

Yuanqing Yang

List of Publications by Year in descending order

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49
papers

2,310
citations

236925

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all docs

49
docs citations

49
times ranked

2707
citing authors

#	ARTICLE	IF	CITATIONS
1	Controllable optical resonances and unidirectional scattering by core-shell nanoparticles. Journal of Physics: Conference Series, 2021, 1865, 022045.	0.4	0
2	Spectrally selective emitters based on 3D Mo nanopillars for thermophotovoltaic energy harvesting. Materials Today Physics, 2021, 21, 100503.	6.0	20
3	Engineering Nanoparticles with Pure High-Order Multipole Scattering. ACS Photonics, 2020, 7, 1067-1075.	6.6	23
4	Ultrabright single-photon emission from germanium-vacancy zero-phonon lines: deterministic emitter-waveguide interfacing at plasmonic hot spots. Nanophotonics, 2020, 9, 953-962.	6.0	21
5	Multifunctional Metamirrors for Broadband Focused Vector Beam Generation. Advanced Optical Materials, 2019, 7, 1900724.	7.3	31
6	Nonradiating anapole states in nanophotonics: from fundamentals to applications. Nanotechnology, 2019, 30, 204001.	2.6	108
7	Active control of anapole states by structuring the phase-change alloy Ge ₂ Sb ₂ Te ₅ . Nature Communications, 2019, 10, 396.	12.8	162
8	On-Chip Detection of Optical Spin-Orbit Interactions in Plasmonic Nanocircuits. Nano Letters, 2019, 19, 1166-1171.	9.1	57
9	Plasmon Metasurfaces: Gap-Surface Plasmon Metasurfaces for Broadband Circular-to-Linear Polarization Conversion and Vector Vortex Beam Generation (Advanced Optical Materials 9/2019). Advanced Optical Materials, 2019, 7, 1970033.	7.3	4
10	Dynamic Metasurfaces Using Phase-Change Chalcogenides. Advanced Optical Materials, 2019, 7, 1801709.	7.3	139
11	Gain-Assisted Plasmon Resonance Narrowing and Its Application in Sensing. Physical Review Applied, 2019, 11, .	3.8	21
12	Switchable multifunctional terahertz metasurfaces employing vanadium dioxide. Scientific Reports, 2019, 9, 5454.	3.3	79
13	Gap-Surface Plasmon Metasurfaces for Broadband Circular-to-Linear Polarization Conversion and Vector Vortex Beam Generation. Advanced Optical Materials, 2019, 7, 1801414.	7.3	55
14	Gap-surface Plasmon Metasurfaces for Structured Beams Generation. , 2019, , .		0
15	Laser Writing of Bright Colors on Near-Percolation Plasmonic Reflector Arrays. ACS Nano, 2019, 13, 71-77.	14.6	49
16	Large Area Three-Dimensional Photonic Crystal Membranes: Single-Run Fabrication and Applications with Embedded Planar Defects. Advanced Optical Materials, 2019, 7, 1801176.	7.3	17
17	Anapole-Assisted Strong Field Enhancement in Individual All-Dielectric Nanostructures. ACS Photonics, 2018, 5, 1960-1966.	6.6	150
18	Confined Growth of ZIF-8 Nanocrystals with Tunable Structural Colors. Advanced Materials Interfaces, 2018, 5, 1701270.	3.7	11

