

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.

59 papers	855 citations	14 h-index	28 g-index
71 ext. papers	1,041 ext. citations	4.5 avg, IF	4.37 L-index

#	Paper	IF	Citations
59	An electrically pumped polariton laser. <i>Nature</i> , 2013 , 497, 348-52	50.4	325
58	Nonlinear terahertz emission in semiconductor microcavities. <i>Physical Review Letters</i> , 2011 , 107, 027401	7.4	41
57	Collective state transitions of exciton-polaritons loaded into a periodic potential. <i>Physical Review B</i> , 2016 , 93,	3.3	39
56	Spatial coherence properties of one dimensional exciton-polariton condensates. <i>Physical Review Letters</i> , 2014 , 113, 203902	7.4	34
55	An exciton-polariton mediated all-optical router. <i>Applied Physics Letters</i> , 2013 , 103, 201105	3.4	32
54	Stochastic Gross-Pitaevskii equation for the dynamical thermalization of Bose-Einstein condensates. <i>Physical Review Letters</i> , 2013 , 110, 127402	7.4	25
53	Asymmetric quantum dot in a microcavity as a nonlinear optical element. <i>Physical Review A</i> , 2012 , 85,	2.6	24
52	Lasing in Bose-Fermi mixtures. <i>Scientific Reports</i> , 2016 , 6, 20091	4.9	20
51	Spin multistability in dissipative polariton channels. <i>Physical Review B</i> , 2012 , 86,	3.3	18
50	Magnetoplasmon Fano resonance in Bose-Fermi mixtures. <i>Physical Review B</i> , 2016 , 94,	3.3	18
49	Evolution of Temporal Coherence in Confined Exciton-Polariton Condensates. <i>Physical Review Letters</i> , 2018 , 120, 017401	7.4	17
48	Dissipative soliton protocols in semiconductor microcavities at finite temperatures. <i>Physical Review B</i> , 2015 , 92,	3.3	17
47	Fluctuations of work in nearly adiabatically driven open quantum systems. <i>Physical Review E</i> , 2015 , 91, 022126	2.4	17
46	Density-matrix approach for an interacting polariton system. <i>Physical Review B</i> , 2011 , 83,	3.3	17
45	Valley Acoustoelectric Effect. <i>Physical Review Letters</i> , 2019 , 122, 256801	7.4	14
44	Bistability phenomena in one-dimensional polariton wires. <i>Physical Review B</i> , 2011 , 84,	3.3	13
43	Photon drag of a Bose-Einstein condensate. <i>Physical Review B</i> , 2018 , 98,	3.3	12

42	Shedding light on topological superconductors. <i>Physical Review B</i> , 2018 , 98,	3.3	11
41	Multivalley engineering in semiconductor microcavities. <i>Scientific Reports</i> , 2017 , 7, 45243	4.9	10
40	Optical Transistor for Amplification of Radiation in a Broadband Terahertz Domain. <i>Physical Review Letters</i> , 2020 , 124, 087701	7.4	10
39	Coherent Topological Polariton Laser. <i>ACS Photonics</i> , 2021 , 8, 1377-1384	6.3	9
38	Paramagnetic resonance in spin-polarized disordered Bose-Einstein condensates. <i>Scientific Reports</i> , 2017 , 7, 2076	4.9	8
37	Excitation of localized condensates in the flat band of the exciton-polariton Lieb lattice. <i>Physical Review B</i> , 2018 , 98,	3.3	8
36	Bogolon-mediated electron capture by impurities in hybrid Bose-Fermi systems. <i>Physical Review B</i> , 2018 , 97,	3.3	7
35	Parity measurement of remote qubits using dispersive coupling and photodetection. <i>Physical Review A</i> , 2015 , 92,	2.6	7
34	Exciton-Polariton Topological Insulator with an Array of Magnetic Dots. <i>Physical Review Applied</i> , 2019 , 12,	4.3	7
33	Valley Hall transport of photon-dressed quasiparticles in two-dimensional Dirac semiconductors. <i>New Journal of Physics</i> , 2018 , 20, 083007	2.9	7
32	Unconventional Bloch-Grüneisen Scattering in Hybrid Bose-Fermi Systems. <i>Physical Review Letters</i> , 2019 , 123, 095301	7.4	6
31	Bogolon-mediated electron scattering in graphene in hybrid Bose-Fermi systems. <i>Physical Review B</i> , 2019 , 99,	3.3	6
30	Proposal for frequency-selective photodetector based on the resonant photon drag effect in a condensate of indirect excitons. <i>Physical Review B</i> , 2018 , 98,	3.3	6
29	Nonlinear effects in multi-photon polaritonics. <i>Optics Express</i> , 2013 , 21, 15183-94	3.3	6
28	Ultrafast exciton-polariton scattering towards the Dirac points. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 105301	1.8	5
27	Quantum treatment of the Bose-Einstein condensation in nonequilibrium systems. <i>Physical Review B</i> , 2015 , 92,	3.3	5
26	Resonant Photon Drag of Dipolar Excitons. <i>JETP Letters</i> , 2018 , 107, 737-741	1.2	5
25	Photogalvanic currents in dynamically gapped transition metal dichalcogenide monolayers. <i>Physical Review B</i> , 2019 , 99,	3.3	4

