

# Maxim A Gorlach

## List of Publications by Year in Descending Order

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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	Enhanced Photoluminescence of Halide Perovskite Nanocrystals Mediated by a Higher-Order Topological Metasurface. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 9884-9890	3.8	5
33	Probing the topology of the two-photon bands via time-dependent quantum walks. <i>Optics Letters</i> , <b>2021</b> , 46, 2726-2729	3	1
32	Topological excitations and bound photon pairs in a superconducting quantum metamaterial. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	3
31	Photonic Topological States Mediated by Staggered Bianisotropy. <i>Laser and Photonics Reviews</i> , <b>2021</b> , 15, 1900392	8.3	3
30	Topological edge states of interacting photon pairs emulated in a topoelectrical circuit. <i>Nature Communications</i> , <b>2020</b> , 11, 1436	17.4	37
29	Boundary conditions for the effective-medium description of subwavelength multilayered structures. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	12
28	Topological States in Qubit Arrays Induced by Density-Dependent Coupling. <i>Physical Review Applied</i> , <b>2020</b> , 14,	4.3	1
27	Higher-order topological states in photonic kagome crystals with long-range interactions. <i>Nature Photonics</i> , <b>2020</b> , 14, 89-94	33.9	91
26	Topological states in arrays of optical waveguides engineered via mode interference. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	3
25	Interaction-induced topological states of photon pairs. <i>Physical Review A</i> , <b>2020</b> , 102,	2.6	6
24	Nonlocal response of Mie-resonant dielectric particles. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	8
23	Photonic quadrupole topological phases. <i>Nature Photonics</i> , <b>2019</b> , 13, 692-696	33.9	180
22	Photonic Jackiw-Rebbi states in all-dielectric structures controlled by bianisotropy. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	14
21	Photonic spin Hall effect mediated by bianisotropy. <i>Optics Letters</i> , <b>2019</b> , 44, 1694-1697	3	3
20	Nonlinear symmetry breaking in photometamaterials. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	3
19	Far-field probing of leaky topological states in all-dielectric metasurfaces. <i>Nature Communications</i> , <b>2018</b> , 9, 909	17.4	79
18	Topological interface states mediated by spontaneous symmetry breaking. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	4

17	Topological interface states due to spontaneous symmetry breaking in a chain of anharmonic oscillators. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1092, 012128	0.3	
16	Fano Resonances in Topological Photonic Systems. <i>Springer Series in Optical Sciences</i> , <b>2018</b> , 425-443	0.5	1
15	Simulation of two-boson bound states using arrays of driven-dissipative coupled linear optical resonators. <i>Physical Review A</i> , <b>2018</b> , 98,	2.6	11
14	Topological edge states in acoustic Kagome lattices. <i>New Journal of Physics</i> , <b>2017</b> , 19, 055002	2.9	38
13	Interaction-induced two-photon edge states in an extended Hubbard model realized in a cavity array. <i>Physical Review A</i> , <b>2017</b> , 95,	2.6	19
12	Matter-Wave Tractor Beams. <i>Physical Review Letters</i> , <b>2017</b> , 118, 180401	7.4	16
11	Topological edge states of bound photon pairs. <i>Physical Review A</i> , <b>2017</b> , 95,	2.6	36
10	Nonlocal homogenization for nonlinear metamaterials. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	14
9	Giant spatial-dispersion-induced birefringence in metamaterials. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	8
8	Topological transition in coated wire medium. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2016</b> , 10, 900-904	2.5	11
7	Spatial-dispersion-induced birefringence in metamaterials with cubic symmetry. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	16
6	Nonlocality in uniaxially polarizable media. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	12
5	Spatial dispersion in metamaterials based on three-dimensional arrays of spheres and disks <b>2015</b> ,		1
4	Scaling laws, pressure anisotropy, and thermodynamic effects for blackbody radiation in a finite cavity. <i>Physical Review A</i> , <b>2014</b> , 89,	2.6	3
3	Splitting of emission-spectrum lines in an anisotropic medium due to self-induced torque. <i>Physical Review A</i> , <b>2014</b> , 89,	2.6	1
2	Self-induced torque in discrete uniaxial metamaterials. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	7
1	Effect of spatial dispersion on the topological transition in metamaterials. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	15