

Fangjing Hu

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Silicon-Based 3D All-Solid-State Micro-Supercapacitor with Superior Performance. ACS Applied Materials & Interfaces, 2020, 12, 43864-43875.	4.0	48
2	Flexible Ultra-Wideband Terahertz Absorber Based on Vertically Aligned Carbon Nanotubes. ACS Applied Materials & Interfaces, 2019, 11, 43671-43680.	4.0	39
3	Three-dimensional printing technologies for terahertz applications: A review. International Journal of RF and Microwave Computer-Aided Engineering, 2020, 30, e21983.	0.8	39
4	Predicting Atmospheric Attenuation Under Pristine Conditions Between 0.1 and 100 THz. IEEE Access, 2016, 4, 9377-9399.	2.6	32
5	Measurement of Tidal Tilt by a Micromechanical Inertial Sensor Employing Quasi-Zero-Stiffness Mechanism. Journal of Microelectromechanical Systems, 2020, 29, 1322-1331.	1.7	21
6	Wafer-scale vertically aligned carbon nanotubes for broadband terahertz wave absorption. Carbon, 2019, 154, 503-509.	5.4	20
7	An Ultra-Wideband THz/IR Metamaterial Absorber Based on Doped Silicon. Materials, 2018, 11, 2590.	1.3	19
8	A flexible and ultra-broadband terahertz wave absorber based on graphene-vertically aligned carbon nanotube hybrids. Journal of Materials Chemistry C, 2020, 8, 7244-7252.	2.7	16
9	Secure thermal infrared communications using engineered blackbody radiation. Scientific Reports, 2014, 4, 5245.	1.6	15
10	A precise spacing-control method in MEMS packaging for capacitive accelerometer applications. Journal of Micromechanics and Microengineering, 2018, 28, 125016.	1.5	15
11	Ultra-low cost THz short-range wireless link. , 2011, , .		12
12	In-situ Functionalization of Metal Electrodes for Advanced Asymmetric Supercapacitors. Frontiers in Chemistry, 2019, 7, 512.	1.8	12
13	Modelling Miniature Incandescent Light Bulbs for Thermal Infrared THz Torch™ Applications. Journal of Infrared, Millimeter, and Terahertz Waves, 2015, 36, 350-367.	1.2	11
14	Systems Analysis for Thermal Infrared THz Torch™ Applications. Journal of Infrared, Millimeter, and Terahertz Waves, 2015, 36, 474-495.	1.2	11
15	A low-temperature-operated direct fabrication method for all-solid-state flexible micro-supercapacitors. Journal of Power Sources, 2020, 448, 227415.	4.0	9
16	Improved THz Torch technology for short-range wireless data transfer. , 2013, , .		8
17	On the Air Buoyancy Effect in MEMS-Based Gravity Sensors for High Resolution Gravity Measurements. IEEE Sensors Journal, 2021, 21, 22480-22488.	2.4	8
18	Advances in Front-end Enabling Technologies for Thermal Infrared THz Torch™ Wireless Communications. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 881-893.	1.2	7

#	ARTICLE	IF	CITATIONS
19	Temperature Gradient Method for Alleviating Bonding-Induced Warpage in a High-Precision Capacitive MEMS Accelerometer. <i>Sensors</i> , 2020, 20, 1186.	2.1	7
20	Emerging Thermal Infrared \sim THz Torch™ Technology for Low-Cost Security and Defence Applications. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2014, , 239-275.	0.2	7
21	Technology demonstrators for low-cost terahertz engineering. , 2013, , .		5
22	A Flexible and Ultra-Wideband Terahertz Wave Absorber Based on Pyramid-Shaped Carbon Nanotube Array via Femtosecond Laser Microprocessing and Two-Step Transfer Technique. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	5
23	Banknote characterization using a thermal infrared \sim THz Torch™ spectrometer. , 2015, , .		4
24	Scale Factor Calibration for a Rotating Accelerometer Gravity Gradiometer. <i>Sensors</i> , 2018, 18, 4386.	2.1	3
25	On-chip integration of bulk micromachined three-dimensional Si/C/CNT@TiC micro-supercapacitors for alternating current line filtering. <i>RSC Advances</i> , 2022, 12, 2048-2056.	1.7	3
26	Comparison of iteration solution methods with multilevel fast multipole algorithm for solving large-scale scattering problems. , 2009, , .		2
27	Link budget analysis for secure thermal infrared communications using engineered blackbody radiation. , 2014, , .		2
28	A method for alleviating the effect of pinhole defects in inter-metal dielectric films. <i>Journal of Micromechanics and Microengineering</i> , 2019, 29, 015012.	1.5	2
29	Broadband Characterisation of Interior Materials and Surface Scattering using Terahertz Time-Domain Spectroscopy. , 2021, , .		2
30	Low Temperature Hydrophilic SiC Wafer Level Direct Bonding for Ultrahigh-Voltage Device Applications. <i>Micromachines</i> , 2021, 12, 1575.	1.4	2
31	A low-temperature operated <i>in situ</i> synthesis of TiC-modified carbon nanotubes with enhanced thermal stability and electrochemical properties. <i>Nanoscale Advances</i> , 0, , .	2.2	1
32	A carbon nanotube@silicon-based three-dimensional porous photo-supercapacitor for self-powered UV detection. <i>Materials Today Energy</i> , 2022, 28, 101054.	2.5	1
33	Parallelization of multilevel fast multipole algorithm with open MPI for scattering by large scale targets. , 2009, , .		0
34	Digital Microfluidics for Terahertz Digital and Programmable Metamaterials: A Proof-of-Concept Study. , 2018, , .		0
35	3D-printed Reflective Dielectric Coding Metamaterials for Terahertz Waves Manipulation. , 2021, , .		0