

Jitao Li

List of Publications by Year in descending order

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papers

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218381

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87
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Metal-graphene hybrid active chiral metasurfaces for dynamic terahertz wavefront modulation and near field imaging. Carbon, 2020, 163, 34-42.	5.4	113
2	Free switch between bound states in the continuum (BIC) and quasi-BIC supported by graphene-metal terahertz metasurfaces. Carbon, 2021, 182, 506-515.	5.4	86
3	Dynamic control of reflective chiral terahertz metasurface with a new application developing in full grayscale near field imaging. Carbon, 2021, 172, 189-199.	5.4	83
4	Dynamic phase assembled terahertz metalens for reversible conversion between linear polarization and arbitrary circular polarization. Opto-Electronic Advances, 2022, 5, 210062-210062.	6.4	79
5	Significantly improved photoluminescence properties of ZnO thin films by lithium doping. Ceramics International, 2020, 46, 2309-2316.	2.3	76
6	High performance MnO ₂ supercapacitor material prepared by modified electrodeposition method with different electrodeposition voltages. Journal of Energy Storage, 2020, 29, 101363.	3.9	65
7	Active controllable spin-selective terahertz asymmetric transmission based on all-silicon metasurfaces. Applied Physics Letters, 2021, 118, .	1.5	55
8	Influence of electrolyte proportion on the performance of dye-sensitized solar cells. AIP Advances, 2017, 7, .	0.6	48
9	Supercapacitor performances of MnO ₂ and MnO ₂ / reduced graphene oxide prepared with various electrodeposition time. Vacuum, 2020, 178, 109455.	1.6	48
10	Spectral amplitude modulation and dynamic near-field displaying of all-silicon terahertz metasurfaces supporting bound states in the continuum. Applied Physics Letters, 2021, 119, .	1.5	46
11	All-Dielectric Metasurface for Manipulating the Superpositions of Orbital Angular Momentum via Spin-Decoupling. Advanced Optical Materials, 2021, 9, 2002007.	3.6	44
12	Creating Longitudinally Varying Vector Vortex Beams with an All-Dielectric Metasurface. Laser and Photonics Reviews, 2022, 16, .	4.4	43
13	Terahertz metasurface zone plates with arbitrary polarizations to a fixed polarization conversion. , 2022, 1, 210014-210014.		42
14	Optically tunable all-silicon chiral metasurface in terahertz band. Applied Physics Letters, 2021, 118, .	1.5	41
15	Terahertz wavefront shaping with multi-channel polarization conversion based on all-dielectric metasurface. Photonics Research, 2021, 9, 1939.	3.4	39
16	Effects of electrodeposition time on a manganese dioxide supercapacitor. RSC Advances, 2020, 10, 15860-15869.	1.7	37
17	All-Dielectric Trifunctional Metasurface Capable of Independent Amplitude and Phase Modulation. Laser and Photonics Reviews, 2022, 16, .	4.4	36
18	High photoresponse sensitivity of lithium-doped ZnO (LZO) thin films for weak ultraviolet signal photodetector. Journal of Alloys and Compounds, 2019, 805, 309-317.	2.8	35

