

# Yuanmu Yang

## List of Publications by Year in descending order

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37  
papers

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citations

304743

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454955

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docs citations

37  
times ranked

4937  
citing authors

#	ARTICLE	IF	CITATIONS
1	Broadband terahertz wave generation from an epsilon-near-zero material. <i>Light: Science and Applications</i> , 2021, 10, 11.	16.6	47
2	Manipulation of quantum dot emission with semiconductor metasurfaces exhibiting magnetic quadrupole resonances. <i>Optics Express</i> , 2021, 29, 5567.	3.4	6
3	Multilayer Huygens's™ metasurface absorber toward snapshot multispectral imaging. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 044001.	2.2	0
4	Near-field nonlinear imaging of an anapole mode beyond diffraction limit. <i>Optics Letters</i> , 2021, 46, 2095.	3.3	2
5	Two-plasmon spontaneous emission from a nonlocal epsilon-near-zero material. <i>Communications Physics</i> , 2021, 4, .	5.3	9
6	Nonlinear meta-optics towards applications. <i>Photonix</i> , 2021, 2, .	13.5	46
7	Metalens-Assisted System for Underwater Imaging. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100097.	8.7	30
8	Transmissive nonlocal multilayer thin film optical filter for image differentiation. <i>Nanophotonics</i> , 2021, 10, 3519-3525.	6.0	19
9	Integrated Terahertz Generator-Manipulators Using Epsilon-near-Zero-Hybrid Nonlinear Metasurfaces. <i>Nano Letters</i> , 2021, 21, 7699-7707.	9.1	52
10	Synthetic aperture metalens. <i>Photonics Research</i> , 2021, 9, 2388.	7.0	25
11	Optical meta-waveguides for integrated photonics and beyond. <i>Light: Science and Applications</i> , 2021, 10, 235.	16.6	196
12	Metasurface for Structured Light Projection over 120° Field of View. <i>Nano Letters</i> , 2020, 20, 6719-6724.	9.1	75
13	Polarization-selected nonlinearity transition in gold dolmens coupled to an epsilon-near-zero material. <i>Nanophotonics</i> , 2020, 9, 4839-4851.	6.0	14
14	Broadband terahertz generation from an epsilon-near-zero thin film. , 2020, , .		0
15	High-harmonic generation from an epsilon-near-zero material. <i>Nature Physics</i> , 2019, 15, 1022-1026.	16.7	137
16	Terahertz Driven Amplification of Coherent Optical Phonons in GaAs Coupled to a Metasurface. <i>Physical Review Letters</i> , 2019, 122, 107402.	7.8	13
17	High-contrast optical switching using an epsilon-near-zero material coupled to a Bragg microcavity. <i>Optics Express</i> , 2019, 27, 26405.	3.4	13
18	Extreme Nonlinear Optics in Epsilon-near-zero Materials. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Light-Emitting Metasurfaces: Simultaneous Control of Spontaneous Emission and Far-Field Radiation. Nano Letters, 2018, 18, 6906-6914.	9.1	126
20	Ultracompact Graphene-Assisted Tunable Waveguide Couplers with High Directivity and Mode Selectivity. Scientific Reports, 2018, 8, 13362.	3.3	30
21	Femtosecond optical polarization switching using a cadmium oxide-based perfect absorber. Nature Photonics, 2017, 11, 390-395.	31.4	245
22	Transient GaAs Plasmonic Metasurfaces at Terahertz Frequencies. ACS Photonics, 2017, 4, 15-21.	6.6	36
23	Multipolar second harmonic generation in a symmetric nonlinear metamaterial. Scientific Reports, 2017, 7, 8101.	3.3	8
24	High-Contrast, All-Optical Switching of Infrared Light using a Cadmium Oxide Perfect Absorber. , 2017, , .		0
25	Resonantly Enhanced Second-Harmonic Generation Using III-V Semiconductor All-Dielectric Metasurfaces. Nano Letters, 2016, 16, 5426-5432.	9.1	341
26	All-dielectric metasurfaces. , 2015, , .		0
27	Enhanced absorption in two-dimensional materials via Fano-resonant photonic crystals. Applied Physics Letters, 2015, 106, .	3.3	86
28	Hot Electron-Based Near-Infrared Photodetection Using Bilayer MoS <sub>2</sub> . Nano Letters, 2015, 15, 7440-7444.	9.1	199
29	Nonlinear Fano-Resonant Dielectric Metasurfaces. Nano Letters, 2015, 15, 7388-7393.	9.1	474
30	Nonlinear Conversion Using Fano-Resonant All-Dielectric Metasurfaces. , 2015, , .		0
31	Dielectric Metasurface Analogue of Electromagnetically Induced Transparency. , 2015, , .		2
32	All-dielectric metasurface analogue of electromagnetically induced transparency. Nature Communications, 2014, 5, 5753.	12.8	823
33	Dielectric Meta-Reflectarray for Broadband Linear Polarization Conversion and Optical Vortex Generation. Nano Letters, 2014, 14, 1394-1399.	9.1	877
34	Realization of an all-dielectric zero-index optical metamaterial. Nature Photonics, 2013, 7, 791-795.	31.4	589
35	Robust Large Dimension Terahertz Cloaking. Advanced Materials, 2012, 24, 916-921.	21.0	71
36	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
37	Plasmon-induced transparency in twisted Fano terahertz metamaterials. Optical Materials Express, 2011, 1, 391.	3.0	82