Jingdi Zhang

List of Publications by Year
in descending order

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		331670	526287
31	1,915	21	27
papers	citations	h-index	g-index

32	32	32	3118
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultrafast broadband tuning of InAs THz plasmonic arrays. , 2021, , .		0
2	Multi-messenger nanoprobes of hidden magnetism in a strained manganite. Nature Materials, 2020, 19, 397-404.	27.5	59
3	Optically Tunable All-Dielectric Broadband Terahertz Metamaterial Perfect Absorber. , 2019, , .		3
4	Optically Modulated Ultra-Broadband All-Silicon Metamaterial Terahertz Absorbers. ACS Photonics, 2019, 6, 830-837.	6.6	161
5	Real-time tunable phase response and group delay in broadside coupled split-ring resonators. Physical Review B, 2019, 99, .	3.2	22
6	Photoenhanced metastable c-axis electrodynamics in stripe-ordered cuprate La _{1.885} Ba _{0.115} CuO ₄. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19875-19879.	7.1	51
7	Dynamics of a Persistent Insulator-to-Metal Transition in Strained Manganite Films. Physical Review Letters, 2019, 123, 267201.	7.8	16
8	Ultrafast terahertz spectroscopy study of a Kondo insulating thin-film <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Sm</mml:mi><mml:msub><mml:mi mathvariant="normal">B</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math> : Evidence for an emergent surface state. Physical Review B, 2018, 97, .	3.2	7
9	Phototunable Dielectric Huygens' Metasurfaces. Advanced Materials, 2018, 30, e1800278.	21.0	89
10	Electromechanically tunable metasurface transmission waveplate at terahertz frequencies. Optica, 2018, 5, 303.	9.3	134
11	Analysis of the thickness dependence of metamaterial absorbers at terahertz frequencies. Optics Express, 2018, 26, 2242.	3.4	48
12	An air-spaced terahertz metamaterial perfect absorber. Sensors and Actuators A: Physical, 2018, 280, 303-308.	4.1	21
13	A tunable terahertz metamaterial based on a micro-cantilever array. , 2017, , .		1
14	Ultrafast electron-lattice coupling dynamics in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>VO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> thin films. Physical Review B, 2017, 96, .	3.2	32
15	A three-dimensional all-metal terahertz metamaterial perfect absorber. Applied Physics Letters, 2017, 111, .	3.3	75
16	A high-Q three-dimensional terahertz metamaterial perfect absorber. , 2017, , .		0
17	Terahertz saturable absorption in superconducting metamaterials. Journal of the Optical Society of America B: Optical Physics, 2016, 33, 2649.	2.1	15
18	Cooperative photoinduced metastable phase control in strained manganite films. Nature Materials, 2016, 15, 956-960.	27.5	118

#	ARTICLE	IF	CITATIONS
19	Voltage-tunable dual-layer terahertz metamaterials. Microsystems and Nanoengineering, 2016, 2, 16025.	7.0	79
20	Nonlinear terahertz metamaterial perfect absorbers using GaAs [Invited]. Photonics Research, 2016, 4, A16.	7.0	67
21	Nonlinear terahertz devices utilizing semiconducting plasmonic metamaterials. Light: Science and Applications, 2016, 5, e16078-e16078.	16.6	65
22	Phase transition in bulk single crystals and thin films of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">V</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>by dynamic infrared nanoscopy and spectroscopy. Physical Review B, 2015, 91, .	3.2	88
23	Dynamic conductivity scaling in photoexcited <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>thin films. Physical Review B, 2015, 92, .	3.2	42
24	Terahertz radiation-induced sub-cycle field electron emission across a split-gap dipole antenna. Applied Physics Letters, 2015, 107, .	3.3	23
25	THz materials discovery and integration: The search for novel functionality. , 2015, , .		0
26	Optically tunable metamaterial perfect absorber on highly flexible substrate. Sensors and Actuators A: Physical, 2015, 231, 74-80.	4.1	65
27	Symmetry breaking and geometric confinement in VO2: Results from a three-dimensional infrared nano-imaging. Applied Physics Letters, 2014, 104, 121905.	3.3	36
28	Optically Modulated Multiband Terahertz Perfect Absorber. Advanced Optical Materials, 2014, 2, 1221-1226.	7.3	94
29	Optically Tunable Terahertz Metamaterials on Highly Flexible Substrates. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 702-708.	3.1	61
30	Nonlinear Terahertz Metamaterials via Field-Enhanced Carrier Dynamics in GaAs. Physical Review Letters, 2013, 110, 217404.	7.8	105
31	Silkâ€Based Conformal, Adhesive, Edible Food Sensors. Advanced Materials, 2012, 24, 1067-1072.	21.0	335