

Lewis Hill

List of Publications by Year in descending order

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9
papers

212
citations

1478505

6
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1872680

6
g-index

9
all docs

9
docs citations

9
times ranked

80
citing authors

#	ARTICLE	IF	CITATIONS
1	Universal symmetry-breaking dynamics for the Kerr interaction of counterpropagating light in dielectric ring resonators. <i>Physical Review A</i> , 2018, 98, .	2.5	54
2	Spontaneous symmetry breaking of dissipative optical solitons in a two-component Kerr resonator. <i>Nature Communications</i> , 2021, 12, 4023.	12.8	48
3	Effects of self- and cross-phase modulation on the spontaneous symmetry breaking of light in ring resonators. <i>Physical Review A</i> , 2020, 101, .	2.5	39
4	Self-Switching Kerr Oscillations of Counterpropagating Light in Microresonators. <i>Physical Review Letters</i> , 2021, 126, 043901.	7.8	32
5	A Kerr polarization controller. <i>Nature Communications</i> , 2022, 13, 398.	12.8	23
6	Breathing dynamics of symmetry-broken temporal cavity solitons in Kerr ring resonators. <i>Optics Letters</i> , 2022, 47, 1486.	3.3	15
7	Breathing dynamics of symmetry-broken polarized temporal cavity solitons in Kerr ring resonators. , 2020, , .		1
8	Spontaneous Symmetry Breaking, Oscillations, and Chaotic Regimes in Bidirectionally-Pumped Ring Resonators. , 2019, , .		0
9	A Kerr Oscillator based on Counterpropagating Light in a Microresonator. , 2021, , .		0