

Max Yan

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4008801/max-yan-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	On-chip reconfigurable mode converter based on cross-connected subwavelength Y-junctions. <i>Photonics Research</i> , 2021 , 9, 43	6	2
108	Biomimetic Photonic Multiform Composite for High-Performance Radiative Cooling. <i>Advanced Optical Materials</i> , 2021 , 9, 2101151	8.1	4
107	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> , 2020 , 117, 14657-14666	11.5	92
106	Scalable spectrally selective mid-infrared meta-absorbers for advanced radiative thermal engineering. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 13965-13974	3.6	5
105	Refractive index of delignified wood for transparent biocomposites.. <i>RSC Advances</i> , 2020 , 10, 40719-40724	3.4	14
104	Thickness Dependence of Optical Transmittance of Transparent Wood: Chemical Modification Effects. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 35451-35457	9.5	40
103	Transparent Wood for Thermal Energy Storage and Reversible Optical Transmittance. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 20465-20472	9.5	69
102	Nanostructure and Properties of Nacre-Inspired Clay/Cellulose Nanocomposites by Synchrotron X-ray Scattering Analysis. <i>Macromolecules</i> , 2019 , 52, 3131-3140	5.5	25
101	Effect of transparent wood on the polarization degree of light. <i>Optics Letters</i> , 2019 , 44, 2962-2965	3	4
100	Subwavelength adiabatic multimode Y-junctions. <i>Optics Letters</i> , 2019 , 44, 4729-4732	3	8
99	Complex-k modes of plasmonic chain waveguides. <i>Journal of Physics Communications</i> , 2019 , 3, 115015	1.2	4
98	Transparent plywood as a load-bearing and luminescent biocomposite. <i>Composites Science and Technology</i> , 2018 , 164, 296-303	8.6	51
97	Towards centimeter thick transparent wood through interface manipulation. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1094-1101	13	74
96	Light Scattering by Structurally Anisotropic Media: A Benchmark with Transparent Wood. <i>Advanced Optical Materials</i> , 2018 , 6, 1800999	8.1	25
95	Ultrabroadband super-Planckian radiative heat transfer with artificial continuum cavity states in patterned hyperbolic metamaterials. <i>Physical Review B</i> , 2017 , 95,	3.3	14
94	Lignin-Retaining Transparent Wood. <i>ChemSusChem</i> , 2017 , 10, 3445-3451	8.3	113
93	Radiative heat transfer between two dielectric-filled metal gratings. <i>Physical Review B</i> , 2016 , 93,	3.3	18

92	Size Impact of Ordered P3HT Nanofibers on Optical Anisotropy. <i>Macromolecular Chemistry and Physics</i> , 2016 , 217, 1089-1095	2.6	8
91	Photothermal Switching Based on Silicon Mach-Zehnder Interferometer Integrated With Light Absorber. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-10	1.8	9
90	Optically Transparent Wood from a Nanoporous Cellulosic Template: Combining Functional and Structural Performance. <i>Biomacromolecules</i> , 2016 , 17, 1358-64	6.9	238
89	All-Optical Switching Using a Hybrid Plasmonic Donut Resonator With Photothermal Absorber. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 1609-1612	2.2	8
88	Near-field radiative heat transfer between metasurfaces: A full-wave study based on two-dimensional grooved metal plates. <i>Physical Review B</i> , 2016 , 94,	3.3	23
87	Dynamic Manipulation of Optical Anisotropy of Suspended Poly-3-hexylthiophene Nanofibers. <i>Advanced Optical Materials</i> , 2016 , 4, 1651-1656	8.1	5
86	Near field thermal memory based on radiative phase bistability of VO ₂ . <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 305104	3	51
85	Enhanced near-field radiative heat transfer between corrugated metal plates: Role of spoof surface plasmon polaritons. <i>Physical Review B</i> , 2015 , 92,	3.3	40
84	Electric field induced optical anisotropy of P3HT nanofibers in a liquid solution. <i>Optical Materials Express</i> , 2015 , 5, 2642	2.6	10
83	Thermal self-oscillations in radiative heat exchange. <i>Applied Physics Letters</i> , 2015 , 106, 064103	3.4	8
82	Gold nanoparticle transfer through photothermal effects in a metamaterial absorber by nanosecond laser. <i>Scientific Reports</i> , 2014 , 4, 6080	4.9	5
81	Lithography-free broadband visible light absorber based on a mono-layer of gold nanoparticles. <i>Journal of Optics (United Kingdom)</i> , 2014 , 16, 025002	1.7	56
80	Ordered Au nanocrystals on a substrate formed by light-induced rapid annealing. <i>Nanoscale</i> , 2014 , 6, 1756-62	7.7	29
79	Thermal radiation dynamics in two parallel plates: The role of near field. <i>Physical Review B</i> , 2014 , 90,	3.3	21
78	Photothermal Switching of SOI Waveguide-Based Mach-Zehnder Interferometer with Integrated Plasmonic Nanoheater. <i>Plasmonics</i> , 2014 , 9, 1197-1205	2.4	4
77	Metal-insulator-metal plasmonic absorbers: influence of lattice. <i>Optics Express</i> , 2014 , 22, 30807-14	3.3	22
76	All-optical switching of silicon disk resonator based on photothermal effect in metal-insulator-metal absorber. <i>Optics Letters</i> , 2014 , 39, 4431-4	3	17
75	Whispering gallery mode nanodisk resonator based on layered metal-dielectric waveguide. <i>Optics Express</i> , 2014 , 22, 8490-502	3.3	10

