

Yuanmu Yang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4915840/publications.pdf>

Version: 2024-02-01

37
papers

4,718
citations

304743

22
h-index

454955

30
g-index

37
all docs

37
docs citations

37
times ranked

4937
citing authors

#	ARTICLE	IF	CITATIONS
1	Dielectric Meta-Reflectarray for Broadband Linear Polarization Conversion and Optical Vortex Generation. Nano Letters, 2014, 14, 1394-1399.	9.1	877
2	All-dielectric metasurface analogue of electromagnetically induced transparency. Nature Communications, 2014, 5, 5753.	12.8	823
3	Realization of an all-dielectric zero-index optical metamaterial. Nature Photonics, 2013, 7, 791-795.	31.4	589
4	Nonlinear Fano-Resonant Dielectric Metasurfaces. Nano Letters, 2015, 15, 7388-7393.	9.1	474
5	Resonantly Enhanced Second-Harmonic Generation Using III-V Semiconductor All-Dielectric Metasurfaces. Nano Letters, 2016, 16, 5426-5432.	9.1	341
6	Femtosecond optical polarization switching using a cadmium oxide-based perfect absorber. Nature Photonics, 2017, 11, 390-395.	31.4	245
7	Hot Electron-Based Near-Infrared Photodetection Using Bilayer MoS ₂ . Nano Letters, 2015, 15, 7440-7444.	9.1	199
8	Optical meta-waveguides for integrated photonics and beyond. Light: Science and Applications, 2021, 10, 235.	16.6	196
9	High-harmonic generation from an epsilon-near-zero material. Nature Physics, 2019, 15, 1022-1026.	16.7	137
10	Light-Emitting Metasurfaces: Simultaneous Control of Spontaneous Emission and Far-Field Radiation. Nano Letters, 2018, 18, 6906-6914.	9.1	126
11	Enhanced absorption in two-dimensional materials via Fano-resonant photonic crystals. Applied Physics Letters, 2015, 106, .	3.3	86
12	Plasmon-induced transparency in twisted Fano terahertz metamaterials. Optical Materials Express, 2011, 1, 391.	3.0	82
13	Metasurface for Structured Light Projection over 120° Field of View. Nano Letters, 2020, 20, 6719-6724.	9.1	75
14	Robust Large Dimension Terahertz Cloaking. Advanced Materials, 2012, 24, 916-921.	21.0	71
15	Integrated Terahertz Generator-Manipulators Using Epsilon-near-Zero-Hybrid Nonlinear Metasurfaces. Nano Letters, 2021, 21, 7699-7707.	9.1	52
16	Broadband terahertz wave generation from an epsilon-near-zero material. Light: Science and Applications, 2021, 10, 11.	16.6	47
17	Nonlinear meta-optics towards applications. PhotonIX, 2021, 2, .	13.5	46
18	Modulating the fundamental inductive-capacitive resonance in asymmetric double-split ring terahertz metamaterials. Applied Physics Letters, 2011, 98, 121114.	3.3	45

#	ARTICLE	IF	CITATIONS
19	Transient GaAs Plasmonic Metasurfaces at Terahertz Frequencies. ACS Photonics, 2017, 4, 15-21.	6.6	36
20	Ultracompact Graphene-Assisted Tunable Waveguide Couplers with High Directivity and Mode Selectivity. Scientific Reports, 2018, 8, 13362.	3.3	30
21	Metalens-Assisted System for Underwater Imaging. Laser and Photonics Reviews, 2021, 15, 2100097.	8.7	30
22	Synthetic aperture metalens. Photonics Research, 2021, 9, 2388.	7.0	25
23	Transmissive nonlocal multilayer thin film optical filter for image differentiation. Nanophotonics, 2021, 10, 3519-3525.	6.0	19
24	Polarization-selected nonlinearity transition in gold dolmens coupled to an epsilon-near-zero material. Nanophotonics, 2020, 9, 4839-4851.	6.0	14
25	Terahertz Driven Amplification of Coherent Optical Phonons in GaAs Coupled to a Metasurface. Physical Review Letters, 2019, 122, 107402.	7.8	13
26	High-contrast optical switching using an epsilon-near-zero material coupled to a Bragg microcavity. Optics Express, 2019, 27, 26405.	3.4	13
27	Two-plasmon spontaneous emission from a nonlocal epsilon-near-zero material. Communications Physics, 2021, 4, .	5.3	9
28	Multipolar second harmonic generation in a symmetric nonlinear metamaterial. Scientific Reports, 2017, 7, 8101.	3.3	8
29	Manipulation of quantum dot emission with semiconductor metasurfaces exhibiting magnetic quadrupole resonances. Optics Express, 2021, 29, 5567.	3.4	6
30	Dielectric Metasurface Analogue of Electromagnetically Induced Transparency. , 2015, , .		2
31	Near-field nonlinear imaging of an anapole mode beyond diffraction limit. Optics Letters, 2021, 46, 2095.	3.3	2
32	All-dielectric metasurfaces. , 2015, , .		0
33	Nonlinear Conversion Using Fano-Resonant All-Dielectric Metasurfaces. , 2015, , .		0
34	Multilayer Huygens's™ metasurface absorber toward snapshot multispectral imaging. Journal of Optics (United Kingdom), 2021, 23, 044001.	2.2	0
35	High-Contrast, All-Optical Switching of Infrared Light using a Cadmium Oxide Perfect Absorber. , 2017, , .		0
36	Extreme Nonlinear Optics in Epsilon-near-zero Materials. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
37	Broadband terahertz generation from an epsilon-near-zero thin film., 2020, , .		0