

Chul

List of Publications by Year in descending order

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docs citations

39
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749
citing authors

#	ARTICLE	IF	CITATIONS
1	Terahertz conductivity of anisotropic single walled carbon nanotube films. Applied Physics Letters, 2002, 80, 3403-3405.	3.3	142
2	Optical and electrical properties of preferentially anisotropic single-walled carbon-nanotube films in terahertz region. Journal of Applied Physics, 2004, 95, 5736-5740.	2.5	134
3	Organic conjugated material-based broadband terahertz wave modulators. Applied Physics Letters, 2011, 99, 061108.	3.3	42
4	Strongly Enhanced THz Emission caused by Localized Surface Charges in Semiconducting Germanium Nanowires. Scientific Reports, 2013, 3, 1984.	3.3	32
5	Reversible Fermi Level Tuning of a Sb_2Te_3 Topological Insulator by Structural Deformation. Nano Letters, 2015, 15, 3820-3826.	9.1	31
6	Frequency-dependent optical constants and conductivities of hydrogen-functionalized single-walled carbon nanotubes. Applied Physics Letters, 2005, 87, 041908.	3.3	28
7	Significant THz absorption in CH_3NH_2 molecular defect-incorporated organic-inorganic hybrid perovskite thin film. Scientific Reports, 2019, 9, 5811.	3.3	26
8	Terahertz modulation on angle-dependent photoexcitation in organic-inorganic hybrid structures. Applied Physics Letters, 2013, 103, .	3.3	23
9	Ultrafast Photoresponse by Surface State-Mediated Optical Transitions in Topological Insulator Bi_2Te_3 Nanowire. Advanced Optical Materials, 2019, 7, 1900621.	7.3	11
10	Enhanced Spin-to-Charge Conversion Efficiency in Ultrathin Bi_2Se_3 Observed by Spintronic Terahertz Spectroscopy. ACS Applied Materials & Interfaces, 2021, 13, 23153-23160.	8.0	11
11	Conditions for optimal efficiency of PCBM-based terahertz modulators. AIP Advances, 2017, 7, .	1.3	9
12	Strong Linear Correlation between CH_3NH_2 Molecular Defect and THz-Wave Absorption in $\text{CH}_3\text{NH}_3\text{PbI}_3$ Hybrid Perovskite Thin Film. Nanomaterials, 2020, 10, 721.	4.1	9
13	Low-Loss Polytetrafluoroethylene Hexagonal Porous Fiber for Terahertz Pulse Transmission in the 6G Mobile Communication Window. IEEE Transactions on Microwave Theory and Techniques, 2021, 69, 4623-4630.	4.6	8
14	Topological Surface-Dominated Spintronic THz Emission in Topologically Nontrivial Bi_2Te_3 Films. Advanced Science, 2022, 9, .	11.2	8
15	Terahertz pulse imaging of fresh brain tumor. , 2011, , .		7
16	High-efficiency optical terahertz modulation of aligned Ag nanowires on a Si substrate. Applied Physics Letters, 2018, 112, .	3.3	6
17	Characteristics of terahertz pulses from antireflective GaAs surfaces with nanopillars. Journal of Applied Physics, 2013, 113, .	2.5	5
18	Characteristics of terahertz wave modulation using wavelength-selective photoexcitation in pentacene/Si and TIPS pentacene/Si bilayers. AIP Advances, 2016, 6, 115310.	1.3	5

#	ARTICLE	IF	CITATIONS
19	Effects of uncertain phase-matching wave vectors of rotating fan-out type poled LiNbO ₃ on THz generation. Optics Express, 2010, 18, 21484.	3.4	4
20	Ultrafast Photoexcited-Carrier Behavior Induced by Hydrogen Ion Irradiation of a Cu(In,Ga)Se ₂ Thin Film in the Terahertz Region. IEEE Transactions on Terahertz Science and Technology, 2020, , 1-1.	3.1	4
21	The effect of structural and chemical bonding changes on the optical properties of Si/Si _{1-x} C _x core/shell nanowires. Journal of Materials Chemistry C, 2013, 1, 5207.	5.5	3
22	Strong emission of THz radiation from GaAs microstructures on Si. AIP Advances, 2018, 8, 125027.	1.3	3
23	Multiparameter Distributed Fiber Sensor Based on Optical Frequency-Domain Reflectometry and Bandwidth-Division Multiplexing. IEEE Sensors Journal, 2021, 21, 25703-25709.	4.7	3
24	Characteristics of multi-mode resonances in T-shape air slots. AIP Advances, 2015, 5, 047107.	1.3	2
25	Terahertz Emission and Ultrafast Carrier Dynamics of Ar-Ion Implanted Cu(In,Ga)Se ₂ Thin Films. Crystals, 2021, 11, 411.	2.2	2
26	Characterization of terahertz wave transmission through complementary metamaterials with split ring resonator arrays. , 2009, , .		1
27	Metal-Organic Hybrid Metamaterials for Spectral-Band Selective Active Terahertz Modulators. Applied Sciences (Switzerland), 2021, 11, 2765.	2.5	1
28	Characterization of fluorine-doped thin-multiwalled carbon nanotubes by terahertz spectroscopy. , 2007, , .		0
29	Tunable Narrow-band Terahertz Generation based on Quasi Phase Matching Structures by Femtosecond Pulses. , 2007, , .		0
30	Bandwidth dependent THz generation at quasi-phase matched crystal by difference frequency generation. , 2009, , .		0
31	THz radiation from InAs surfaces with photonic crystal structures under optical excitation. , 2010, , .		0
32	Thickness and substrate dependence of THz modulation efficiency in organic/inorganic semiconductor structures. , 2011, , .		0
33	Resonant mode splitting due to the symmetry breaking in a coupled slit structure. , 2011, , .		0
34	Transport property of organic semiconductor dependent on crystalline ordering. , 2013, , .		0
35	Transmittance modulation of terahertz pulses through organic-inorganic hybrid structures under polarization and incident angle dependent optical excitation. , 2014, , .		0
36	Polarization-dependent properties of human scleral tissues at terahertz frequencies. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
37	Strongly enhanced emission of terahertz radiation from nanostructured Ge surfaces. , 2015, , .		0
38	Enhanced Terahertz Emission of GaAs Microstructures. , 2018, , .		0