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19	Surface nanosheets evolution and enhanced photoluminescence properties of Al-doped ZnO films induced by excessive doping concentration. <i>Ceramics International</i> , 2019, 45, 3871-3877.	2.3	35
20	Fabrication and characterization of dye-sensitized solar cells based on natural plants. <i>Chemical Physics Letters</i> , 2018, 693, 16-22.	1.2	34
21	Circular dichroism-like response of terahertz wave caused by phase manipulation via all-silicon metasurface. <i>Photonics Research</i> , 2021, 9, 567.	3.4	34
22	Effects of aging time and annealing temperature on structural and optical properties of sol-gel ZnO thin films. <i>AIP Advances</i> , 2017, 7, 065213.	0.6	32
23	Ultrasonic and NH ₄ ⁺ assisted Ni foam substrate oxidation to achieve high performance MnO ₂ supercapacitor. <i>Applied Surface Science</i> , 2021, 541, 148546.	3.1	32
24	All-dielectric chiral coding metasurface based on spin-decoupling in terahertz band. <i>Nanophotonics</i> , 2021, 10, 1347-1355.	2.9	32
25	Influence of substrate on structural, morphological and optical properties of TiO ₂ thin films deposited by reaction magnetron sputtering. <i>AIP Advances</i> , 2017, 7, .	0.6	31
26	Graphene quantum dots doped ZnO superstructure (ZnO superstructure/GQDs) for weak UV intensity photodetector application. <i>Ceramics International</i> , 2020, 46, 17800-17808.	2.3	31
27	Influence of oxygen vacancy on the response properties of TiO ₂ ultraviolet detectors. <i>Journal of Alloys and Compounds</i> , 2019, 779, 821-830.	2.8	30
28	Structural and optical properties of nano-crystalline ZnO thin films synthesized by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 82, 563-568.	1.1	27
29	Fine manipulation of terahertz waves via all-silicon metasurfaces with an independent amplitude and phase. <i>Nanoscale</i> , 2021, 13, 5809-5816.	2.8	25
30	Polarization-dependent and tunable absorption of terahertz waves based on anisotropic metasurfaces. <i>Optics Express</i> , 2021, 29, 3284.	1.7	24
31	Dual-band giant spin-selective full-dimensional manipulation of graphene-based chiral meta-mirrors for terahertz waves. <i>Optics Express</i> , 2022, 30, 22292.	1.7	24
32	Effective improvement of electrochemical performance of electrodeposited MnO ₂ and MnO ₂ /reduced graphene oxide supercapacitor materials by alcohol pretreatment. <i>Journal of Energy Storage</i> , 2020, 30, 101511.	3.9	23
33	Metal-insulator phase transition in Hf-doped VO ₂ (M) thin films: a study on the structural, electrical, optical and infrared radiation properties. <i>Optical Materials Express</i> , 2018, 8, 2300.	1.6	20
34	Multifunctional terahertz metasurfaces for polarization transformation and wavefront manipulation. <i>Nanoscale</i> , 2021, 13, 14490-14496.	2.8	20
35	All-optical switchable terahertz spin-photonic devices based on vanadium dioxide integrated metasurfaces. <i>Optics Communications</i> , 2020, 460, 124986.	1.0	19
36	Highly Efficient Amplitude Modulation of Terahertz Fano Resonance Based on Si Photoactive Substrate by Low Power Continuous Wave. <i>Advanced Materials Technologies</i> , 2020, 5, 2000626.	3.0	19

