

# Mykhailo Tymchenko

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9171297/publications.pdf>

Version: 2024-02-01

26  
papers

1,958  
citations

687363

13  
h-index

940533

16  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2487  
citing authors

#	ARTICLE	IF	CITATIONS
1	Universal Frequency-Domain Analysis of N-Path Networks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 569-580.	5.4	1
2	Ultra-Wideband Switched-Capacitor Delays and Circulators Theory and Implementation. IEEE Journal of Solid-State Circuits, 2021, 56, 1412-1424.	5.4	10
3	Role of Synchronization in Magnetless Nonreciprocal Devices Based on Commutated Transmission Lines. Physical Review Applied, 2020, 13, .	3.8	1
4	CMOS Integrated Magnetless Circulators Based on Spatiotemporal Modulation Angular-Momentum Biasing. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 2649-2662.	4.6	41
5	Quasielectrostatic Wave Propagation Beyond the Delay-Bandwidth Limit in Switched Networks. Physical Review X, 2019, 9, .	8.9	21
6	Manipulation and Steering of Hyperbolic Surface Polaritons in Hexagonal Boron Nitride. Advanced Materials, 2018, 30, e1706358.	21.0	63
7	Nonlinear metasurfaces: a paradigm shift in nonlinear optics. Materials Today, 2018, 21, 8-21.	14.2	403
8	Nonreciprocal Components Based on Switched Transmission Lines. IEEE Transactions on Microwave Theory and Techniques, 2018, , 1-20.	4.6	21
9	Internal Nanostructure Diagnosis with Hyperbolic Phonon Polaritons in Hexagonal Boron Nitride. Nano Letters, 2018, 18, 5205-5210.	9.1	29
10	Flat nonlinear optics: metasurfaces for efficient frequency mixing. , 2017, , .		0
11	Synchronized conductivity modulation to realize broadband lossless magnetic-free non-reciprocity. Nature Communications, 2017, 8, 795.	12.8	95
12	Composite Floquet scattering matrix for the analysis of time-modulated systems. , 2017, , .		4
13	Ultrathin gradient nonlinear metasurfaces with giant nonlinear response (Conference Presentation). , 2016, , .		0
14	Ultrathin nonlinear metasurfaces. , 2016, , .		0
15	Ultrathin nonlinear metasurfaces with continuous phase control at the nanoscale. , 2016, , .		0
16	Ultrathin Second-Harmonic Metasurfaces with Record-High Nonlinear Optical Response. Advanced Optical Materials, 2016, 4, 664-670.	7.3	86
17	Ultrathin gradient nonlinear metasurface with a giant nonlinear response. Optica, 2016, 3, 283.	9.3	89
18	Gradient Nonlinear Pancharatnam-Berry Metasurfaces. Physical Review Letters, 2015, 115, 207403.	7.8	190

#	ARTICLE	IF	CITATIONS
19	Pancharatnam-Berry metasurfaces with giant nonlinear response. , 2015, , .		0
20	Nonlinear optics with quantum-engineered intersubband metamaterials. , 2015, , .		1
21	Hyperbolic Plasmons and Topological Transitions Over Uniaxial Metasurfaces. Physical Review Letters, 2015, 114, 233901.	7.8	280
22	Large-Area Nanoimprinted Colloidal Au Nanocrystal-Based Nanoantennas for Ultrathin Polarizing Plasmonic Metasurfaces. Nano Letters, 2015, 15, 5254-5260.	9.1	73
23	Highly-nonlinear quantum-engineered polaritonic metasurfaces. Proceedings of SPIE, 2015, , .	0.8	0
24	Hyperbolic metasurfaces. , 2015, , .		0
25	Giant nonlinear response of polaritonic metasurfaces coupled to intersubband transition. , 2015, , .		0
26	Giant nonlinear response from plasmonic metasurfaces coupled to intersubband transitions. Nature, 2014, 511, 65-69.	27.8	550