

Alexey B Kuzmenko

List of Publications by Year in Descending Order

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Version: 2024-04-10

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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.

21 papers	1,557 citations	12 h-index	25 g-index
25 ext. papers	1,785 ext. citations	7.6 avg, IF	4.74 L-index

#	Paper	IF	Citations
21	Nanoinfrared Characterization of Bilayer Graphene Conductivity under Dual-Gate Tuning. <i>Nano Letters</i> , 2021 , 21, 5151-5157	11.5	5
20	Electronic transport in submicrometric channels at the LaAlO ₃ /SrTiO ₃ interface. <i>Physical Review B</i> , 2021 , 103,	3.3	1
19	Optical properties of LaNiO ₃ films tuned from compressive to tensile strain. <i>Physical Review B</i> , 2020 , 102,	3.3	2
18	High sensitivity variable-temperature infrared nanoscopy of conducting oxide interfaces. <i>Nature Communications</i> , 2019 , 10, 2774	17.4	10
17	Colossal infrared and terahertz magneto-optical activity in a two-dimensional Dirac material. <i>Nature Nanotechnology</i> , 2019 , 14, 756-761	28.7	16
16	Magnetically tunable graphene-based reflector under linear polarized incidence at room temperature. <i>Applied Physics Letters</i> , 2018 , 112, 151103	3.4	3
15	Magnetoplasmonic enhancement of Faraday rotation in patterned graphene metasurfaces. <i>Physical Review B</i> , 2018 , 97,	3.3	20
14	Light scattering from the critical modes of the Verwey transition in magnetite. <i>Physical Review B</i> , 2018 , 98,	3.3	3
13	Electrically controlled terahertz magneto-optical phenomena in continuous and patterned graphene. <i>Nature Communications</i> , 2017 , 8, 14626	17.4	68
12	Real-Time Observation of Phonon-Mediated π -Interband Scattering in MgB ₂ . <i>Physical Review Letters</i> , 2017 , 119, 097002	7.4	9
11	Infrared study of lattice dynamics and spin-phonon and electron-phonon interactions in multiferroic TbFe ₃ (BO ₃) ₄ and GdFe ₃ (BO ₃) ₄ . <i>Physical Review B</i> , 2016 , 93,	3.3	21
10	Suppressed Magnetic Circular Dichroism and Valley-Selective Magnetoabsorption due to the Effective Mass Anisotropy in Bismuth. <i>Physical Review Letters</i> , 2016 , 117, 017402	7.4	4
9	Near optimal graphene terahertz non-reciprocal isolator. <i>Nature Communications</i> , 2016 , 7, 11216	17.4	81
8	Magneto-optical Kramers-Kronig analysis. <i>Review of Scientific Instruments</i> , 2015 , 86, 033906	1.7	12
7	Fabry-Perot enhanced Faraday rotation in graphene. <i>Optics Express</i> , 2013 , 21, 24736-41	3.3	44
6	Classical to quantum crossover of the cyclotron resonance in graphene: a study of the strength of intraband absorption. <i>New Journal of Physics</i> , 2012 , 14, 095008	2.9	23
5	Intrinsic terahertz plasmons and magnetoplasmons in large scale monolayer graphene. <i>Nano Letters</i> , 2012 , 12, 2470-4	11.5	191

4	Giant Faraday rotation in single- and multilayer graphene. <i>Nature Physics</i> , 2011 , 7, 48-51	16.2	428
3	Multicomponent magneto-optical conductivity of multilayer graphene on SiC. <i>Physical Review B</i> , 2011 , 84,	3.3	40
2	Electron-phonon interaction and charge carrier mass enhancement in SrTiO ₃ . <i>Physical Review Letters</i> , 2008 , 100, 226403	7.4	150
1	Kramers-Kronig constrained variational analysis of optical spectra. <i>Review of Scientific Instruments</i> , 2005 , 76, 083108	1.7	425