

Chih-Ming Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3631669/publications.pdf>

Version: 2024-02-01

71
papers

4,163
citations

430874

18
h-index

168389

53
g-index

71
all docs

71
docs citations

71
times ranked

4296
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmon Tuning of Liquid Gallium Nanoparticles through Surface Anodization. <i>Materials</i> , 2022, 15, 2145.	2.9	6
2	Review of Metasurfaces and Metadevices: Advantages of Different Materials and Fabrications. <i>Nanomaterials</i> , 2022, 12, 1973.	4.1	19
3	Refractive and Meta-Optics Hybrid System. <i>Journal of Lightwave Technology</i> , 2021, 39, 6880-6885.	4.6	6
4	Scattering Analysis and Efficiency Optimization of Dielectric Pancharatnamâ€“Berry-Phase Metasurfaces. <i>Nanomaterials</i> , 2021, 11, 586.	4.1	5
5	Enhanced Heat-Electric Conversion via Photonic-Assisted Radiative Cooling. <i>Nanomaterials</i> , 2021, 11, 983.	4.1	5
6	Influence of electrode materials on molybdenum oxide/n-Si photodetectors. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 045101.	2.8	0
7	Angular-insensitive optical filtering based on meta-GMR. <i>Optics Express</i> , 2020, 28, 18018.	3.4	2
8	Temporal and Spatial Modification of Thermal Radiation. , 2019, , .		0
9	Efficiency evaluation of a hybrid miniaturized concentrated photovoltaic for harvesting direct/diffused solar light. <i>Journal of Optics (United Kingdom)</i> , 2019, 21, 035901.	2.2	2
10	Second Harmonic Light Manipulation with Vertical Split Ring Resonators. <i>Advanced Materials</i> , 2019, 31, e1806479.	21.0	44
11	Visible Metasurfaces for On-Chip Polarimetry. <i>ACS Photonics</i> , 2018, 5, 2568-2573.	6.6	114
12	Passive temperature control based on a phase change metasurface. <i>Scientific Reports</i> , 2018, 8, 7684.	3.3	54
13	Global solution of achromatic Total Internal Reflection prism in projection system. <i>Optics Communications</i> , 2018, 428, 144-151.	2.1	3
14	Material-assisted metamaterial: a new dimension to create functional metamaterial. <i>Scientific Reports</i> , 2017, 7, 42076.	3.3	5
15	Plasmonic meta-holograms (Conference Presentation). , 2017, , .		0
16	Efficiency evaluation of hybrid concentrated photovoltaic under direct and diffuse illumination. , 2017, , .		0
17	Quasi-coherent thermal radiation with multiple resonant plasmonic cavities. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	9
18	Visible light active photocatalyst from recycled disposable heating pads. <i>Journal of Nanophotonics</i> , 2016, 10, 016016.	1.0	0

#	ARTICLE	IF	CITATIONS
19	Lambertian thermal emitter based on plasmonic enhanced absorption. Optics Express, 2016, 24, 18382.	3.4	10
20	Anomalous reflection from metasurfaces with gradient phase distribution below 2λ . Applied Physics Express, 2016, 9, 072502.	2.4	13
21	Optically reconfigurable metasurfaces and photonic devices based on phase change materials. Nature Photonics, 2016, 10, 60-65.	31.4	918
22	Aluminum Plasmonic Multicolor Meta-Hologram. Nano Letters, 2015, 15, 3122-3127.	9.1	483
23	Plasmonic Metasurface for Color Hologram. , 2015, , .		0
24	Graphene oxide as the passivation layer for Cu ₂ O photocatalyst on a plasmonic Au film and the corresponding photoluminescence study. Optics Express, 2015, 23, A1245.	3.4	10
25	Reflective plasmonic metasurface and metahologram. , 2015, , .		0
26	Omnidirectional thermal emitter based on plasmonic nanoantenna arrays. Optics Express, 2014, 22, 1313.	3.4	11
27	Dielectric function dependence on temperature for Au and Ag. Japanese Journal of Applied Physics, 2014, 53, 08MG02.	1.5	15
28	A Polarization Control System for Intensity-Resolved Guided Mode Resonance Sensors. Sensors, 2014, 14, 5198-5206.	3.8	11
29	Reflective Metasurface and Plasmonic Hologram Application. , 2014, , .		0
30	Optical properties of InGaN/GaN multiquantum wells light-emitting diode with one-dimensional Au nanoparticle grating. Journal of Nanophotonics, 2014, 8, 084097.	1.0	0
31	Photocorrosion of plasmonic enhanced Cu ₂ O photocatalyst. Journal of Nanophotonics, 2014, 8, 084095.	1.0	14
32	Polarization controlled colorful images reconstructed by reflective meta-hologram. Proceedings of SPIE, 2014, , .	0.8	0
33	High-Efficiency Broadband Meta-Hologram with Polarization-Controlled Dual Images. Nano Letters, 2014, 14, 225-230.	9.1	655
34	Free-Space Plasmonic Filter with Dual-Resonance Wavelength Using Asymmetric T-Shaped Metallic Array. Plasmonics, 2013, 8, 385-390.	3.4	10
35	Plasmonic Infrared Bandstop Reflective Filter. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 4601005-4601005.	2.9	8
36	Surface Plasmon assisted Cu ₂ O photocatalyst for pure water splitting. Optics Express, 2013, 21, A221.	3.4	15

