

Xingjie Ni

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1151658/publications.pdf>

Version: 2024-02-01

59
papers

7,274
citations

304602

22
h-index

414303

32
g-index

61
all docs

61
docs citations

61
times ranked

7446
citing authors

#	ARTICLE	IF	CITATIONS
1	Broadband Light Bending with Plasmonic Nanoantennas. <i>Science</i> , 2012, 335, 427-427.	6.0	1,291
2	Metasurface holograms for visible light. <i>Nature Communications</i> , 2013, 4, .	5.8	1,167
3	An ultrathin invisibility skin cloak for visible light. <i>Science</i> , 2015, 349, 1310-1314.	6.0	924
4	Loss-free and active optical negative-index metamaterials. <i>Nature</i> , 2010, 466, 735-738.	13.7	729
5	Ultra-thin, planar, Babinet-inverted plasmonic metalenses. <i>Light: Science and Applications</i> , 2013, 2, e72-e72.	7.7	576
6	Titanium nitride as a plasmonic material for visible and near-infrared wavelengths. <i>Optical Materials Express</i> , 2012, 2, 478.	1.6	567
7	Monolayer excitonic laser. <i>Nature Photonics</i> , 2015, 9, 733-737.	15.6	492
8	Electrically Tunable Damping of Plasmonic Resonances with Graphene. <i>Nano Letters</i> , 2012, 12, 5202-5206.	4.5	301
9	Optical meta-waveguides for integrated photonics and beyond. <i>Light: Science and Applications</i> , 2021, 10, 235.	7.7	196
10	Nonreciprocal metasurface with space-time phase modulation. <i>Light: Science and Applications</i> , 2019, 8, 123.	7.7	146
11	Loss-compensated and active hyperbolic metamaterials. <i>Optics Express</i> , 2011, 19, 25242.	1.7	126
12	Metasurface-Enabled Remote Quantum Interference. <i>Physical Review Letters</i> , 2015, 115, 025501.	2.9	116
13	Optical Metasurfaces: Progress and Applications. <i>Annual Review of Materials Research</i> , 2018, 48, 279-302.	4.3	111
14	Feedback-driven self-assembly of symmetry-breaking optical metamaterials in solution. <i>Nature Nanotechnology</i> , 2014, 9, 1002-1006.	15.6	79
15	Molding free-space light with guided wave-driven metasurfaces. <i>Science Advances</i> , 2020, 6, eabb4142.	4.7	66
16	Effect of metallic and hyperbolic metamaterial surfaces on electric and magnetic dipole emission transitions. <i>Applied Physics B: Lasers and Optics</i> , 2011, 103, 553-558.	1.1	63
17	Nonlinear Chiral Meta-Mirrors: Enabling Technology for Ultrafast Switching of Light Polarization. <i>Nano Letters</i> , 2020, 20, 2047-2055.	4.5	56
18	Experimental Demonstration of In-Plane Negative-Angle Refraction with an Array of Silicon Nanoposts. <i>Nano Letters</i> , 2015, 15, 2055-2060.	4.5	35

