

Maxim A Gorlach

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

34
papers

664
citations

12
h-index

25
g-index

49
ext. papers

1,052
ext. citations

5.6
avg, IF

4.69
L-index

#	Paper	IF	Citations
34	Photonic quadrupole topological phases. <i>Nature Photonics</i> , 2019 , 13, 692-696	33.9	180
33	Higher-order topological states in photonic kagome crystals with long-range interactions. <i>Nature Photonics</i> , 2020 , 14, 89-94	33.9	91
32	Far-field probing of leaky topological states in all-dielectric metasurfaces. <i>Nature Communications</i> , 2018 , 9, 909	17.4	79
31	Topological edge states in acoustic Kagome lattices. <i>New Journal of Physics</i> , 2017 , 19, 055002	2.9	38
30	Topological edge states of interacting photon pairs emulated in a topolectrical circuit. <i>Nature Communications</i> , 2020 , 11, 1436	17.4	37
29	Topological edge states of bound photon pairs. <i>Physical Review A</i> , 2017 , 95,	2.6	36
28	Interaction-induced two-photon edge states in an extended Hubbard model realized in a cavity array. <i>Physical Review A</i> , 2017 , 95,	2.6	19
27	Matter-Wave Tractor Beams. <i>Physical Review Letters</i> , 2017 , 118, 180401	7.4	16
26	Spatial-dispersion-induced birefringence in metamaterials with cubic symmetry. <i>Physical Review B</i> , 2015 , 92,	3.3	16
25	Effect of spatial dispersion on the topological transition in metamaterials. <i>Physical Review B</i> , 2014 , 90,	3.3	15
24	Photonic Jackiw-Rebbi states in all-dielectric structures controlled by bianisotropy. <i>Physical Review B</i> , 2019 , 99,	3.3	14
23	Nonlocal homogenization for nonlinear metamaterials. <i>Physical Review B</i> , 2016 , 93,	3.3	14
22	Boundary conditions for the effective-medium description of subwavelength multilayered structures. <i>Physical Review B</i> , 2020 , 101,	3.3	12
21	Nonlocality in uniaxially polarizable media. <i>Physical Review B</i> , 2015 , 92,	3.3	12
20	Topological transition in coated wire medium. <i>Physica Status Solidi - Rapid Research Letters</i> , 2016 , 10, 900-904	2.5	11
19	Simulation of two-boson bound states using arrays of driven-dissipative coupled linear optical resonators. <i>Physical Review A</i> , 2018 , 98,	2.6	11
18	Giant spatial-dispersion-induced birefringence in metamaterials. <i>Physical Review B</i> , 2016 , 93,	3.3	8

17	Nonlocal response of Mie-resonant dielectric particles. <i>Physical Review B</i> , 2020 , 102,	3.3	8
16	Self-induced torque in discrete uniaxial metamaterials. <i>Physical Review B</i> , 2014 , 90,	3.3	7
15	Interaction-induced topological states of photon pairs. <i>Physical Review A</i> , 2020 , 102,	2.6	6
14	Enhanced Photoluminescence of Halide Perovskite Nanocrystals Mediated by a Higher-Order Topological Metasurface. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 9884-9890	3.8	5
13	Topological interface states mediated by spontaneous symmetry breaking. <i>Physical Review B</i> , 2018 , 98,	3.3	4
12	Nonlinear symmetry breaking in photometamaterials. <i>Physical Review B</i> , 2018 , 97,	3.3	3
11	Scaling laws, pressure anisotropy, and thermodynamic effects for blackbody radiation in a finite cavity. <i>Physical Review A</i> , 2014 , 89,	2.6	3
10	Photonic spin Hall effect mediated by bianisotropy. <i>Optics Letters</i> , 2019 , 44, 1694-1697	3	3
9	Topological states in arrays of optical waveguides engineered via mode interference. <i>Physical Review B</i> , 2020 , 102,	3.3	3
8	Topological excitations and bound photon pairs in a superconducting quantum metamaterial. <i>Physical Review B</i> , 2021 , 103,	3.3	3
7	Photonic Topological States Mediated by Staggered Bianisotropy. <i>Laser and Photonics Reviews</i> , 2021 , 15, 1900392	8.3	3
6	Splitting of emission-spectrum lines in an anisotropic medium due to self-induced torque. <i>Physical Review A</i> , 2014 , 89,	2.6	1
5	Spatial dispersion in metamaterials based on three-dimensional arrays of spheres and disks 2015 ,		1
4	Topological States in Qubit Arrays Induced by Density-Dependent Coupling. <i>Physical Review Applied</i> , 2020 , 14,	4.3	1
3	Probing the topology of the two-photon bands via time-dependent quantum walks. <i>Optics Letters</i> , 2021 , 46, 2726-2729	3	1
2	Fano Resonances in Topological Photonic Systems. <i>Springer Series in Optical Sciences</i> , 2018 , 425-443	0.5	1
1	Topological interface states due to spontaneous symmetry breaking in a chain of anharmonic oscillators. <i>Journal of Physics: Conference Series</i> , 2018 , 1092, 012128	0.3	