

Chul

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Topological Surface- π -Dominated Spintronic THz Emission in Topologically Nontrivial $\text{Bi}_{1-x}\text{Sb}_x$ Films. <i>Advanced Science</i> , 2022, 9, .	11.2	8
2	Low-Loss Polytetrafluoroethylene Hexagonal Porous Fiber for Terahertz Pulse Transmission in the 6G Mobile Communication Window. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2021, 69, 4623-4630.	4.6	8
3	Metal-Organic Hybrid Metamaterials for Spectral-Band Selective Active Terahertz Modulators. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2765.	2.5	1
4	Terahertz Emission and Ultrafast Carrier Dynamics of Ar-Ion Implanted $\text{Cu}(\text{In,Ga})\text{Se}_2$ Thin Films. <i>Crystals</i> , 2021, 11, 411.	2.2	2
5	Enhanced Spin-to-Charge Conversion Efficiency in Ultrathin Bi_2Se_3 Observed by Spintronic Terahertz Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23153-23160.	8.0	11
6	Multiparameter Distributed Fiber Sensor Based on Optical Frequency-Domain Reflectometry and Bandwidth-Division Multiplexing. <i>IEEE Sensors Journal</i> , 2021, 21, 25703-25709.	4.7	3
7	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. <i>Nanomaterials</i> , 2020, 10, 721.	4.1	9
8	Ultrafast Photoexcited-Carrier Behavior Induced by Hydrogen Ion Irradiation of a $\text{Cu}(\text{In,Ga})\text{Se}_2$ Thin Film in the Terahertz Region. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2020, , 1-1.	3.1	4
9	Ultrafast Photo-Response by Surface State-Mediated Optical Transitions in Topological Insulator Bi_2Te_3 Nanowire. <i>Advanced Optical Materials</i> , 2019, 7, 1900621.	7.3	11
10	Significant THz absorption in CH_3NH_2 molecular defect-incorporated organic-inorganic hybrid perovskite thin film. <i>Scientific Reports</i> , 2019, 9, 5811.	3.3	26
11	High-efficiency optical terahertz modulation of aligned Ag nanowires on a Si substrate. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	6
12	Enhanced Terahertz Emission of GaAs Microstructures. , 2018, , .		0
13	Strong emission of THz radiation from GaAs microstructures on Si. <i>AIP Advances</i> , 2018, 8, 125027.	1.3	3
14	Conditions for optimal efficiency of PCBM-based terahertz modulators. <i>AIP Advances</i> , 2017, 7, .	1.3	9
15	Characteristics of terahertz wave modulation using wavelength-selective photoexcitation in pentacene/Si and TIPS pentacene/Si bilayers. <i>AIP Advances</i> , 2016, 6, 115310.	1.3	5
16	Reversible Fermi Level Tuning of a Sb_2Te_3 Topological Insulator by Structural Deformation. <i>Nano Letters</i> , 2015, 15, 3820-3826.	9.1	31
17	Polarization-dependent properties of human scleral tissues at terahertz frequencies. , 2015, , .		0
18	Strongly enhanced emission of terahertz radiation from nanostructured Ge surfaces. , 2015, , .		0

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19	Characteristics of multi-mode resonances in T-shape air slots. AIP Advances, 2015, 5, 047107.	1.3	2
20	Transmittance modulation of terahertz pulses through organic-inorganic hybrid structures under polarization and incident angle dependent optical excitation. , 2014, , .		0
21	The effect of structural and chemical bonding changes on the optical properties of Si/Si \hat{a} ^x Cx core/shell nanowires. Journal of Materials Chemistry C, 2013, 1, 5207.	5.5	3
22	Strongly Enhanced THz Emission caused by Localized Surface Charges in Semiconducting Germanium Nanowires. Scientific Reports, 2013, 3, 1984.	3.3	32
23	Terahertz modulation on angle-dependent photoexcitation in organic-inorganic hybrid structures. Applied Physics Letters, 2013, 103, .	3.3	23
24	Characteristics of terahertz pulses from antireflective GaAs surfaces with nanopillars. Journal of Applied Physics, 2013, 113, .	2.5	5
25	Transport property of organic semiconductor dependent on crystalline ordering. , 2013, , .		0
26	Organic conjugated material-based broadband terahertz wave modulators. Applied Physics Letters, 2011, 99, 061108.	3.3	42
27	Thickness and substrate dependence of THz modulation efficiency in organic/inorganic semiconductor structures. , 2011, , .		0
28	Resonant mode splitting due to the symmetry breaking in a coupled slit structure. , 2011, , .		0
29	Terahertz pulse imaging of fresh brain tumor. , 2011, , .		7
30	THz radiation from InAs surfaces with photonic crystal structures under optical excitation. , 2010, , .		0
31	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
32	Bandwidth dependent THz generation at quasi-phase matched crystal by difference frequency generation. , 2009, , .		0
33	Characterization of terahertz wave transmission through complementary metamaterials with split ring resonator arrays. , 2009, , .		1
34	Characterization of fluorine-doped thin-multiwalled carbon nanotubes by terahertz spectroscopy. , 2007, , .		0
35	Tunable Narrow-band Terahertz Generation based on Quasi Phase Matching Structures by Femtosecond Pulses. , 2007, , .		0
36	Frequency-dependent optical constants and conductivities of hydrogen-functionalized single-walled carbon nanotubes. Applied Physics Letters, 2005, 87, 041908.	3.3	28

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37	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
38	Terahertz conductivity of anisotropic single walled carbon nanotube films. Applied Physics Letters, 2002, 80, 3403-3405.	3.3	142