#	ARTICLE	IF	CITATIONS
19	Polarization-Independent Optical Broadband Angular Selectivity. ACS Photonics, 2018, 5, 4125-4131.	6.6	26
20	A review of gap-surface plasmon metasurfaces: fundamentals and applications. Nanophotonics, 2018, 7, 1129-1156.	6.0	250
21	Ultra-compact branchless plasmonic interferometers. Nanoscale, 2018, 10, 16178-16183.	5.6	11
22	Interference in edge-scattering from monocrystalline gold flakes [Invited]. Optical Materials Express, 2018, 8, 3688.	3.0	18
23	Polarization conversion within ultra-compact on-chip all-plasmonic nanocircuits. , 2018, , .		0
24	Light-Induced Pulling and Pushing by the Synergic Effect of Optical Force and Photophoretic Force. Physical Review Letters, 2017, 118, 043601.	7.8	86
25	Controlling fluorescence emission with split-ring resonator-based plasmonic metasurfaces. Laser and Photonics Reviews, 2017, 11, 1600299.	8.7	25
26	Direct Amplitude-Phase Near-Field Observation of Higher-Order Anapole States. Nano Letters, 2017, 17, 7152-7159.	9.1	79
27	Large-Area Ultrabroadband Absorber for Solar Thermophotovoltaics Based on 3D Titanium Nitride Nanopillars. Advanced Optical Materials, 2017, 5, 1700552.	7.3	126
28	Multimode directionality in all-dielectric metasurfaces. Physical Review B, 2017, 95, .	3.2	106
29	Thermophotovoltaics: Large-Area Ultrabroadband Absorber for Solar Thermophotovoltaics Based on 3D Titanium Nitride Nanopillars (Advanced Optical Materials 22/2017). Advanced Optical Materials, 2017, 5, .	7.3	3
30	All-dielectric KTiOPO ₄ metasurfaces based on multipolar resonances in the terahertz region. Optics Express, 2017, 25, 24068.	3.4	23
31	Laser-induced single point nanowelding of silver nanowires. Applied Physics Letters, 2016, 108, .	3.3	43
32	Broadband nanophotonic wireless links and networks using on-chip integrated plasmonic antennas. Scientific Reports, 2016, 6, 19490.	3.3	67
33	Tailoring unidirectional angular radiation through multipolar interference in a single-element subwavelength all-dielectric stair-like nanoantenna. Nanoscale, 2016, 8, 4047-4053.	5.6	45
34	Large third-order nonlinear refractive index coefficient based on gold nanoparticle aggregate films. Applied Physics Letters, 2015, 107, .	3.3	29
35	Controlling wave-vector of propagating surface plasmon polaritons on single-crystalline gold nanoplates. Scientific Reports, 2015, 5, 13424.	3.3	13
36	Nanowelding through plasmonic enhanced photothermal effects. , 2015, , .		0

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37	Nanoscale Control of Temperature Distribution Using a Plasmonic Trimer. Plasmonics, 2015, 10, 911-918.	3.4	7
38	Probing Plasmonic Gap Resonances between Gold Nanorods and a Metallic Surface. Journal of Physical Chemistry C, 2015, 119, 18627-18634.	3.1	28
39	Wavelength and Thermal Distribution Selectable Microbolometers Based on Metamaterial Absorbers. IEEE Photonics Journal, 2015, 7, 1-8.	2.0	41
40	Tunable unidirectional long-range surface plasmon polaritons launching based on nanoslits. , 2015, , .		0
41	Controlling the angular radiation of single emitters using dielectric patch nanoantennas. Applied Physics Letters, 2015, 107, 031109.	3.3	25
42	Plasmonic sectoral horn nanoantennas. Optics Letters, 2014, 39, 3204.	3.3	28
43	Grating-assisted enhanced optical transmission through a seamless gold film. Optics Express, 2014, 22, 5416.	3.4	21
44	Plasmonic enhanced photothermal effects and its applications. , 2014, , .		0
45	Optimized grating as an ultra-narrow band absorber or plasmonic sensor. Optics Letters, 2014, 39, 1137.	3.3	162
46	Gold nanoparticle transfer through photothermal effects in a metamaterial absorber by nanosecond laser. Scientific Reports, 2014, 4, 6080.	3.3	7
47	Sub-wavelength quarter-wave plate based on plasmonic patch antennas. Applied Physics Letters, 2013, 103, .	3.3	11
48	Realization of an extraordinary transmission window for a seamless Ag film based on metal-insulator-metal structures. Applied Physics Letters, 2013, 102, 201109.	3.3	15
49	Near-infrared broadband absorber with film-coupled multilayer nanorods. Optics Letters, 2013, 38, 2247.	3.3	68