

Chenghao Wan

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

582
citations

840776

11
h-index

713466

21
g-index

27
all docs

27
docs citations

27
times ranked

833
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Optical Properties of Thin-Film Vanadium Dioxide from the Visible to the Far Infrared. <i>Annalen Der Physik</i> , 2019, 531, 1900188.	2.4	135
2	Evolution of Metallicity in Vanadium Dioxide by Creation of Oxygen Vacancies. <i>Physical Review Applied</i> , 2017, 7, .	3.8	88
3	Epsilon-Near-Zero Substrate Engineering for Ultrathin-Film Perfect Absorbers. <i>Physical Review Applied</i> , 2017, 8, .	3.8	88
4	Temperature-independent thermal radiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26402-26406.	7.1	69
5	Limiting Optical Diodes Enabled by the Phase Transition of Vanadium Dioxide. <i>ACS Photonics</i> , 2018, 5, 2688-2692.	6.6	43
6	Measuring Thermal Emission Near Room Temperature Using Fourier-Transform Infrared Spectroscopy. <i>Physical Review Applied</i> , 2019, 11, .	3.8	29
7	Precision Measurements of Temperature-Dependent and Nonequilibrium Thermal Emitters. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900443.	8.7	26
8	Ultrathin Broadband Reflective Optical Limiter. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100001.	8.7	20
9	Mid-infrared Optics Using Dielectrics with Refractive Indices Below Unity. <i>Physical Review Applied</i> , 2018, 10, .	3.8	15
10	Switchable Induced-Transmission Filters Enabled by Vanadium Dioxide. <i>Nano Letters</i> , 2022, 22, 6-13.	9.1	15
11	Flat Optical and Plasmonic Devices Using Area-Selective Ion-Beam Doping of Silicon. <i>Advanced Optical Materials</i> , 2018, 6, 1701027.	7.3	12
12	Tuning carrier density and phase transitions in oxide semiconductors using focused ion beams. <i>Nanophotonics</i> , 2022, 11, 3923-3932.	6.0	10
13	Design considerations for the enhancement of human color vision by breaking binocular redundancy. <i>Scientific Reports</i> , 2018, 8, 11971.	3.3	8
14	Depth Thermography: Noninvasive 3D Temperature Profiling Using Infrared Thermal Emission. <i>ACS Photonics</i> , 2020, 7, 853-860.	6.6	8
15	Passive frequency conversion of ultraviolet images into the visible using perovskite nanocrystals. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 054001.	2.2	4
16	Infrared Polarizer Based on Direct Coupling to Surface Plasmon Polaritons. <i>Nano Letters</i> , 2020, 20, 8483-8486.	9.1	3
17	Using Bottom-Up Lithography and Optical Nonlocality to Create Short-Wave Infrared Plasmonic Resonances in Graphene. <i>ACS Photonics</i> , 2021, 8, 1277-1285.	6.6	3
18	Planck Spectroscopy. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100121.	8.7	2

#	ARTICLE	IF	CITATIONS
19	Fast recovery of ion-irradiation-induced defects in Ge ₂ Sb ₂ Te ₅ thin films at room temperature. Optical Materials Express, 2021, 11, 3535.	3.0	2
20	Embedded Optics: Flat Optical and Plasmonic Devices Using Area-Selective Ion-Beam Doping of Silicon (Advanced Optical Materials 5/2018). Advanced Optical Materials, 2018, 6, 1870019.	7.3	1
21	Comment on "Electromagnetic force on structured metallic surfaces". Physical Review B, 2022, 105, .	3.2	1
22	Monolithic Doped-Semiconductor Platform for Optical Devices in the Infrared. , 2018, , .		0
23	Tunable Infrared Optics Enabled by Defect-Engineering of Vanadium Dioxide Using Focused Ion Beam. , 2021, , .		0
24	Nonlinear optical isolators based on thin-film vanadium dioxide and metallic frequency-selective surfaces. , 2020, , .		0
25	Optical power limiters based on frequency-selective surfaces and phase-transition materials. , 2020, , .		0
26	Engineering Optical Materials Using Focused Ion Beams. , 2021, , .		0