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37	A dual band spin-selective transmission metasurface and its wavefront manipulation. <i>Nanoscale</i> , 2021, 13, 10898-10905.	2.8	19
38	All-silicon chiral metasurfaces and wavefront shaping assisted by interference. <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	2.0	18
39	Optically Tunable Terahertz Metasurface Absorber. <i>Annalen Der Physik</i> , 2022, 534, .	0.9	18
40	Hydrothermal preparation of ZnS: Mn quantum dots and the effects of reaction temperature on its structural and optical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 16715-16720.	1.1	15
41	Effect of the nitrogen-oxygen ratio on the position of N atoms in the TiO ₂ lattice of N-doped TiO ₂ thin films prepared by DC magnetron sputtering. <i>CrystEngComm</i> , 2018, 20, 4133-4140.	1.3	14
42	Effect of current on electrodeposited MnO ₂ as supercapacitor and lithium-ion battery electrode. <i>Vacuum</i> , 2022, 195, 110692.	1.6	14
43	All-silicon metasurfaces for polarization multiplexed generation of terahertz photonic orbital angular momentum superposition states. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5478-5485.	2.7	13
44	Lossless dielectric metasurface with giant intrinsic chirality for terahertz wave. <i>Optics Express</i> , 2021, 29, 28329.	1.7	13
45	Inhibition of buried cavities and defects in metal halide perovskite photodetectors via a two-step spin-coating method. <i>Journal of Materials Chemistry C</i> , 2022, 10, 7886-7895.	2.7	13
46	Versatile Polarization Conversion and Wavefront Shaping Based on Fully Phase-Modulated Metasurface with Complex Amplitude Modulation. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	13
47	High Specific Capacitance of the Electrodeposited MnO ₂ on Porous Foam Nickel Soaked in Alcohol and its Dependence on Precursor Concentration. <i>Materials</i> , 2020, 13, 181.	1.3	12
48	Broadband and tunable terahertz absorption via photogenerated carriers in undoped silicon. <i>Science China: Physics, Mechanics and Astronomy</i> , 2022, 65, 1.	2.0	12
49	Influence of substrate and Ar/N ₂ gas flow ratio on structural, optical and electrical properties of TiN thin films synthesized by DC magnetron sputtering. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 9893-9900.	1.1	11
50	Influence of sputtering power on structural, optical and electrical properties of CdTe thin films prepared by DC magnetron sputtering. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14635-14642.	1.1	10
51	All-dielectric metasurfaces capable of dual-channel complex amplitude modulation. <i>Nanophotonics</i> , 2021, 10, 2959-2968.	2.9	10
52	Improving performance of hybrid perovskite/graphene-based photodetector via hot carriers injection. <i>Journal of Alloys and Compounds</i> , 2022, 895, 162496.	2.8	10
53	Pretreating temperature controls on structural, morphological and optical properties of sol-gel ZnO thin films. <i>Materials Technology</i> , 2018, 33, 198-204.	1.5	9
54	Performance of dye-sensitized solar cells based on natural dyes. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	1.5	9

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55	Changes in the growth orientation, morphological and optical properties of sol-gel nanocrystalline ZnO thin films coated with different thickness. <i>Materials Technology</i> , 2019, 34, 80-85.	1.5	9
56	Excess polymer-assisted crystal growth method for high-performance perovskite photodetectors. <i>Journal of Alloys and Compounds</i> , 2022, 908, 164482.	2.8	9
57	Terahertz (THz) Generator and Detection. <i>Electrical Science & Engineering</i> , 2020, 2, .	0.2	8
58	Reduced graphene oxide coated manganese dioxide electrode prepared by polyvinylpyrrolidone assisted electrodeposition. <i>Vacuum</i> , 2022, 199, 110925.	1.6	8
59	Investigations on Structural, Optical and X-Radiation Responsive Properties of a-Se Thin Films Fabricated by Thermal Evaporation Method at Low Vacuum Degree. <i>Materials</i> , 2018, 11, 368.	1.3	7
60	Photoresponse properties and energy gap of CsPbBr ₃ ∕CsPb ₂ Br ₅ compound thin film prepared by one-step thermal evaporation method. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 4956-4962.	1.1	7
61	High energy storage MnO ₂ @C fabricated by ultrasonic-assisted stepwise electrodeposition and vapor carbon coating. <i>Chemical Engineering Journal Advances</i> , 2021, 6, 100098.	2.4	7
62	Manipulation of polarization conversion and multiplexing via all-silicon phase-modulated metasurfaces. <i>Chinese Optics Letters</i> , 2022, 20, 043601.	1.3	6
63	Vector beam generation based on spin-decoupling metasurface zone plate. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	6
64	Synergistic optimization of photothermoelectric performance of a perovskite/graphene composite. <i>Ceramics International</i> , 2022, 48, 4366-4370.	2.3	5
65	Terahertz coding metasurface based vanadium dioxide. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020, 69, 228101.	0.2	5
66	Effects of annealing temperature on the structural and optical properties of ZnO thin films prepared by sol-gel method. <i>Functional Materials Letters</i> , 2016, 09, 1750010.	0.7	4
67	Substrate temperature effects on structural and photoelectric properties of CdS thin films. <i>Surface Innovations</i> , 2017, 5, 243-250.	1.4	4
68	Influence of substrates on the properties of titanium nitride films deposited by DC reaction magnetron sputtering. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	4
69	Resonance-trapped bound states in the continuum via all-silicon terahertz metasurface. <i>Optics Communications</i> , 2022, 516, 128274.	1.0	4
70	Annealing Temperature Dependence of Optical Properties of Sol-Gel ZnO Thin Films with Different Sol Aging Time. <i>Journal of Nano Research</i> , 2017, 48, 211-217.	0.8	3
71	Multiple Longitudinal Polarization Vortices Generated via All-Silicon Metasurface. <i>Annalen Der Physik</i> , 2021, 533, 2100159.	0.9	3
72	Study on preparation of high performance manganese dioxide supercapacitor by cyclic voltammetry. <i>Ionics</i> , 2021, 27, 4521-4529.	1.2	3

