

# Max Yan

## List of Publications by Citations

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109  
papers

3,629  
citations

29  
h-index

58  
g-index

140  
ext. papers

4,341  
ext. citations

3.6  
avg, IF

5.6  
L-index

#	Paper	IF	Citations
109	Ideal cylindrical cloak: perfect but sensitive to tiny perturbations. <i>Physical Review Letters</i> , <b>2007</b> , 99, 11390-3	9.3	292
108	Nanosecond photothermal effects in plasmonic nanostructures. <i>ACS Nano</i> , <b>2012</b> , 6, 2550-7	16.7	274
107	Coupled mode theory analysis of mode-splitting in coupled cavity system. <i>Optics Express</i> , <b>2010</b> , 18, 8367-82	3.2	241
106	Optically Transparent Wood from a Nanoporous Cellulosic Template: Combining Functional and Structural Performance. <i>Biomacromolecules</i> , <b>2016</b> , 17, 1358-64	6.9	238
105	A selectively coated photonic crystal fiber based surface plasmon resonance sensor. <i>Journal of Optics (United Kingdom)</i> , <b>2010</b> , 12, 015005	1.7	160
104	Cylindrical invisibility cloak with simplified material parameters is inherently visible. <i>Physical Review Letters</i> , <b>2007</b> , 99, 233901	7.4	123
103	Broadband coupler between silicon waveguide and hybrid plasmonic waveguide. <i>Optics Express</i> , <b>2010</b> , 18, 13173-9	3.3	115
102	Lignin-Retaining Transparent Wood. <i>ChemSusChem</i> , <b>2017</b> , 10, 3445-3451	8.3	113
101	Cylindrical superlens by a coordinate transformation. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	103
100	Biologically inspired flexible photonic films for efficient passive radiative cooling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 14657-14666	11.5	92
99	Photothermal reshaping of gold nanoparticles in a plasmonic absorber. <i>Optics Express</i> , <b>2011</b> , 19, 14726-34	3.3	88
98	Strain-insensitive and high-temperature long-period gratings inscribed in photonic crystal fiber. <i>Optics Letters</i> , <b>2005</b> , 30, 367-9	3	80
97	Metal-insulator-metal light absorber: a continuous structure. <i>Journal of Optics (United Kingdom)</i> , <b>2013</b> , 15, 025006	1.7	79
96	Ultra-narrow-band light dissipation by a stack of lamellar silver and alumina. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 221107	3.4	75
95	Towards centimeter thick transparent wood through interface manipulation. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 1094-1101	13	74
94	Coordinate transformations make perfect invisibility cloaks with arbitrary shape. <i>New Journal of Physics</i> , <b>2008</b> , 10, 043040	2.9	71
93	Guided plasmon polariton at 2D metal corners. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2007</b> , 24, 2333	1.7	71

92	Transparent Wood for Thermal Energy Storage and Reversible Optical Transmittance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 20465-20472	9.5	69
91	Scattering characteristics of simplified cylindrical invisibility cloaks. <i>Optics Express</i> , <b>2007</b> , 15, 17772-82	3.3	63
90	Shape-dependent absorption characteristics of three-layered metamaterial absorbers at near-infrared. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 074510	2.5	58
89	Lithography-free broadband visible light absorber based on a mono-layer of gold nanoparticles. <i>Journal of Optics (United Kingdom)</i> , <b>2014</b> , 16, 025002	1.7	56
88	Near field thermal memory based on radiative phase bistability of VO <sub>2</sub> . <i>Journal Physics D: Applied Physics</i> , <b>2015</b> , 48, 305104	3	51
87	Transparent plywood as a load-bearing and luminescent biocomposite. <i>Composites Science and Technology</i> , <b>2018</b> , 164, 296-303	8.6	51
86	Thickness Dependence of Optical Transmittance of Transparent Wood: Chemical Modification Effects. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 35451-35457	9.5	40
85	Enhanced near-field radiative heat transfer between corrugated metal plates: Role of spoof surface plasmon polaritons. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	40
84	Light absorber based on nano-spheres on a substrate reflector. <i>Optics Express</i> , <b>2013</b> , 21, 6697-706	3.3	34
83	Hollow-core infrared fiber incorporating metal-wire metamaterial. <i>Optics Express</i> , <b>2009</b> , 17, 14851-64	3.3	34
82	Design of air-guiding honeycomb photonic bandgap fiber. <i>Optics Letters</i> , <b>2005</b> , 30, 465-7	3	30
81	Ordered Au nanocrystals on a substrate formed by light-induced rapid annealing. <i>Nanoscale</i> , <b>2014</b> , 6, 1756-62	7.7	29
80	Non-magnetic simplified cylindrical cloak with suppressed zeroth order scattering. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 021909	3.4	27
79	Efficient coupling between dielectric and hybrid plasmonic waveguides by multimode interference power splitter. <i>Journal of Optics (United Kingdom)</i> , <b>2011</b> , 13, 075002	1.7	26
78	Nanostructure and Properties of Nacre-Inspired Clay/Cellulose Nanocomposites by Synchrotron X-ray Scattering Analysis. <i>Macromolecules</i> , <b>2019</b> , 52, 3131-3140	5.5	25
77	Light Scattering by Structurally Anisotropic Media: A Benchmark with Transparent Wood. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800999	8.1	25
76	Near-field radiative heat transfer between metasurfaces: A full-wave study based on two-dimensional grooved metal plates. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	23
75	Metal-insulator-metal plasmonic absorbers: influence of lattice. <i>Optics Express</i> , <b>2014</b> , 22, 30807-14	3.3	22

