Guangwu Duan

List of Publications by Year
in descending order

24	939	567281 15	794594 19
papers	citations	h-index	g-index

25	25	25	941
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optically Modulated Ultra-Broadband All-Silicon Metamaterial Terahertz Absorbers. ACS Photonics, 2019, 6, 830-837.	6.6	161
2	Electromechanically tunable metasurface transmission waveplate at terahertz frequencies. Optica, 2018, 5, 303.	9.3	134
3	Voltage-tunable dual-layer terahertz metamaterials. Microsystems and Nanoengineering, 2016, 2, 16025.	7.0	79
4	A three-dimensional all-metal terahertz metamaterial perfect absorber. Applied Physics Letters, 2017, 111, .	3.3	75
5	Nonlinear terahertz metamaterial perfect absorbers using GaAs [Invited]. Photonics Research, 2016, 4, A16.	7.0	67
6	Integrating microsystems with metamaterials towards metadevices. Microsystems and Nanoengineering, 2019, 5, 5.	7.0	65
7	Boosting magnetic resonance imaging signal-to-noise ratio using magnetic metamaterials. Communications Physics, 2019, 2, .	5.3	65
8	A survey of theoretical models for terahertz electromagnetic metamaterial absorbers. Sensors and Actuators A: Physical, 2019, 287, 21-28.	4.1	52
9	Analysis of the thickness dependence of metamaterial absorbers at terahertz frequencies. Optics Express, 2018, 26, 2242.	3.4	48
10	Terahertz metamaterial perfect absorber with continuously tunable air spacer layer. Applied Physics Letters, 2018, 113, .	3.3	42
11	Intelligent Metamaterials Based on Nonlinearity for Magnetic Resonance Imaging. Advanced Materials, 2019, 31, e1905461.	21.0	41
12	Real-time tunable phase response and group delay in broadside coupled split-ring resonators. Physical Review B, 2019, 99, .	3.2	22
13	An air-spaced terahertz metamaterial perfect absorber. Sensors and Actuators A: Physical, 2018, 280, 303-308.	4.1	21
14	Terahertz Dispersion Characteristics of Super-aligned Multi-walled Carbon Nanotubes and Enhanced Transmission through Subwavelength Apertures. Scientific Reports, 2018, 8, 2087.	3.3	18
15	Implementing infrared metamaterial perfect absorbers using dispersive dielectric spacers. Optics Express, 2019, 27, 1727.	3.4	17
16	Ultrathin Terahertz Triple-Band Metamaterial Absorbers: Consideration of Interlayer Coupling. Physical Review Applied, 2020, 14, .	3.8	15
17	Strong Metasurfaceâ€"Josephson Plasma Resonance Coupling in Superconducting La 2â^' x Sr x CuO 4. Advanced Optical Materials, 2019, 7, 1900712.	7.3	9
18	A Magnetically Coupled Communication and Charging Platform for Microsensors. Journal of Microelectromechanical Systems, 2017, 26, 1099-1109.	2.5	4

#	Article	IF	Citations
19	Metamaterial-enhanced near-field readout platform for passive microsensor tags. Microsystems and Nanoengineering, 2022, 8, 28.	7.0	3
20	Integrated Air Spaced Terahertz Metamaterial Absorber with High Quality Factor. , 2019, , .		1
21	A high-efficiency magnetically coupled charging and communication platform for microsensors. , 2018, , .		0
22	Integrating Microsystems with Metamaterials Towards Metadevices. , 2019, , .		0
23	Integrating Microsystems with Metamaterials Towards Metadevices. , 2019, , .		0
24	A High Sensitivity Microfluidic Channel Enabled Terahertz Metamaterial Absorber For Sensing And Detectio. , 2019, , .		0