

Mikhail Tokman

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

720
citations

686830

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676716

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22
all docs

22
docs citations

22
times ranked

831
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Nonlinear Generation of THz Plasmons in Graphene and Topological Insulators. Physical Review Letters, 2014, 112, 055501.	2.9	146
2	Generation of Entangled Photons in Graphene in a Strong Magnetic Field. Physical Review Letters, 2013, 110, 077404.	2.9	101
3	Superradiant Decay of Cyclotron Resonance of Two-Dimensional Electron Gases. Physical Review Letters, 2014, 113, 047601.	2.9	88
4	Ultrafast coherent nonlinear nanooptics and nanoimaging of graphene. Nature Nanotechnology, 2019, 14, 838-843.	15.6	78
5	Second-order nonlinear optical response of graphene. Physical Review B, 2016, 94, .	1.1	64
6	Optical properties and electromagnetic modes of Weyl semimetals. Physical Review B, 2019, 99, .	1.1	35
7	Laser-driven parametric instability and generation of entangled photon-plasmon states in graphene. Physical Review B, 2016, 93, .	1.1	29
8	Magnetopolaritons in Weyl Semimetals in a Strong Magnetic Field. Physical Review Letters, 2018, 120, 037403.	2.9	22
9	Second harmonic generation in graphene dressed by a strong terahertz field. Physical Review B, 2019, 99, .	1.1	21
10	Inverse Faraday effect in graphene and Weyl semimetals. Physical Review B, 2020, 101, .	1.1	20
11	Continuous-wave lasing between Landau levels in graphene. Physical Review A, 2015, 91, .	1.0	19
12	Valley entanglement of excitons in monolayers of transition-metal dichalcogenides. Physical Review B, 2015, 92, .	1.1	18
13	Purcell enhancement of the parametric down-conversion in two-dimensional nonlinear materials. APL Photonics, 2019, 4, 034403.	3.0	14
14	Optical Hall effect and gyrotropy of surface polaritons in Weyl semimetals. Physical Review B, 2019, 100, .	1.1	11
15	Corrections to the phenomenological relaxation models for open quantum systems. Journal of Luminescence, 2013, 137, 148-156.	1.5	9
16	Enhancement of the spontaneous emission in subwavelength quasi-two-dimensional waveguides and resonators. Physical Review A, 2018, 97, .	1.0	9
17	Four-wave mixing in Weyl semimetals. Physical Review B, 2020, 101, .	1.1	9
18	Difference frequency generation of surface plasmon-polaritons in Landau quantized graphene. Physical Review B, 2018, 98, .	1.1	8

#	ARTICLE	IF	CITATIONS
19	Dynamics and control of entangled electron-photon states in nanophotonic systems with time-variable parameters. <i>Physical Review A</i> , 2021, 103, .	1.0	7
20	Generation and dynamics of entangled fermion-“photon”-phonon states in nanocavities. <i>Nanophotonics</i> , 2020, 10, 491-511.	2.9	7
21	Generation of entangled photons via parametric down-conversion in semiconductor lasers and integrated quantum photonic systems. <i>Physical Review A</i> , 2022, 105, .	1.0	4
22	Relaxation operator for quasiparticles in a solid. <i>Physical Review B</i> , 2020, 102, .	1.1	1