74	Honeycomb-lattice plasmonic absorbers at NIR: anomalous high-order resonance. <i>Optics Express</i> , <b>2013</b> , 21, 20873-9	3.3	22
73	Reducing crosstalk between nanowire-based hybrid plasmonic waveguides. <i>Optics Communications</i> , <b>2011</b> , 284, 480-484	2	22
72	Thermal radiation dynamics in two parallel plates: The role of near field. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	21
71	Subwavelength hybrid plasmonic nanodisk with highQfactor and Purcell factor. <i>Journal of Optics (United Kingdom)</i> , <b>2011</b> , 13, 075001	1.7	20
70	Field enhancement at metallic interfaces due to quantum confinement. <i>Journal of Nanophotonics</i> , <b>2011</b> , 5, 051602	1.1	20
69	Radiative heat transfer between two dielectric-filled metal gratings. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	18
68	Experimental Demonstration of Plasmon Propagation, Coupling, and Splitting in Silver Nanowire at 1550-nm Wavelength. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2011</b> , 17, 1107-1111	3.8	18
67	Invisibility Cloaking by Coordinate Transformation. <i>Progress in Optics</i> , <b>2009</b> , 261-304	3.4	18
66	Theoretical investigation of highly birefringent all-solid photonic bandgap fiber with elliptical cladding rods. <i>IEEE Photonics Technology Letters</i> , <b>2006</b> , 18, 1243-1245	2.2	18
65	Generalized Mueller matrix method for polarization mode dispersion measurement in a system with polarization-dependent loss or gain. <i>Optics Express</i> , <b>2006</b> , 14, 5067-72	3.3	18
64	All-optical switching of silicon disk resonator based on photothermal effect in metal-insulator-metal absorber. <i>Optics Letters</i> , <b>2014</b> , 39, 4431-4	3	17
63	Air guiding with honeycomb photonic bandgap fiber. <i>IEEE Photonics Technology Letters</i> , <b>2005</b> , 17, 64-66	2.2	17
62	Layered metal-dielectric waveguide: subwavelength guidance, leveraged modulation sensitivity in mode index, and reversed mode ordering. <i>Optics Express</i> , <b>2011</b> , 19, 3818-24	3.3	15
61	Design of All-Solid Bandgap Fiber With Improved Confinement and Bend Losses. <i>IEEE Photonics Technology Letters</i> , <b>2006</b> , 18, 2560-2562	2.2	15
60	Coupling coefficient of two-core microstructured optical fiber. <i>Optics Communications</i> , <b>2006</b> , 260, 164-169		15
59	Ultrabroadband super-Planckian radiative heat transfer with artificial continuum cavity states in patterned hyperbolic metamaterials. <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	14
58	Photothermally tunable silicon-microring-based optical add-drop filter through integrated light absorber. <i>Optics Express</i> , <b>2014</b> , 22, 25233-41	3.3	14
57	The effect of transformation order on the invisibility performance of a practical cylindrical cloak. <i>Journal of Optics</i> , <b>2008</b> , 10, 095001		14

