

# Menglin L N Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7520539/publications.pdf>

Version: 2024-02-01

23  
papers

649  
citations

623734

14  
h-index

888059

17  
g-index

27  
all docs

27  
docs citations

27  
times ranked

612  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrathin Complementary Metasurface for Orbital Angular Momentum Generation at Microwave Frequencies. IEEE Transactions on Antennas and Propagation, 2017, 65, 396-400.	5.1	145
2	Artificial perfect electric conductor-perfect magnetic conductor anisotropic metasurface for generating orbital angular momentum of microwave with nearly perfect conversion efficiency. Journal of Applied Physics, 2016, 119, .	2.5	82
3	Orbital Angular Momentum Generation and Detection by Geometric-Phase Based Metasurfaces. Applied Sciences (Switzerland), 2018, 8, 362.	2.5	73
4	Detection of Orbital Angular Momentum With Metasurface at Microwave Band. IEEE Antennas and Wireless Propagation Letters, 2018, 17, 110-113.	4.0	51
5	Pseudospin-Polarized Topological Line Defects in Dielectric Photonic Crystals. IEEE Transactions on Antennas and Propagation, 2020, 68, 609-613.	5.1	48
6	Quasi-Continuous Metasurfaces for Orbital Angular Momentum Generation. IEEE Antennas and Wireless Propagation Letters, 2019, 18, 477-481.	4.0	37
7	Coexistence of pseudospin- and valley-Hall-like edge states in a photonic crystal with $C_2$ symmetry. Physical Review Research, 2020, 2, .	3.6	36
8	First-principle calculation of Chern number in gyrotropic photonic crystals. Optics Express, 2020, 28, 4638.	3.4	34
9	Polarization Control by Using Anisotropic 3-D Chiral Structures. IEEE Transactions on Antennas and Propagation, 2016, 64, 4687-4694.	5.1	27
10	Generation of Orbital Angular Momentum by a Point Defect in Photonic Crystals. Physical Review Applied, 2018, 10, .	3.8	24
11	Comparative study of Hermitian and non-Hermitian topological dielectric photonic crystals. Physical Review A, 2021, 104, .	2.5	18
12	Bound Topological Edge State in the Continuum for All-Dielectric Photonic Crystals. Physical Review Applied, 2021, 16, .	3.8	18
13	Approaching the Fundamental Limit of Orbital-Angular-Momentum Multiplexing Through a Hologram Metasurface. Physical Review Applied, 2021, 16, .	3.8	15
14	Analysis of electromagnetic vortex beams using modified dynamic mode decomposition in spatial angular domain. Optics Express, 2019, 27, 27702.	3.4	14
15	Local orbital-angular-momentum dependent surface states with topological protection. Optics Express, 2020, 28, 14428.	3.4	10
16	Extraction of the characteristics of vortex beams with a partial receiving aperture at arbitrary locations. Journal of Optics (United Kingdom), 2021, 23, 085601.	2.2	7
17	Orbital angular momentum (OAM) generation by composite PEC-PMC metasurfaces in microwave regime. , 2016, , .		2
18	A highly tunable sub-wavelength chiral structure for circular polarizer. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Novel complementary metasurfaces for the orbital angular momentum generation. , 2017, , .		1
20	Orbital angular momentum generation from a defect in photonic crystals. , 2017, , .		1
21	Detection of Multiple Orbital-Angular-Momentum Beams by a Single Metasurface. , 2018, , .		0
22	Orbital Angular Momentum Generation Using Composite Quasi-Continuous Metasurfaces with Perfect Efficiency. , 2018, , .		0
23	Generation of Orbital Angular Momentum in 3D Photonic Crystals. , 2019, , .		0