#	ARTICLE	IF	CITATIONS
19	Metasurface-Dressed Two-Dimensional on-Chip Waveguide for Free-Space Light Field Manipulation. ACS Photonics, 2022, 9, 398-404.	3.2	34
20	Research of a novel fiber Bragg grating underwater acoustic sensor. Sensors and Actuators A: Physical, 2007, 138, 76-80.	2.0	32
21	On-chip optical levitation with a metalens in vacuum. Optica, 2021, 8, 1359.	4.8	29
22	Bianisotropic Effective Parameters of Optical Metamagnetics and Negative-Index Materials. Proceedings of the IEEE, 2011, 99, 1691-1700.	16.4	25
23	Electrodynamical Light Trapping Using Whispering-Gallery Resonances in Hyperbolic Cavities. Physical Review X, 2014, 4, .	2.8	19
24	The validation of the parallel three-dimensional solver for analysis of optical plasmonic bi-periodic multilayer nanostructures. Applied Physics A: Materials Science and Processing, 2010, 100, 365-374.	1.1	17
25	Design of random and sparse metalens with matrix pencil method. Optics Express, 2018, 26, 24702.	1.7	16
26	Experimental verification of two-dimensional spatial harmonic analysis at oblique light incidence. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 2465.	0.9	14
27	Titanium nitride as a plasmonic material for visible and near-infrared wavelengths [erratum]. Optical Materials Express, 2013, 3, 1658.	1.6	10
28	Electrically Tunable Plasmonic Resonances with Graphene. , 2012, , .		4
29	Experimental validation of a new bianisotropic parameter retrieval technique using plasmonic metasurfaces made of V-shape antennas. , 2013, , .		4
30	Optical modulation of aqueous metamaterial properties at large scale. Optics Express, 2015, 23, 28736.	1.7	4
31	Single-cavity bi-color laser enabled by optical anti-parity-time symmetry. Photonics Research, 2021, 9, 1280.	3.4	4
32	Fast Eigensolver for Plasmonic Metasurfaces. Optical Materials Express, 2014, 4, 288.	1.6	3
33	Three-Dimensional Metasurface Carpet Cloak. , 2015, , .		3
34	Photon Spin Induced Collective Electron Motion on a Metasurface. , 2015, , .		3
35	Fabrication-Friendly Random Meta-Atom Generation for Phase-Shifting Metasurfaces. IEEE Photonics Journal, 2022, 14, 1-4.	1.0	3
36	Metal Nitrides for Plasmonic Applications. , 2012, , .		2

#	ARTICLE	IF	CITATIONS
37	Analyzing the effect of a metamaterial surface on electric and magnetic dipole emissions using Green's function and spatial harmonic analysis techniques. , 2010, , .		1
38	Plasmonic Metasurface Based Ultra-thin Phase Holograms and Planar Micro-lenses. , 2013, , .		1
39	A Tool for Designing Realizable Hyperlenses. , 2009, , .		1
40	On-chip Integrated Spectrometers based on Metasurfaces on Waveguides. , 2020, , .		1
41	Guided-Wave-Driven Photonic Integrated Metasurface Holograms. , 2020, , .		1
42	Validation of the Parallel Three-Dimensional Solver for Analysis of Optical Plasmonic Bi-Periodic Multilayer Nanostructures. , 2010, , .		0
43	Scalable spatial harmonic analysis solver for modeling plasmonic bi-periodic multilayer nanostructures. , 2010, , .		0
44	FE modeling of plasmonic nanoantennas with realistic 3D roughness and distortion. , 2010, , .		0
45	Non-linear modeling of active or passive optical lamellar nanostructures. , 2011, , .		0
46	Pulse shaping using optical metamaterials with naturally anisotropic structural elements. , 2012, , .		0
47	Planar Meta-Optics. , 2013, , .		0
48	Metamaterials Assembled by Light. , 2015, , .		0
49	Metasurface invisibility skin cloak. , 2016, , .		0
50	A Matrix Pencil Method to Realize Random and Sparse Metalens. , 2019, , .		0
51	Logic Obfuscation using Metasurface Holography. , 2019, , .		0
52	SHA Modeling of Gold Gratings for Oblique Light Incidence. , 2010, , .		0
53	Effect of Metallic and Hyperbolic Metamaterial Surface on Electric and Magnetic Dipole Emission. , 2011, , .		0
54	Gain-Assisted Hyperbolic Metamaterials. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
55	Symmetry-Breaking Plasmonic Metasurfaces for Broadband Light Bending. , 2012, , .		0
56	Electrical Detection of Photonic Spin Hall Effect on Metasurfaces. , 2014, , .		0
57	Ultrathin Invisibility Skin Cloak. , 2015, , .		0
58	Chapter 8: Broadband Optical Metasurfaces and Metamaterials. , 2016, , 321-370.		0
59	Electrically tunable dynamic phase modulation enhanced second harmonic generation of dielectric metasurfaces. , 2019, , .		0