56	Refractive index of delignified wood for transparent biocomposites.. <i>RSC Advances</i> , <b>2020</b> , 10, 40719-40734	3.4	14
55	Heterostructured photonic crystal fiber. <i>IEEE Photonics Technology Letters</i> , <b>2005</b> , 17, 1438-1440	2.2	13
54	Generalized nihility media from transformation optics. <i>Journal of Optics (United Kingdom)</i> , <b>2011</b> , 13, 024005	4.0	12
53	Measurement of Mueller matrix for an optical fiber system with birefringence and polarization-dependent loss or gain. <i>Optics Communications</i> , <b>2007</b> , 274, 116-123	2	12
52	On the unambiguous determination of effective optical properties of periodic metamaterials: a one-dimensional case study. <i>Journal of the European Optical Society-Rapid Publications</i> , <b>2010</b> , 5,	2.5	11
51	Honeycomb photonic bandgap fiber with a modified core design. <i>IEEE Photonics Technology Letters</i> , <b>2004</b> , 16, 2051-2053	2.2	11
50	Electric field induced optical anisotropy of P3HT nanofibers in a liquid solution. <i>Optical Materials Express</i> , <b>2015</b> , 5, 2642	2.6	10
49	Whispering gallery mode nanodisk resonator based on layered metal-dielectric waveguide. <i>Optics Express</i> , <b>2014</b> , 22, 8490-502	3.3	10
48	Plasmonic nanostructures: local versus nonlocal response <b>2010</b> ,		10
47	Tunable and Switchable Fiber Ring Laser Among Four Wavelengths With Ultranarrow Wavelength Spacing Using a Quadruple-Transmission-Band Fiber Bragg Grating Filter. <i>IEEE Photonics Technology Letters</i> , <b>2006</b> , 18, 2038-2040	2.2	10
46	Antiguinding in microstructured optical fibers. <i>Optics Express</i> , <b>2004</b> , 12, 104-16	3.3	10
45	Photothermal Switching Based on Silicon Mach-Zehnder Interferometer Integrated With Light Absorber. <i>IEEE Photonics Journal</i> , <b>2016</b> , 8, 1-10	1.8	9
44	Achieving perfect imaging beyond passive and active obstacles by a transformed bilayer lens. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	9
43	Size Impact of Ordered P3HT Nanofibers on Optical Anisotropy. <i>Macromolecular Chemistry and Physics</i> , <b>2016</b> , 217, 1089-1095	2.6	8
42	Thermal self-oscillations in radiative heat exchange. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 064103	3.4	8
41	Feasibility study of nanoscaled optical waveguide based on near-resonant surface plasmon polariton. <i>Optics Express</i> , <b>2008</b> , 16, 7499-507	3.3	8
40	Generalized frequency dependence of output Stokes parameters in an optical fiber system with PMD and PDL/PDG. <i>Optics Express</i> , <b>2005</b> , 13, 8875-81	3.3	8
39	Analysis of perturbed Bragg fibers with an extended transfer matrix method. <i>Optics Express</i> , <b>2006</b> , 14, 2596-610	3.3	8