#	ARTICLE	IF	CITATIONS
37	Efficiency Improvement of HIT Solar Cells on p-Type Si Wafers. <i>Materials</i> , 2013, 6, 5440-5446.	2.9	23
38	Polarization dependent light extraction of a GaN light emitting diode using dark field angle-resolved photoluminescence spectrometry. <i>Optics Express</i> , 2012, 20, 17952.	3.4	7
39	Sensitive metal layer assisted guided mode resonance biosensor with a spectrum inversed response and strong asymmetric resonance field distribution. <i>Optics Express</i> , 2012, 20, 14584.	3.4	55
40	High-Efficiency Broadband Anomalous Reflection by Gradient Meta-Surfaces. <i>Nano Letters</i> , 2012, 12, 6223-6229.	9.1	1,120
41	Angle-independent plasmonic infrared band-stop reflective filter based on the Ag/SiO ₂ /Ag T-shaped array. <i>Optics Letters</i> , 2011, 36, 1440.	3.3	24
42	High concentration and homogenized Fresnel lens without secondary optics element. <i>Optics Communications</i> , 2011, 284, 4283-4288.	2.1	33
43	Three-Terminal Amorphous Silicon Solar Cells. <i>International Journal of Photoenergy</i> , 2011, 2011, 1-5.	2.5	8
44	Functional imprinting structures on GaN-based light-emitting diodes for light pattern modulation and light extraction efficiency enhancement. <i>Optical Review</i> , 2010, 17, 379-384.	2.0	5
45	Impedance-Matching Surface Plasmon Absorber for FDTD Simulations. <i>Plasmonics</i> , 2010, 5, 51-55.	3.4	7
46	Characterization of the Localized Surface Plasmon Ploariton Mode in Ag/SiO ₂ /Ag T-shaped Array. , 2010, , .		0
47	Spatial distribution of absorption in plasmonic thin film solar cells. <i>Optics Express</i> , 2010, 18, 11763.	3.4	24
48	Optical properties of light emitting diodes with a cascading plasmonic grating. <i>Optics Express</i> , 2010, 18, 25608.	3.4	2
49	Enhancing the resonance quality factor in membrane-type resonant grating waveguides. <i>Optics Letters</i> , 2010, 35, 4199.	3.3	18
50	Single stage transmission type broadband solar concentrator. <i>Optics Express</i> , 2010, 18, A118.	3.4	11
51	Integration of Non-Lambertian LED and Reflective Optical Element as Efficient Street Lamp. <i>Optics Express</i> , 2010, 18, A221.	3.4	17
52	New collection systems for multi LED light engines. <i>Optical Review</i> , 2009, 16, 318-322.	2.0	4
53	Plasmonic multilayer structure for ultrathin amorphous silicon film photovoltaic cell. <i>Optical Review</i> , 2009, 16, 343-346.	2.0	13
54	Spatial filtering by using cascading plasmonic gratings. <i>Optics Express</i> , 2009, 17, 6218.	3.4	7

#	ARTICLE	IF	CITATIONS
55	T-shaped plasmonic array as a narrow-band thermal emitter or biosensor. Optics Express, 2009, 17, 13526.	3.4	51
56	Monolithic integration of elliptic-symmetry diffractive optical element on silicon-based 45° micro-reflector. Optics Express, 2009, 17, 20938.	3.4	17
57	Monolithic Integration of Diffractive Optical Element on Silicon 45-Degree Micro-reflector. , 2009, , .		0
58	High efficiency pocket-size projector with a compact projection lens and a light emitting diode-based light source system. Applied Optics, 2008, 47, 3406.	2.1	47
59	Transmission Enhancement through Single Slit Embedded in Plasmonic Multilayer Structure. Japanese Journal of Applied Physics, 2008, 47, 6713-6715.	1.5	0
60	Design of Wide-Angle Low-Loss Waveguide Bends Using Phase-Compensated Effective Microprism. Japanese Journal of Applied Physics, 2007, 46, 5426.	1.5	2
61	Homogenized LED-illumination using microlens arrays for a pocket-sized projector. Optics Express, 2007, 15, 10483.	3.4	95
62	Reflection and emission properties of an infrared emitter. Optics Express, 2007, 15, 14673.	3.4	57
63	Silicon-based and suspended-membrane-type guided-mode resonance filters with a spectrum-modifying layer design. Optics Letters, 2006, 31, 3333.	3.3	14
64	Bulk-micromachined optical filter based on guided-mode resonance in silicon-nitride membrane. Journal of Lightwave Technology, 2006, 24, 1922-1928.	4.6	29
65	Silicon-based micro and subwavelength optical elements and applications. , 2006, , .		3
66	Fabrication and tolerance reduction of a Si-based pickup module for optical storage. Optical Engineering, 2006, 45, 074601.	1.0	3
67	Realization of free-space optical pickup head with stacked Si-based phase elements. IEEE Photonics Technology Letters, 2005, 17, 214-216.	2.5	16
68	Highly efficient anomalous reflection by an optical metasurface. SPIE Newsroom, 0, , .	0.1	1
69	Meta-holograms for colorful image storage. SPIE Newsroom, 0, , .	0.1	0
70	A general case of the overall phase modulation thought a dielectric PB-phase metasuraface. OSA Continuum, 0, , .	1.8	3
71	Off-axis focusing by using nanoimprinted dielectric metasurface with free-form phase distribution. OSA Continuum, 0, , .	1.8	0