

Dengxin Ji

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,679
citations

623574

14
h-index

752573

20
g-index

31
all docs

31
docs citations

31
times ranked

2972
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmonic Interferometer Array Biochip as a New Mobile Medical Device for Cancer Detection. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-7.	1.9	21
2	Iridescence-controlled and flexibly tunable retroreflective structural color film for smart displays. Science Advances, 2019, 5, eaaw8755.	4.7	116
3	Enhanced Light-Matter Interaction: Light-Matter Interaction within Extreme Dimensions: From Nanomanufacturing to Applications (Advanced Optical Materials 18/2018). Advanced Optical Materials, 2018, 6, 1870072.	3.6	0
4	Light-Matter Interaction within Extreme Dimensions: From Nanomanufacturing to Applications. Advanced Optical Materials, 2018, 6, 1800444.	3.6	22
5	Sensors: Superabsorbing Metasurfaces with Hybrid Ag-Au Nanostructures for Surface-Enhanced Raman Spectroscopy Sensing of Drugs and Chemicals (Small Methods 7/2018). Small Methods, 2018, 2, 1800037.	4.6	0
6	Superabsorbing Metasurfaces with Hybrid Ag-Au Nanostructures for Surface-Enhanced Raman Spectroscopy Sensing of Drugs and Chemicals. Small Methods, 2018, 2, 1800045.	4.6	29
7	Dispersion Topological Darkness at Multiple Wavelengths and Polarization States. Advanced Optical Materials, 2017, 5, 1700166.	3.6	12
8	Frozen "Tofu" Effect: Engineered Pores of Hydrophilic Nanoporous Materials. ACS Omega, 2017, 2, 4838-4844.	1.6	7
9	Efficient Mid-Infrared Light Confinement within Sub-5-nm Gaps for Extreme Field Enhancement. Advanced Optical Materials, 2017, 5, 1700223.	3.6	39
10	Ultra-broadband enhancement of nonlinear optical processes from randomly patterned super absorbing metasurfaces. Scientific Reports, 2017, 7, 4346.	1.6	11
11	Publisher's note: Broadband absorption enhancement in organic solar cells using refractory plasmonic ceramics. Journal of Nanophotonics, 2017, 11, 019901.	0.4	0
12	Self-assembly of highly efficient, broadband plasmonic absorbers for solar steam generation. Science Advances, 2016, 2, e1501227.	4.7	1,025
13	Erratum to "Dielectric-Grating-Coupled Surface Plasmon Resonance From the Back Side of the Metal Film for Ultrasensitive Sensing". IEEE Photonics Journal, 2016, 8, 1-1.	1.0	0
14	Thermally Diffused Al:ZnO Thin Films for Broadband Transparent Conductor. ACS Applied Materials & Interfaces, 2016, 8, 3985-3991.	4.0	41
15	Dielectric-Grating-Coupled Surface Plasmon Resonance From the Back Side of the Metal Film for Ultrasensitive Sensing. IEEE Photonics Journal, 2016, 8, 1-7.	1.0	22
16	Phase change dispersion during surface plasmon coupling via nano-objects. , 2015, , .		0
17	Phase change dispersion of plasmonic nano-objects. Scientific Reports, 2015, 5, 12665.	1.6	8
18	Ultrabroadband Metasurface for Efficient Light Trapping and Localization: A Universal Surface-Enhanced Raman Spectroscopy Substrate for All-Excitation Wavelengths. Advanced Materials Interfaces, 2015, 2, 1500142.	1.9	58

#	ARTICLE	IF	CITATIONS
19	Surface enhanced nonlinear optics via lithography-free metasurfaces. , 2015, , .		0
20	Coupled and decoupled super absorbing metasurfaces depending on spacer thickness. , 2015, , .		0
21	Super Absorbing Ultraviolet Metasurface. IEEE Photonics Technology Letters, 2015, 27, 1539-1542.	1.3	18
22	Optical Absorbers: Nanocavity Enhancement for Ultra-Thin Film Optical Absorber (Adv. Mater. 17/2014). Advanced Materials, 2014, 26, 2736-2736.	11.1	0
23	Refractive index engineering of metal-dielectric nanocomposite thin films for optical super absorber. Applied Physics Letters, 2014, 104, 203112.	1.5	30
24	Holographic Photopolymer Linear Variable Filter with Enhanced Blue Reflection. ACS Applied Materials & Interfaces, 2014, 6, 3081-3087.	4.0	14
25	Broadband absorption engineering of hyperbolic metafilm patterns. Scientific Reports, 2014, 4, 4498.	1.6	157
26	Efficient end-fire coupling of surface plasmons on flat metal surfaces for improved plasmonic Mach-Zehnder interferometer. Journal of Applied Physics, 2013, 113, .	1.1	21
27	A metal-insulator-metal plasmonic Mach-Zehnder interferometer array for multiplexed sensing. Journal of Applied Physics, 2013, 113, 133102.	1.1	25