74	Photothermally tunable silicon-microring-based optical add-drop filter through integrated light absorber. <i>Optics Express</i> , 2014 , 22, 25233-41	3.3	14
73	Multi-resonator structure based on continuous silver thin films for transparent conductors. <i>Applied Physics Letters</i> , 2014 , 105, 061110	3.4	
72	Ultra-narrow-band light dissipation by a stack of lamellar silver and alumina. <i>Applied Physics Letters</i> , 2014 , 104, 221107	3.4	75
71	A 5-bit 1.25GS/s 4.7mW delay-based pipelined ADC in 65nm CMOS 2013 ,		2
70	Nanophotonics for Low-Power Switches 2013 , 205-241		3
69	Metal-insulator-metal light absorber: a continuous structure. <i>Journal of Optics (United Kingdom)</i> , 2013 , 15, 025006	1.7	79
68	Light absorber based on nano-spheres on a substrate reflector. <i>Optics Express</i> , 2013 , 21, 6697-706	3.3	34
67	Plasmonic analog of microstrip transmission line and effect of thermal annealing on its propagation loss. <i>Optics Express</i> , 2013 , 21, 1639-44	3.3	3
66	Honeycomb-lattice plasmonic absorbers at NIR: anomalous high-order resonance. <i>Optics Express</i> , 2013 , 21, 20873-9	3.3	22
65	Nanosecond photothermal effects in plasmonic nanostructures. <i>ACS Nano</i> , 2012 , 6, 2550-7	16.7	274
64	Photothermal direct writing of metallic microstructure for frequency selective surface at terahertz frequencies 2012 ,		1
63	Shape-dependent absorption characteristics of three-layered metamaterial absorbers at near-infrared. <i>Journal of Applied Physics</i> , 2011 , 109, 074510	2.5	58
62	Subwavelength hybrid plasmonic nanodisk with high Q factor and Purcell factor. <i>Journal of Optics (United Kingdom)</i> , 2011 , 13, 075001	1.7	20
61	Manipulation of light with transformation media. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2011 , 28, 1058-66	1.8	2
60	Layered metal-dielectric waveguide: subwavelength guidance, leveraged modulation sensitivity in mode index, and reversed mode ordering. <i>Optics Express</i> , 2011 , 19, 3818-24	3.3	15
59	Photothermal reshaping of gold nanoparticles in a plasmonic absorber. <i>Optics Express</i> , 2011 , 19, 14726-34	3.3	88
58	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> , 2011 , 17, 1107-1111	3.8	18
57	Generalized nihility media from transformation optics. <i>Journal of Optics (United Kingdom)</i> , 2011 , 13, 024005		12

