

# Ding Zhao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1956799/publications.pdf>

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	Optimized grating as an ultra-narrow band absorber or plasmonic sensor. Optics Letters, 2014, 39, 1137.	3.3	162
2	Active control of anapole states by structuring the phase-change alloy Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> . Nature Communications, 2019, 10, 396.	12.8	162
3	Ultra-narrow-band light dissipation by a stack of lamellar silver and alumina. Applied Physics Letters, 2014, 104, .	3.3	100
4	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
5	Polarization-sensitive perfect absorbers at near-infrared wavelengths. Optics Express, 2013, 21, A111.	3.4	81
6	Near-infrared broadband absorber with film-coupled multilayer nanorods. Optics Letters, 2013, 38, 2247.	3.3	68
7	Mode Modification of Plasmonic Gap Resonances Induced by Strong Coupling with Molecular Excitons. Nano Letters, 2017, 17, 3246-3251.	9.1	60
8	Three-Dimensional in Situ Electron-Beam Lithography Using Water Ice. Nano Letters, 2018, 18, 5036-5041.	9.1	46
9	Angle Robust Reflection/Transmission Plasmonic Filters Using Ultrathin Metal Patch Array. Advanced Optical Materials, 2016, 4, 1981-1986.	7.3	44
10	Laser-induced single point nanowelding of silver nanowires. Applied Physics Letters, 2016, 108, .	3.3	43
11	MEMS inductor fabrication and emerging applications in power electronics and neurotechnologies. Microsystems and Nanoengineering, 2021, 7, 59.	7.0	39
12	Photothermal Enhancement in Core-Shell Structured Plasmonic Nanoparticles. Plasmonics, 2014, 9, 623-630.	3.4	38
13	Ice lithography for 3D nanofabrication. Science Bulletin, 2019, 64, 865-871.	9.0	38
14	Ordered Au nanocrystals on a substrate formed by light-induced rapid annealing. Nanoscale, 2014, 6, 1756-1762.	5.6	35
15	Tunable narrowband mid-infrared thermal emitter with a bilayer cavity enhanced Tamm plasmon. Optics Letters, 2018, 43, 5230.	3.3	34
16	Double-sided polarization-independent plasmonic absorber at near-infrared region. Optics Express, 2013, 21, 13125.	3.4	31
17	Solvent-Free Nanofabrication Based on Ice-Assisted Electron-Beam Lithography. Nano Letters, 2020, 20, 8841-8846.	9.1	31
18	Large third-order nonlinear refractive index coefficient based on gold nanoparticle aggregate films. Applied Physics Letters, 2015, 107, .	3.3	29

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19	Plasmonic sectoral horn nanoantennas. <i>Optics Letters</i> , 2014, 39, 3204.	3.3	28
20	Grating-assisted enhanced optical transmission through a seamless gold film. <i>Optics Express</i> , 2014, 22, 5416.	3.4	21
21	Gain-Assisted Plasmon Resonance Narrowing and Its Application in Sensing. <i>Physical Review Applied</i> , 2019, 11, .	3.8	21
22	Multi-narrowband absorber based on subwavelength grating structure. <i>Optics Communications</i> , 2014, 331, 310-315.	2.1	17
23	Large Area Three-Dimensional Photonic Crystal Membranes: Single-Run Fabrication and Applications with Embedded Planar Defects. <i>Advanced Optical Materials</i> , 2019, 7, 1801176.	7.3	17
24	Realization of an extraordinary transmission window for a seamless Ag film based on metal-insulator-metal structures. <i>Applied Physics Letters</i> , 2013, 102, 201109.	3.3	15
25	Transmission enhancement based on strong interference in metal-semiconductor layered film for energy harvesting. <i>Scientific Reports</i> , 2016, 6, 29195.	3.3	14
26	Electron-Beam Patterning of Vapor-Deposited Solid Anisole. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 6436-6441.	8.0	14
27	Controlling wave-vector of propagating surface plasmon polaritons on single-crystalline gold nanoplates. <i>Scientific Reports</i> , 2015, 5, 13424.	3.3	13
28	Effect of Molecular Weight on the Feature Size in Organic Ice Resists. <i>Nano Letters</i> , 2018, 18, 7576-7582.	9.1	13
29	Direct electron-beam patterning of monolayer MoS <sub>2</sub> with ice. <i>Nanoscale</i> , 2020, 12, 22473-22477.	5.6	13
30	Strongly enhanced molecular fluorescence with ultra-thin optical magnetic mirror metasurfaces. <i>Optics Letters</i> , 2017, 42, 4478.	3.3	12
31	Development of an in-situ nanofabrication instrument for ice lithography. <i>Microelectronic Engineering</i> , 2020, 224, 111251.	2.4	10
32	Polarization-sensitive perfect absorbers at near-infrared wavelengths: Erratum. <i>Optics Express</i> , 2013, 21, A229.	3.4	9
33	Electron-Beam Irradiation Induced Regulation of Surface Defects in Lead Halide Perovskite Thin Films. <i>Research</i> , 2021, 2021, 9797058.	5.7	9
34	Gold nanoparticle transfer through photothermal effects in a metamaterial absorber by nanosecond laser. <i>Scientific Reports</i> , 2014, 4, 6080.	3.3	7
35	Lithographic properties of amorphous solid water upon exposure to electrons. <i>Applied Surface Science</i> , 2021, 539, 148265.	6.1	6
36	Recording Messages on Nonplanar Objects by Cryogenic Electron-Beam Writing. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	5

#	ARTICLE	IF	CITATIONS
37	3D Nanoprinting by Electron-Beam with an Ice Resist. ACS Applied Materials & Interfaces, 2022, 14, 1652-1658.	8.0	4
38	Theoretical modeling of ice lithography on amorphous solid water. Nanoscale, 2022, 14, 9045-9052.	5.6	4
39	High-Throughput Wafer-Scale Wrinkle Patterning: a Single-Step Fabrication Process and Applications for Tunable Optical Transmittance. ACS Applied Electronic Materials, 2021, 3, 3200-3206.	4.3	3
40	Quasi-Random Gratings Enabled by Wrinkled Photoresist Surfaces on a Rigid Substrate. ACS Applied Materials & Interfaces, 2021, 13, 49535-49541.	8.0	2
41	Thermal photonics boosts radiative cooling. Light: Science and Applications, 2022, 11, 35.	16.6	2
42	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
43	Direct assembly of nanowires by electron beam-induced dielectrophoresis. Nanotechnology, 2021, 32, 415602.	2.6	1
44	Ice-assisted electron-beam lithography for MoS <sub>2</sub> transistors with extremely low-energy electrons. Nanoscale Advances, 2022, 4, 2479-2483.	4.6	1
45	Nanostructured plasmonic devices and their applications. , 2013, , .		0
46	Film-coupled log-periodic optical antennas for near-infrared light absorption. , 2014, , .		0
47	Plasmonic enhanced photothermal effects and its applications. , 2014, , .		0
48	Nanowelding through plasmonic enhanced photothermal effects. , 2015, , .		0
49	Universal scaling behavior of the temperature increase of a heat nanoparticle on a substrate. Journal of Nanophotonics, 2015, 9, 093046.	1.0	0
50	Ultra-broad band absorber made by tungsten and aluminium. Journal of Physics: Conference Series, 2016, 680, 012039.	0.4	0
51	Towards Nanoscale 3d Printing of Pdms-Like Polymers. , 2019, , .		0
52	Plasma-Assisted Microcontact Printing. ACS Applied Materials & Interfaces, 2022, , .	8.0	0