

# Weidong Chu

## List of Publications by Year in descending order

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26  
papers

207  
citations

1478505

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h-index

1281871

11  
g-index

26  
all docs

26  
docs citations

26  
times ranked

242  
citing authors

#	ARTICLE	IF	CITATIONS
1	Local large temperature difference and ultra-wideband photothermoelectric response of the silver nanostructure film/carbon nanotube film heterostructure. Nature Communications, 2022, 13, 1835.	12.8	27
2	Broadband and photovoltaic THz/IR response in the GaAs-based ratchet photodetector. Science Advances, 2022, 8, .	10.3	11
3	Stability diagrams of two optically mutual-injected quantum cascade lasers. AIP Advances, 2021, 11, 015320.	1.3	0
4	Self-Mixing Signal Characteristics of Complex-Coupled Distributed-Feedback Terahertz Quantum-Cascade Lasers. Frontiers in Physics, 2021, 9, .	2.1	0
5	Deep-learning potential method to simulate shear viscosity of liquid aluminum at high temperature and high pressure by molecular dynamics. AIP Advances, 2021, 11, .	1.3	6
6	Two beam self mixing interference in terahertz quantum cascade lasers. , 2021, , .		0
7	Quantum ratchet broadband THz detector. , 2021, , .		0
8	Optical pump assisted broadband terahertz frequency comb. AIP Advances, 2021, 11, 125101.	1.3	0
9	Ultra-broadband THz/IR upconversion and photovoltaic response in semiconductor ratchet-based upconverter. Applied Physics Letters, 2021, 119, .	3.3	6
10	Strongly enhanced local electromagnetic field in mid-infrared and terahertz photodetectors employing a hybrid antenna. AIP Advances, 2020, 10, 015048.	1.3	6
11	Multiple-Beam Terahertz Laser Self-Mixing Interference and Its Application in Film Thickness Measurements. , 2020, , .		0
12	Self-mixing velocity sensors based on terahertz quantum cascade lasers. , 2020, , .		0
13	Self-Mixing Interferometry in a Terahertz Quantum Cascade Laser with External Dual Cavity. , 2020, , .		0
14	Properties of self-mixing interference in terahertz distributed feedback quantum cascade lasers. Applied Physics Letters, 2019, 115, .	3.3	4
15	Dynamics of Optically Mutual-injected Terahertz Quantum Cascade Lasers. , 2019, , .		0
16	Basic phase-locking, noise, and modulation properties of optically mutual-injected terahertz quantum cascade lasers. Optics Express, 2019, 27, 3146.	3.4	9
17	Optically mutual-injected terahertz quantum cascade lasers for self-mixing velocity measurements. Optics Express, 2019, 27, 27076.	3.4	5
18	High-Performance, Ultra-Broadband, Ultraviolet to Terahertz Photodetectors Based on Suspended Carbon Nanotube Films. ACS Applied Materials & Interfaces, 2018, 10, 36304-36311.	8.0	64

#	ARTICLE	IF	CITATIONS
19	A proposal for phase-locked arrays of terahertz quantum cascade lasers. , 2017, , .		0
20	High-power terahertz quantum cascade lasers with $\hat{\wedge}^{1/4}0.23$ W in continuous wave mode. AIP Advances, 2016, 6, .	1.3	56
21	Studies on far-field divergence of Tapered THz-QCLs. , 2014, , .		0
22	Tapered terahertz quantum cascade lasers. , 2013, , .		0
23	Conditional photon-assisted transport in coupled quantum dot. Applied Physics Letters, 2012, 100, 153105.	3.3	0
24	Elliptically polarized harmonic emission in a quantum dot. Journal of Applied Physics, 2012, 111, .	2.5	0
25	Model of generating either odd or even optical harmonics by varying the coupling parameters between source quantum dots. Physical Review B, 2010, 82, .	3.2	13
26	Theoretical study on terahertz wave detection and radiation based on semiconductor nano structures. , 2010, , .		0