56	Efficient coupling between dielectric and hybrid plasmonic waveguides by multimode interference power splitter. <i>Journal of Optics (United Kingdom)</i> , 2011 , 13, 075002	1.7	26
55	Reducing crosstalk between nanowire-based hybrid plasmonic waveguides. <i>Optics Communications</i> , 2011 , 284, 480-484	2	22
54	Field enhancement at metallic interfaces due to quantum confinement. <i>Journal of Nanophotonics</i> , 2011 , 5, 051602	1.1	20
53	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> , 2010 , 5,	2.5	11
52	Plasmonic nanostructures: local versus nonlocal response 2010 ,		10
51	Efficient coupler between silicon waveguide and hybrid plasmonic waveguide 2010 ,		1
50	Coupled mode theory analysis of mode-splitting in coupled cavity system. <i>Optics Express</i> , 2010 , 18, 8367-8372	3.3	241
49	Broadband coupler between silicon waveguide and hybrid plasmonic waveguide. <i>Optics Express</i> , 2010 , 18, 13173-9	3.3	115
48	Theoretical investigation on guiding IR light in hollow-core metallic fiber with corrugated inner surface. <i>Optics Express</i> , 2010 , 18, 21959-64	3.3	1
47	Design of invisibility cloaks with an open tunnel. <i>Optics Express</i> , 2010 , 18, 27060-6	3.3	3
46	A selectively coated photonic crystal fiber based surface plasmon resonance sensor. <i>Journal of Optics (United Kingdom)</i> , 2010 , 12, 015005	1.7	160
45	Photonic crystal surface mode microcavities. <i>Frontiers of Physics in China</i> , 2010 , 5, 260-265		2
44	Achieving perfect imaging beyond passive and active obstacles by a transformed bilayer lens. <i>Physical Review B</i> , 2009 , 79,	3.3	9
43	Engineering modes in optical fibers with metamaterial. <i>Frontiers of Optoelectronics in China</i> , 2009 , 2, 153-158		2
42	Generalized compensated bilayer structure from the transformation optics perspective. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, B39	1.7	4
41	Hollow-core infrared fiber incorporating metal-wire metamaterial. <i>Optics Express</i> , 2009 , 17, 14851-64	3.3	34
40	Nanostructure Core Fiber With Enhanced Performances: Design, Fabrication and Devices. <i>Journal of Lightwave Technology</i> , 2009 , 27, 1548-1555	4	4
39	Invisibility Cloaking by Coordinate Transformation. <i>Progress in Optics</i> , 2009 , 261-304	3.4	18

38	Silica-Based Birefringent Large-Mode-Area Fiber With a Nanostructure Core. <i>IEEE Photonics Technology Letters</i> , 2008 , 20, 246-248	2.2	7
37	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> , 2008 , 25, 968-73	1.8	7
36	Feasibility study of nanoscaled optical waveguide based on near-resonant surface plasmon polariton. <i>Optics Express</i> , 2008 , 16, 7499-507	3.3	8
35	The effect of transformation order on the invisibility performance of a practical cylindrical cloak. <i>Journal of Optics</i> , 2008 , 10, 095001		14
34	Coordinate transformations make perfect invisibility cloaks with arbitrary shape. <i>New Journal of Physics</i> , 2008 , 10, 043040	2.9	71
33	Direct characterization of focusing light by negative refraction in a photonic crystal flat lens. <i>Applied Physics Letters</i> , 2008 , 93, 191114	3.4	6
32	Cylindrical superlens by a coordinate transformation. <i>Physical Review B</i> , 2008 , 78,	3.3	103
31	Non-magnetic simplified cylindrical cloak with suppressed zeroth order scattering. <i>Applied Physics Letters</i> , 2008 , 93, 021909	3.4	27
30	Cylindrical invisibility cloak with simplified material parameters is inherently visible. <i>Physical Review Letters</i> , 2007 , 99, 233901	7.4	123
29	Ideal cylindrical cloak: perfect but sensitive to tiny perturbations. <i>Physical Review Letters</i> , 2007 , 99, 113903	7.4	292
28	Virtual Generalized Mueller Matrix Method for Measurement of Complex Polarization-Mode Dispersion Vector in Optical Fibers. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 27-29	2.2	5
27	Analysis of Surface Plasmon Polariton Using Anisotropic Finite Elements. <i>IEEE Photonics Technology Letters</i> , 2007 , 19, 1804-1806	2.2	5
26	Compact Optical Waveguides Based on Hybrid Index and Surface-Plasmon-Polariton Guidance Mechanisms. <i>Active and Passive Electronic Components</i> , 2007 , 2007, 1-7	0.3	2
25	Measurement of Mueller matrix for an optical fiber system with birefringence and polarization-dependent loss or gain. <i>Optics Communications</i> , 2007 , 274, 116-123	2	12
24	Measurement of polarization mode dispersion vectors in optical fibers using a virtual Mueller matrix method. <i>Optical Engineering</i> , 2007 , 46, 035007	1.1	1
23	Guided plasmon polariton at 2D metal corners. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007 , 24, 2333	1.7	71
22	Scattering characteristics of simplified cylindrical invisibility cloaks. <i>Optics Express</i> , 2007 , 15, 17772-82	3.3	63
21	Birefringent optical fiber with a photonic crystal core 2006 ,		1

