

# Jingdi Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,915  
citations

331670

21  
h-index

526287

27  
g-index

32  
all docs

32  
docs citations

32  
times ranked

3118  
citing authors

#	ARTICLE	IF	CITATIONS
1	Silk-Based Conformal, Adhesive, Edible Food Sensors. <i>Advanced Materials</i> , 2012, 24, 1067-1072.	21.0	335
2	Optically Modulated Ultra-Broadband All-Silicon Metamaterial Terahertz Absorbers. <i>ACS Photonics</i> , 2019, 6, 830-837.	6.6	161
3	Electromechanically tunable metasurface transmission waveplate at terahertz frequencies. <i>Optica</i> , 2018, 5, 303.	9.3	134
4	Cooperative photoinduced metastable phase control in strained manganite films. <i>Nature Materials</i> , 2016, 15, 956-960.	27.5	118
5	Nonlinear Terahertz Metamaterials via Field-Enhanced Carrier Dynamics in GaAs. <i>Physical Review Letters</i> , 2013, 110, 217404.	7.8	105
6	Optically Modulated Multiband Terahertz Perfect Absorber. <i>Advanced Optical Materials</i> , 2014, 2, 1221-1226.	7.3	94
7	Phototunable Dielectric Huygens' Metasurfaces. <i>Advanced Materials</i> , 2018, 30, e1800278.	21.0	89
8	Phase transition in bulk single crystals and thin films of $V_2O_5$ by nanoscale infrared spectroscopy and imaging. <i>Physical Review B</i> , 2015, 91, .	3.2	88
9	Voltage-tunable dual-layer terahertz metamaterials. <i>Microsystems and Nanoengineering</i> , 2016, 2, 16025.	7.0	79
10	A three-dimensional all-metal terahertz metamaterial perfect absorber. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	75
11	Nonlinear terahertz metamaterial perfect absorbers using GaAs [Invited]. <i>Photonics Research</i> , 2016, 4, A16.	7.0	67
12	Optically tunable metamaterial perfect absorber on highly flexible substrate. <i>Sensors and Actuators A: Physical</i> , 2015, 231, 74-80.	4.1	65
13	Nonlinear terahertz devices utilizing semiconducting plasmonic metamaterials. <i>Light: Science and Applications</i> , 2016, 5, e16078-e16078.	16.6	65
14	Optically Tunable Terahertz Metamaterials on Highly Flexible Substrates. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2013, 3, 702-708.	3.1	61
15	Multi-messenger nanoprobe of hidden magnetism in a strained manganite. <i>Nature Materials</i> , 2020, 19, 397-404.	27.5	59
16	Photoenhanced metastable c-axis electrodynamic in stripe-ordered cuprate $La_{1.885}Ba_{0.115}CuO_4$ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19875-19879.	7.1	51
17	Analysis of the thickness dependence of metamaterial absorbers at terahertz frequencies. <i>Optics Express</i> , 2018, 26, 2242.	3.4	48
18	Dynamic conductivity scaling in photoexcited $V_2O_5$ thin films. <i>Physical Review B</i> , 2015, 92, .	3.2	42

#	ARTICLE	IF	CITATIONS
19	Symmetry breaking and geometric confinement in VO <sub>2</sub> : Results from a three-dimensional infrared nano-imaging. Applied Physics Letters, 2014, 104, 121905. Ultrafast electron-lattice coupling dynamics in $\text{VO}_2$	3.3	36
20	and $V_2O_3$ thin films. Physical Review B, 2017, 96, . Terahertz radiation-induced sub-cycle field electron emission across a split-gap dipole antenna. Applied Physics Letters, 2015, 107, .	3.2	32
21	Real-time tunable phase response and group delay in broadside coupled split-ring resonators. Physical Review B, 2019, 99, .	3.3	23
22	An air-spaced terahertz metamaterial perfect absorber. Sensors and Actuators A: Physical, 2018, 280, 303-308.	3.2	22
23	Dynamics of a Persistent Insulator-to-Metal Transition in Strained Manganite Films. Physical Review Letters, 2019, 123, 267201.	4.1	21
24	Terahertz saturable absorption in superconducting metamaterials. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 2649.	7.8	16
25	Ultrafast terahertz spectroscopy study of a Kondo insulating thin-film $\text{SmB}_6$ : Evidence for an emergent surface state. Physical Review B, 2018, 97, .	2.1	15
26	Optically Tunable All-Dielectric Broadband Terahertz Metamaterial Perfect Absorber. , 2019, , .	3.2	7
27	A tunable terahertz metamaterial based on a micro-cantilever array. , 2017, , .		3
28	THz materials discovery and integration: The search for novel functionality. , 2015, , .		1
29	A high-Q three-dimensional terahertz metamaterial perfect absorber. , 2017, , .		0
30	Ultrafast broadband tuning of InAs THz plasmonic arrays. , 2021, , .		0
31			0