

# Yonatan Plotnik

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

4,983  
citations

687363

13  
h-index

1058476

14  
g-index

31  
all docs

31  
docs citations

31  
times ranked

3601  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mode-Locked Topological Insulator Laser Utilizing Synthetic Dimensions. <i>Physical Review X</i> , 2020, 10, .	8.9	38
2	Generalized laws of refraction and reflection at interfaces between different photonic artificial gauge fields. <i>Light: Science and Applications</i> , 2020, 9, 200.	16.6	18
3	Experimentally Realizing Photonic Topological Edge States in 3D. , 2020, , .		2
4	Photonic topological insulator in synthetic dimensions. <i>Nature</i> , 2019, 567, 356-360.	27.8	215
5	Mode-locked Topological Laser in Synthetic Dimensions. , 2019, , .		0
6	Experimental Observation of Generalized Snell's Law in an Interface Between Different Photonic Artificial Gauge Fields. , 2019, , .		0
7	Photonic topological Anderson insulators. <i>Nature</i> , 2018, 560, 461-465.	27.8	205
8	Topologically protected photonic propagation in the bulk. , 2017, , .		1
9	Photonic topologically protected bulk propagation. , 2017, , .		0
10	Reflection and refraction in artificial photonic gauge fields. , 2017, , .		0
11	Artificial Gauge Fields and Topological Phenomena Through All-Dielectric Birefringence. , 2017, , .		0
12	Topological protection of photonic path entanglement. <i>Optica</i> , 2016, 3, 925.	9.3	77
13	Instability of bosonic topological edge states in the presence of interactions. <i>Physical Review A</i> , 2016, 94, .	2.5	55
14	Topological Lasers. , 2016, , .		4
15	Experimental Demonstration of Waveguiding by Artificial Gauge Field. , 2016, , .		0
16	Artificial Gauge Fields and Photonic Topological Phenomena. , 2016, , .		0
17	Parity-time (PT) symmetric topological interface states. , 2015, , .		1
18	Topological Insulators in $PT$ -Symmetric Lattices. , 2015, , .		5

#	ARTICLE	IF	CITATIONS
19	Observation of a Topological Transition in the Bulk of a Non-Hermitian System. Physical Review Letters, 2015, 115, 040402.	7.8	551
20	Topological Protection of Path Entanglement in Photonic Quantum Walks. , 2015, , .		0
21	Topological Control of Bloch Oscillations of Edge Modes in Photonic Lattices. , 2015, , .		0
22	Experimental realization of a topological Anderson insulator. , 2015, , .		3
23	Photonic Topological Edge Modes without an Edge. , 2015, , .		0
24	Observation of unconventional edge states in $\tilde{\epsilon}$ -photonic graphene <sup>TM</sup> . Nature Materials, 2014, 13, 57-62.	27.5	274
25	Bulk optical measurement of topological numbers in photonic lattices with a non-Hermitian system. , 2014, , .		0
26	Topological Creation and Destruction of Edge States in Photonic Graphene. Physical Review Letters, 2013, 111, 103901.	7.8	228
27	Self-Localized States in Photonic Topological Insulators. Physical Review Letters, 2013, 111, 243905.	7.8	221
28	Photonic Floquet topological insulators. Nature, 2013, 496, 196-200.	27.8	2,446
29	Nonlinearly Induced $P \rightarrow T$ Transition in Photonic Systems. Physical Review Letters, 2013, 111, 263901.	7.8	135
30	Photonic Floquet topological insulators. Proceedings of SPIE, 2013, , .	0.8	4
31	Experimental Observation of Optical Bound States in the Continuum. Physical Review Letters, 2011, 107, 183901.	7.8	500