

Ding Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,397
citations

331670

21
h-index

330143

37
g-index

52
all docs

52
docs citations

52
times ranked

1758
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal photonics boosts radiative cooling. <i>Light: Science and Applications</i> , 2022, 11, 35.	16.6	2
2	Recording Messages on Nonplanar Objects by Cryogenic Electron-Beam Writing. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	5
3	3D Nanoprinting by Electron-Beam with an Ice Resist. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 1652-1658.	8.0	4
4	Plasma-Assisted Microcontact Printing. <i>ACS Applied Materials & Interfaces</i> , 2022, , .	8.0	0
5	Ice-assisted electron-beam lithography for MoS ₂ transistors with extremely low-energy electrons. <i>Nanoscale Advances</i> , 2022, 4, 2479-2483.	4.6	1
6	Theoretical modeling of ice lithography on amorphous solid water. <i>Nanoscale</i> , 2022, 14, 9045-9052.	5.6	4
7	Lithographic properties of amorphous solid water upon exposure to electrons. <i>Applied Surface Science</i> , 2021, 539, 148265.	6.1	6
8	Electron-Beam Irradiation Induced Regulation of Surface Defects in Lead Halide Perovskite Thin Films. <i>Research</i> , 2021, 2021, 9797058.	5.7	9
9	Direct assembly of nanowires by electron beam-induced dielectrophoresis. <i>Nanotechnology</i> , 2021, 32, 415602.	2.6	1
10	High-Throughput Wafer-Scale Wrinkle Patterning: a Single-Step Fabrication Process and Applications for Tunable Optical Transmittance. <i>ACS Applied Electronic Materials</i> , 2021, 3, 3200-3206.	4.3	3
11	MEMS inductor fabrication and emerging applications in power electronics and neurotechnologies. <i>Microsystems and Nanoengineering</i> , 2021, 7, 59.	7.0	39
12	Quasi-Random Gratings Enabled by Wrinkled Photoresist Surfaces on a Rigid Substrate. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49535-49541.	8.0	2
13	Solvent-Free Nanofabrication Based on Ice-Assisted Electron-Beam Lithography. <i>Nano Letters</i> , 2020, 20, 8841-8846.	9.1	31
14	Direct electron-beam patterning of monolayer MoS ₂ with ice. <i>Nanoscale</i> , 2020, 12, 22473-22477.	5.6	13
15	Development of an in-situ nanofabrication instrument for ice lithography. <i>Microelectronic Engineering</i> , 2020, 224, 111251.	2.4	10
16	Electron-Beam Patterning of Vapor-Deposited Solid Anisole. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 6436-6441.	8.0	14
17	Towards Nanoscale 3d Printing of Pdms-Like Polymers. , 2019, , .		0
18	Active control of anapole states by structuring the phase-change alloy Ge ₂ Sb ₂ Te ₅ . <i>Nature Communications</i> , 2019, 10, 396.	12.8	162

