

Andrea Blanco-Redondo

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,129
citations

567281
15
h-index

752698
20
g-index

25
all docs

25
docs citations

25
times ranked

804
citing authors

#	ARTICLE	IF	CITATIONS
1	Roadmap on topological photonics. JPhys Photonics, 2022, 4, 032501.	4.6	56
2	Spectrally periodic pulses for enhancement of optical nonlinear effects. Nature Physics, 2022, 18, 59-66.	16.7	40
3	Biphoton entanglement of topologically distinct modes. Physical Review A, 2022, 105, .	2.5	12
4	Infinite hierarchy of solitons: Interaction of Kerr nonlinearity with even orders of dispersion. Physical Review Research, 2021, 3, .	3.6	33
5	3D-Printed Terahertz Topological Waveguides. Advanced Materials Technologies, 2021, 6, 2100252.	5.8	17
6	Terahertz Waveguide: 3D-Printed Terahertz Topological Waveguides (Adv. Mater. Technol. 7/2021). Advanced Materials Technologies, 2021, 6, 2170040.	5.8	0
7	Generalized self-similar propagation and amplification of optical pulses in nonlinear media with high-order normal dispersion. Physical Review A, 2021, 104, .	2.5	4
8	Pure-quartic solitons and their generalizations—Theory and experiments. APL Photonics, 2021, 6, .	5.7	33
9	Special Topic on Integrated Quantum Photonics. APL Photonics, 2021, 6, 120401.	5.7	0
10	Topological Nanophotonics: Toward Robust Quantum Circuits. Proceedings of the IEEE, 2020, 108, 837-849.	21.3	28
11	The pure-quartic soliton laser. Nature Photonics, 2020, 14, 492-497.	31.4	114
12	Self-similar propagation of optical pulses in fibers with positive quartic dispersion. Optics Letters, 2020, 45, 3365.	3.3	23
13	Quartic self-similar propagation in an optical fiber. , 2020, , .		0
14	Bragg Soliton Fission: Bragg Soliton Compression and Fission on CMOS-Compatible Ultra-Silicon-Rich Nitride (Laser Photonics Rev. 13(8)/2019). Laser and Photonics Reviews, 2019, 13, 1970032.	8.7	2
15	Bragg Soliton Compression and Fission on CMOS-Compatible Ultra-Silicon-Rich Nitride. Laser and Photonics Reviews, 2019, 13, 1900114.	8.7	37
16	Topologically robust entangled states in silicon. , 2019, , .		0
17	Topologically protected entangled photonic states. Nanophotonics, 2019, 8, 1327-1335.	6.0	68
18	Stationary and dynamical properties of pure-quartic solitons. Optics Letters, 2019, 44, 3306.	3.3	67

#	ARTICLE	IF	CITATIONS
19	Topological protection of biphoton states. Science, 2018, 362, 568-571.	12.6	203
20	High-energy ultra-short pulses from pure-quartic solitons. , 2017, , .		2
21	Topological Optical Waveguiding in Silicon and the Transition between Topological and Trivial Defect States. Physical Review Letters, 2016, 116, 163901.	7.8	195
22	Pure-quartic solitons. Nature Communications, 2016, 7, 10427.	12.8	160
23	Local Field Enhancement of Mid-Infrared Light in an Integrated Photonic-Plasmonic Structure. Journal of Lightwave Technology, 2015, 33, 368-371.	4.6	2
24	Controlling free-carrier temporal effects in silicon by dispersion engineering. Optica, 2014, 1, 299.	9.3	27