.9	9
24	Propagation of terahertz waves in a monoclinic crystal BaGa4Se7. Scientific Reports, 2018, 8, 16229.	1.6	8
25	Terahertz nonlinear index extraction via full-phase analysis. Optics Letters, 2020, 45, 5628.	1.7	7
26	Terahertz aqueous photonics. Frontiers of Optoelectronics, 2021, 14, 37-63.	1.9	5
27	Angular-dependent circular dichroism of Tai Chi chiral metamaterials in terahertz region. Applied Optics, 2020, 59, 3686.	0.9	5
28	Mechanism and modulation of terahertz generation from a semimetal - graphite. Scientific Reports, 2016, 6, 22798.	1.6	4
29	Large In-Plane Anisotropic Terahertz Emission Induced by Asymmetric Polarization in Low-Symmetric PdSe ₂ . ACS Applied Materials & Interfaces, 2021, 13, 54543-54550.	4.0	4
30	Forward THz Wave Generation from Liquid Gallium in the Non-relativistic Regime. Journal of the Optical Society of America B: Optical Physics, 0, , .	0.9	3
31	Concentration dependence of terahertz generation in jets of water and ethanol mixtures. , 2018, , .		2
32	Observation of broadband terahertz wave generation from liquid water. , 2017, , .		1
33	THz Spectroscopic Decomposition and Analysis in Mixture Inspection Using Soft Modeling Methods. Journal of Infrared, Millimeter, and Terahertz Waves, 2021, 42, 76-92.	1.2	1
34	Polarization sensitive terahertz measurements and applications. Chinese Optics, 2017, 10, 98-113.	0.2	1
35	Investigation of liquid properties on emitting terahertz wave under ultrashort optical excitation. , 2019, , .		1
36	Comparison of various liquids as sources of terahertz radiation from one-color laser filament. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
37	Broadband THz Wave Generation from Flowing Liquid Nitrogen. , 2020, , .		1
38	Mechanism of THz Generation from Graphite. , 2015, , .		0
39	Analysis of fano coupling in terahertz sub-wavelength hole arrays with coupled oscillator model. , 2015, , .		0
40	Investigation of terahertz generation in water jet in dependence on parameters of excitation pulse. , 2018, , .		0
41	Sideway terahertz emission from a flowing water line. , 2021, , .		0
42	Interaction between DNA and Oxaliplatin in Aqueous Solution Studied Using THz-TDS. , 2012, , .		0
43	Anisotropic Terahertz Electromagnetic Responses of Monoclinic Crystals and Coherent Phonon Excitation in BaGa ₄ Se ₇ Crystal. , 2016, , .		0
44	Observation of Broadband Terahertz Wave Generation from Liquid Water. , 2017, , .		0
45	Coherent excitation of phonon polaritons in BaGa ₄ Se ₇ by terahertz pulses. , 2018, , .		0
46	Terahertz Wave Generation from Water. , 2018, , .		0
47	Using liquid water as broadband terahertz wave emitter. , 2018, , .		0
48	Fabrication and testing of the smallest "flute" on syringe needles. , 2019, , .		0
49	Spatial sampling of terahertz fields with subwavelength accuracy via probe beam encoding. , 2020, , .		0
50	10.1063/5.0023106.1. , 2020, , .		0
51	Terahertz Wave Generation from Water at Different Temperatures. , 2020, , .		0
52	Terahertz Wave Emission from Liquid Metal. , 2020, , .		0