

# Mikhail Tokman

## 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.

20  
papers

502  
citations

10  
h-index

22  
g-index

22  
ext. papers

641  
ext. citations

5.3  
avg, IF

4.06  
L-index

#	Paper	IF	Citations
20	Dynamics and control of entangled electron-photon states in nanophotonic systems with time-variable parameters. <i>Physical Review A</i> , <b>2021</b> , 103,	2.6	1
19	Inverse Faraday effect in graphene and Weyl semimetals. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	7
18	Four-wave mixing in Weyl semimetals. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	4
17	Generation and dynamics of entangled fermion-photon-phonon states in nanocavities. <i>Nanophotonics</i> , <b>2020</b> , 10, 491-511	6.3	2
16	Second harmonic generation in graphene dressed by a strong terahertz field. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	11
15	Ultrafast coherent nonlinear nanooptics and nanoimaging of graphene. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 838-843	28.7	43
14	Optical properties and electromagnetic modes of Weyl semimetals. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	19
13	Optical Hall effect and gyrotropy of surface polaritons in Weyl semimetals. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	6
12	Purcell enhancement of the parametric down-conversion in two-dimensional nonlinear materials. <i>APL Photonics</i> , <b>2019</b> , 4, 034403	5.2	7
11	Enhancement of the spontaneous emission in subwavelength quasi-two-dimensional waveguides and resonators. <i>Physical Review A</i> , <b>2018</b> , 97,	2.6	6
10	Magnetopolaritons in Weyl Semimetals in a Strong Magnetic Field. <i>Physical Review Letters</i> , <b>2018</b> , 120, 037403	7.4	19
9	Difference frequency generation of surface plasmon-polaritons in Landau quantized graphene. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	6
8	Laser-driven parametric instability and generation of entangled photon-plasmon states in graphene. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	21
7	Second-order nonlinear optical response of graphene. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	48
6	Continuous-wave lasing between Landau levels in graphene. <i>Physical Review A</i> , <b>2015</b> , 91,	2.6	14
5	Valley entanglement of excitons in monolayers of transition-metal dichalcogenides. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	9
4	Efficient nonlinear generation of THz plasmons in graphene and topological insulators. <i>Physical Review Letters</i> , <b>2014</b> , 112, 055501	7.4	122

3	Superradiant decay of cyclotron resonance of two-dimensional electron gases. <i>Physical Review Letters</i> , <b>2014</b> , 113, 047601	7.4	68
2	Corrections to the phenomenological relaxation models for open quantum systems. <i>Journal of Luminescence</i> , <b>2013</b> , 137, 148-156	3.8	8
1	Generation of entangled photons in graphene in a strong magnetic field. <i>Physical Review Letters</i> , <b>2013</b> , 110, 077404	7.4	81