38	Subwavelength adiabatic multimode Y-junctions. <i>Optics Letters</i> , <b>2019</b> , 44, 4729-4732	3	8
37	All-Optical Switching Using a Hybrid Plasmonic Donut Resonator With Photothermal Absorber. <i>IEEE Photonics Technology Letters</i> , <b>2016</b> , 28, 1609-1612	2.2	8
36	Silica-Based Birefringent Large-Mode-Area Fiber With a Nanostructure Core. <i>IEEE Photonics Technology Letters</i> , <b>2008</b> , 20, 246-248	2.2	7
35	Influence of geometrical perturbation at inner boundaries of invisibility cloaks. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2008</b> , 25, 968-73	1.8	7
34	Guidance varieties in photonic crystal fibers. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2006</b> , 23, 1684	1.7	7
33	Direct characterization of focusing light by negative refraction in a photonic crystal flat lens. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 191114	3.4	6
32	Design and analysis of anti-resonant reflecting photonic crystal VCSEL lasers. <i>Optics Express</i> , <b>2004</b> , 12, 4269-74	3.3	6
31	Gold nanoparticle transfer through photothermal effects in a metamaterial absorber by nanosecond laser. <i>Scientific Reports</i> , <b>2014</b> , 4, 6080	4.9	5
30	Scalable spectrally selective mid-infrared meta-absorbers for advanced radiative thermal engineering. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 13965-13974	3.6	5
29	Virtual Generalized Mueller Matrix Method for Measurement of Complex Polarization-Mode Dispersion Vector in Optical Fibers. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 27-29	2.2	5
28	Analysis of Surface Plasmon Polariton Using Anisotropic Finite Elements. <i>IEEE Photonics Technology Letters</i> , <b>2007</b> , 19, 1804-1806	2.2	5
27	Improved air-silica photonic crystal with a triangular airhole arrangement for hollow-core photonic bandgap fiber design. <i>Optics Letters</i> , <b>2005</b> , 30, 1920-2	3	5
26	Dynamic Manipulation of Optical Anisotropy of Suspended Poly-3-hexylthiophene Nanofibers. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1651-1656	8.1	5
25	Photothermal Switching of SOI Waveguide-Based Mach-Zehnder Interferometer with Integrated Plasmonic Nanoheater. <i>Plasmonics</i> , <b>2014</b> , 9, 1197-1205	2.4	4
24	Generalized compensated bilayer structure from the transformation optics perspective. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2009</b> , 26, B39	1.7	4
23	Nanostructure Core Fiber With Enhanced Performances: Design, Fabrication and Devices. <i>Journal of Lightwave Technology</i> , <b>2009</b> , 27, 1548-1555	4	4
22	Quasi-monochromatic fiber depolarizer and its application to polarization-dependent loss measurement. <i>Optics Letters</i> , <b>2006</b> , 31, 876-8	3	4
21	Hole-assisted multiring fiber with low dispersion around 1550 nm. <i>IEEE Photonics Technology Letters</i> , <b>2004</b> , 16, 123-125	2.2	4

20	Effect of transparent wood on the polarization degree of light. <i>Optics Letters</i> , <b>2019</b> , 44, 2962-2965	3	4
19	Complex-k modes of plasmonic chain waveguides. <i>Journal of Physics Communications</i> , <b>2019</b> , 3, 115015	1.2	4
18	Biomimetic Photonic Multiform Composite for High-Performance Radiative Cooling. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2101151	8.1	4
17	Nanophotonics for Low-Power Switches <b>2013</b> , 205-241		3
16	Plasmonic analog of microstrip transmission line and effect of thermal annealing on its propagation loss. <i>Optics Express</i> , <b>2013</b> , 21, 1639-44	3.3	3
15	Design of invisibility cloaks with an open tunnel. <i>Optics Express</i> , <b>2010</b> , 18, 27060-6	3.3	3
14	A 5-bit 1.25GS/s 4.7mW delay-based pipelined ADC in 65nm CMOS <b>2013</b> ,		2
13	Manipulation of light with $\mathbb{F}$ -transformation media. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2011</b> , 28, 1058-66	1.8	2
12	Engineering modes in optical fibers with metamaterial. <i>Frontiers of Optoelectronics in China</i> , <b>2009</b> , 2, 153-158		2
11	Photonic crystal surface mode microcavities. <i>Frontiers of Physics in China</i> , <b>2010</b> , 5, 260-265		2
10	Compact Optical Waveguides Based on Hybrid Index and Surface-Plasmon-Polariton Guidance Mechanisms. <i>Active and Passive Electronic Components</i> , <b>2007</b> , 2007, 1-7	0.3	2
9	Full-vector analysis of photonic crystal fibers using the boundary element method		2
8	On-chip reconfigurable mode converter based on cross-connected subwavelength Y-junctions. <i>Photonics Research</i> , <b>2021</b> , 9, 43	6	2
7	Efficient coupler between silicon waveguide and hybrid plasmonic waveguide <b>2010</b> ,		1
6	Theoretical investigation on guiding IR light in hollow-core metallic fiber with corrugated inner surface. <i>Optics Express</i> , <b>2010</b> , 18, 21959-64	3.3	1
5	Photothermal direct writing of metallic microstructure for frequency selective surface at terahertz frequencies <b>2012</b> ,		1
4	Measurement of polarization mode dispersion vectors in optical fibers using a virtual Mueller matrix method. <i>Optical Engineering</i> , <b>2007</b> , 46, 035007	1.1	1
3	Birefringent optical fiber with a photonic crystal core <b>2006</b> ,		1

2 Liquid Core Fibers based on Hollow Core Microstructured Fibers

1

1 Multi-resonator structure based on continuous silver thin films for transparent conductors. *Applied Physics Letters*, **2014**, 105, 061110

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