24	Proposal for Plasmon Spectroscopy of Fluctuations in Low-Dimensional Superconductors. <i>Physical Review Letters</i> , 2020 , 124, 207002	7.4	4
23	Quantum anomalous valley Hall effect for bosons. <i>Physical Review B</i> , 2019 , 100,	3.3	4
22	Bose-Einstein condensate-mediated superconductivity in graphene. <i>2D Materials</i> , 2021 , 8, 031004	5.9	4
21	Kinetic Monte Carlo approach to nonequilibrium bosonic systems. <i>Physical Review B</i> , 2017 , 96,	3.3	3
20	Theory of BCS-like bogolon-mediated superconductivity in transition metal dichalcogenides. <i>New Journal of Physics</i> , 2021 , 23, 023023	2.9	3
19	Interplay between collective modes in hybrid electron-gas-superconductor structures. <i>Physical Review B</i> , 2020 , 101,	3.3	2
18	Phase selection and intermittency of exciton-polariton condensates in one-dimensional periodic structures. <i>Physical Review A</i> , 2019 , 100,	2.6	2
17	Spatial coherence of polaritons in a 1D channel. <i>Journal of Experimental and Theoretical Physics</i> , 2013 , 116, 32-38	1	2
16	Refractive index of laser active region based on InAs/InGaAs quantum dots. <i>Journal of Nanophotonics</i> , 2013 , 7, 073087	1.1	2
15	Exciton-polariton laser diodes 2014 ,		2
14	Exciton-polariton lasers in Magnetic Fields 2013 ,		2
13	Acoustomagnetolectric effect in two-dimensional materials: Geometric resonances and Weiss oscillations. <i>Physical Review B</i> , 2020 , 102,	3.3	2
12	Acoustoelectric effect in two-dimensional Dirac materials exposed to Rayleigh surface acoustic waves. <i>Physical Review B</i> , 2020 , 102,	3.3	2
11	Operation of a semiconductor microcavity under electric excitation. <i>Applied Physics Letters</i> , 2016 , 109, 061110	3.4	2
10	Coulomb drag of excitons in Bose-Fermi systems. <i>Physical Review B</i> , 2019 , 99,	3.3	1
9	An electrically pumped polariton laser 2015 ,		1
8	Spectral selection of spatial modes in edge-emitting lasers. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012 , 9, 1292-1295		1
7	An electrically driven polariton laser 2013 ,		1

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| 6 | Coherent photogalvanic effect in fluctuating superconductors. <i>Physical Review B</i> , 2021 , 103, | 3.3 | 1 |
| 5 | Polariton condensation in photonic crystals with high molecular orientation. <i>New Journal of Physics</i> , 2018 , 20, 013037 | 2.9 | 1 |
| 4 | Strong-coupling theory of condensate-mediated superconductivity in two-dimensional materials. <i>Physical Review Research</i> , 2021 , 3, | 3.9 | 1 |
| 3 | Rashba plasmon polaritons in semiconductor heterostructures. <i>Applied Physics Letters</i> , 2013 , 102, 101105.4 | | |
| 2 | Partial quantum revivals of localized condensates in distorted lattices. <i>Optics Letters</i> , 2020 , 45, 1571-1574 | | |
| 1 | Magnetoplasmon resonance in two-dimensional fluctuating superconductors. <i>New Journal of Physics</i> , 2021 , 23, 093009 | 2.9 | |