#	ARTICLE	IF	CITATIONS
19	Ice lithography for 3D nanofabrication. Science Bulletin, 2019, 64, 865-871.	9.0	38
20	Gain-Assisted Plasmon Resonance Narrowing and Its Application in Sensing. Physical Review Applied, 2019, 11, .	3.8	21
21	Large Area Three-Dimensional Photonic Crystal Membranes: Single-Run Fabrication and Applications with Embedded Planar Defects. Advanced Optical Materials, 2019, 7, 1801176.	7.3	17
22	Effect of Molecular Weight on the Feature Size in Organic Ice Resists. Nano Letters, 2018, 18, 7576-7582.	9.1	13
23	Three-Dimensional in Situ Electron-Beam Lithography Using Water Ice. Nano Letters, 2018, 18, 5036-5041.	9.1	46
24	Tunable narrowband mid-infrared thermal emitter with a bilayer cavity enhanced Tamm plasmon. Optics Letters, 2018, 43, 5230.	3.3	34
25	Mode Modification of Plasmonic Gap Resonances Induced by Strong Coupling with Molecular Excitons. Nano Letters, 2017, 17, 3246-3251.	9.1	60
26	Strongly enhanced molecular fluorescence with ultra-thin optical magnetic mirror metasurfaces. Optics Letters, 2017, 42, 4478.	3.3	12
27	Ultra-broad band absorber made by tungsten and aluminium. Journal of Physics: Conference Series, 2016, 680, 012039.	0.4	0
28	Spatially and Spectrally Resolved Narrowband Optical Absorber Based on 2D Grating Nanostructures on Metallic Films. Advanced Optical Materials, 2016, 4, 480-486.	7.3	94
29	Laser-induced single point nanowelding of silver nanowires. Applied Physics Letters, 2016, 108, .	3.3	43
30	Transmission enhancement based on strong interference in metal-semiconductor layered film for energy harvesting. Scientific Reports, 2016, 6, 29195.	3.3	14
31	Narrowband Absorbers: Spatially and Spectrally Resolved Narrowband Optical Absorber Based on 2D Grating Nanostructures on Metallic Films (Advanced Optical Materials 3/2016). Advanced Optical Materials, 2016, 4, 488-488.	7.3	1
32	Angle Robust Reflection/Transmission Plasmonic Filters Using Ultrathin Metal Patch Array. Advanced Optical Materials, 2016, 4, 1981-1986.	7.3	44
33	Large third-order nonlinear refractive index coefficient based on gold nanoparticle aggregate films. Applied Physics Letters, 2015, 107, .	3.3	29
34	Controlling wave-vector of propagating surface plasmon polaritons on single-crystalline gold nanoplates. Scientific Reports, 2015, 5, 13424.	3.3	13
35	Nanowelding through plasmonic enhanced photothermal effects. , 2015, , .		0
36	Universal scaling behavior of the temperature increase of a heat nanoparticle on a substrate. Journal of Nanophotonics, 2015, 9, 093046.	1.0	0

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37	Plasmonic sectoral horn nanoantennas. Optics Letters, 2014, 39, 3204.	3.3	28
38	Grating-assisted enhanced optical transmission through a seamless gold film. Optics Express, 2014, 22, 5416.	3.4	21
39	Ultra-narrow-band light dissipation by a stack of lamellar silver and alumina. Applied Physics Letters, 2014, 104, .	3.3	100
40	Film-coupled log-periodic optical antennas for near-infrared light absorption. , 2014, , .		0
41	Photothermal Enhancement in Core-Shell Structured Plasmonic Nanoparticles. Plasmonics, 2014, 9, 623-630.	3.4	38
42	Ordered Au nanocrystals on a substrate formed by light-induced rapid annealing. Nanoscale, 2014, 6, 1756-1762.	5.6	35
43	Multi-narrowband absorber based on subwavelength grating structure. Optics Communications, 2014, 331, 310-315.	2.1	17
44	Plasmonic enhanced photothermal effects and its applications. , 2014, , .		0
45	Optimized grating as an ultra-narrow band absorber or plasmonic sensor. Optics Letters, 2014, 39, 1137.	3.3	162
46	Gold nanoparticle transfer through photothermal effects in a metamaterial absorber by nanosecond laser. Scientific Reports, 2014, 4, 6080.	3.3	7
47	Double-sided polarization-independent plasmonic absorber at near-infrared region. Optics Express, 2013, 21, 13125.	3.4	31
48	Realization of an extraordinary transmission window for a seamless Ag film based on metal-insulator-metal structures. Applied Physics Letters, 2013, 102, 201109.	3.3	15
49	Nanostructured plasmonic devices and their applications. , 2013, , .		0
50	Near-infrared broadband absorber with film-coupled multilayer nanorods. Optics Letters, 2013, 38, 2247.	3.3	68
51	Polarization-sensitive perfect absorbers at near-infrared wavelengths: Erratum. Optics Express, 2013, 21, A229.	3.4	9
52	Polarization-sensitive perfect absorbers at near-infrared wavelengths. Optics Express, 2013, 21, A111.	3.4	81