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73	Structural, Optical and Photoelectric Properties of Nano-Crystalline CdS Thin Films Deposited by Electron Beam Evaporation. <i>Nanoscience and Nanotechnology Letters</i> , 2017, 9, 1023-1027.	0.4	3
74	Optically tunable extrinsic chirality of single-layer metal metasurface for terahertz wave. <i>Optics Communications</i> , 2022, 512, 127554.	1.0	3
75	Enhanced Structural and Photoelectric Properties of CdCl ₂ Coated CdS Thin Films Deposited by Magnetron Sputtering. <i>Nanoscience and Nanotechnology Letters</i> , 2017, 9, 1363-1367.	0.4	2
76	Sodium Dodecylbenzene Sulfonate Assisted Electrodeposition of MnO ₂ @C Electrode for High Performance Supercapacitor. <i>Journal of the Electrochemical Society</i> , 2021, 168, 122502.	1.3	2
77	A giantly chirality tunable terahertz metasurface based on 3D folded structure with vanadium dioxide. <i>Optik</i> , 2022, 262, 169305.	1.4	2
78	Evaporation time effects on structural, optical and X-ray photoresponse properties of thermal evaporated a-Se thin films at low vacuum degree. <i>AIP Advances</i> , 2018, 8, 095304.	0.6	1
79	Influence of Annealing Temperature on Structural, Morphological, Optical and Electrical Properties of Sol-Gel SnO ₂ Thin Films. <i>Journal of Nano Research</i> , 2018, 52, 15-20.	0.8	1
80	Co-effects of doping concentration and sintering temperature on structure and photoluminescence properties of sol-gel Y ₃ X ₂ Ce _X Al ₅ O ₁₂ powder. <i>Materials Research Express</i> , 2019, 6, 086202.	0.8	1
81	Effect of Sn-Doped Concentration on Structural, Optical and Electrical Properties of ZnO:Sn (TZO) Thin Films Prepared by Sol-Gel Method. <i>Nanoscience and Nanotechnology Letters</i> , 2017, 9, 1539-1543.	0.4	1
82	Regulations of aging time on optical properties of nano-crystalline ZnO thin films fabricated by sol-gel method. <i>Functional Materials Letters</i> , 2017, 10, 1750024.	0.7	0
83	Deposition time effects on optical gap, dark conductivity and X-ray photoresponse properties of thermal evaporated a-Se thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 19256-19263.	1.1	0
84	Achiral Metasurfaces-Induced Circular Polarization Differential Transmittance. , 2021, , .		0
85	Dynamic conversion between bound states in the continuum (BIC) and quasi-BIC supported by terahertz metal metasurfaces. , 2021, , .		0
86	Hybrid tunable chiral metasurfaces for amplitude and wavefront control of circularly polarized terahertz wave. , 2020, , .		0