20	Theoretical investigation of highly birefringent all-solid photonic bandgap fiber with elliptical cladding rods. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 1243-1245	2.2	18
19	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> , 2006 , 18, 2038-2040	2.2	10
18	Design of All-Solid Bandgap Fiber With Improved Confinement and Bend Losses. <i>IEEE Photonics Technology Letters</i> , 2006 , 18, 2560-2562	2.2	15
17	Quasi-monochromatic fiber depolarizer and its application to polarization-dependent loss measurement. <i>Optics Letters</i> , 2006 , 31, 876-8	3	4
16	Guidance varieties in photonic crystal fibers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006 , 23, 1684	1.7	7
15	Analysis of perturbed Bragg fibers with an extended transfer matrix method. <i>Optics Express</i> , 2006 , 14, 2596-610	3.3	8
14	Generalized Mueller matrix method for polarization mode dispersion measurement in a system with polarization-dependent loss or gain. <i>Optics Express</i> , 2006 , 14, 5067-72	3.3	18
13	Coupling coefficient of two-core microstructured optical fiber. <i>Optics Communications</i> , 2006 , 260, 164-169		15
12	Generalized frequency dependence of output Stokes parameters in an optical fiber system with PMD and PDL/PDG. <i>Optics Express</i> , 2005 , 13, 8875-81	3.3	8
11	Strain-insensitive and high-temperature long-period gratings inscribed in photonic crystal fiber. <i>Optics Letters</i> , 2005 , 30, 367-9	3	80
10	Design of air-guiding honeycomb photonic bandgap fiber. <i>Optics Letters</i> , 2005 , 30, 465-7	3	30
9	Improved air-silica photonic crystal with a triangular airhole arrangement for hollow-core photonic bandgap fiber design. <i>Optics Letters</i> , 2005 , 30, 1920-2	3	5
8	Air guiding with honeycomb photonic bandgap fiber. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 64-66	2.2	17
7	Heterostructured photonic crystal fiber. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 1438-1440	2.2	13
6	Hole-assisted multiring fiber with low dispersion around 1550 nm. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 123-125	2.2	4
5	Honeycomb photonic bandgap fiber with a modified core design. <i>IEEE Photonics Technology Letters</i> , 2004 , 16, 2051-2053	2.2	11
4	Antiguinding in microstructured optical fibers. <i>Optics Express</i> , 2004 , 12, 104-16	3.3	10
3	Design and analysis of anti-resonant reflecting photonic crystal VCSEL lasers. <i>Optics Express</i> , 2004 , 12, 4269-74	3.3	6

2	Full-vector analysis of photonic crystal fibers using the boundary element method	2
1	Liquid Core Fibers based on Hollow Core Microstructured Fibers	1