

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	Photonic Floquet topological insulators. Nature, 2013, 496, 196-200.	27.8	2,446
2	Observation of a Topological Transition in the Bulk of a Non-Hermitian System. Physical Review Letters, 2015, 115, 040402.	7.8	551
3	Experimental Observation of Optical Bound States in the Continuum. Physical Review Letters, 2011, 107, 183901.	7.8	500
4	Observation of unconventional edge states in $\tilde{\epsilon}$ -photonic graphene TM . Nature Materials, 2014, 13, 57-62.	27.5	274
5	Topological Creation and Destruction of Edge States in Photonic Graphene. Physical Review Letters, 2013, 111, 103901.	7.8	228
6	Self-Localized States in Photonic Topological Insulators. Physical Review Letters, 2013, 111, 243905.	7.8	221
7	Photonic topological insulator in synthetic dimensions. Nature, 2019, 567, 356-360.	27.8	215
8	Photonic topological Anderson insulators. Nature, 2018, 560, 461-465.	27.8	205
9	Nonlinearly Induced $P \rightarrow T$ Transition in Photonic Systems. Physical Review Letters, 2013, 111, 263901.	7.8	135
10	Topological protection of photonic path entanglement. Optica, 2016, 3, 925.	9.3	77
11	Instability of bosonic topological edge states in the presence of interactions. Physical Review A, 2016, 94, .	2.5	55
12	Mode-Locked Topological Insulator Laser Utilizing Synthetic Dimensions. Physical Review X, 2020, 10, .	8.9	38
13	Generalized laws of refraction and reflection at interfaces between different photonic artificial gauge fields. Light: Science and Applications, 2020, 9, 200.	16.6	18
14	Topological Insulators in PT -Symmetric Lattices. , 2015, , .		5
15	Photonic Floquet topological insulators. Proceedings of SPIE, 2013, , .	0.8	4
16	Topological Lasers. , 2016, , .		4
17	Experimental realization of a topological Anderson insulator. , 2015, , .		3
18	Experimentally Realizing Photonic Topological Edge States in 3D. , 2020, , .		2

#	ARTICLE	IF	CITATIONS
19	Parity-time (PT) symmetric topological interface states. , 2015, , .		1
20	Topologically protected photonic propagation in the bulk. , 2017, , .		1
21	Bulk optical measurement of topological numbers in photonic lattices with a non-Hermitian system. , 2014, , .		0
22	Topological Protection of Path Entanglement in Photonic Quantum Walks. , 2015, , .		0
23	Topological Control of Bloch Oscillations of Edge Modes in Photonic Lattices. , 2015, , .		0
24	Photonic Topological Edge Modes without an Edge. , 2015, , .		0
25	Experimental Demonstration of Waveguiding by Artificial Gauge Field. , 2016, , .		0
26	Artificial Gauge Fields and Photonic Topological Phenomena. , 2016, , .		0
27	Photonic topologically protected bulk propagation. , 2017, , .		0
28	Reflection and refraction in artificial photonic gauge fields. , 2017, , .		0
29	Artificial Gauge Fields and Topological Phenomena Through All-Dielectric Birefringence. , 2017, , .		0
30	Mode-locked Topological Laser in Synthetic Dimensions. , 2019, , .		0
31	Experimental Observation of Generalized Snell's Law in an Interface Between Different Photonic Artificial Gauge Fields. , 2019, , .		0