Alexey B Kuzmenko

List of Publications by Citations

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	Giant Faraday rotation in single- and multilayer graphene. *Nature Physics*, **2011**, 7, 48-51	16.2	428
20	KramersKronig constrained variational analysis of optical spectra. *Review of Scientific Instruments*, **2005**, 76, 083108	1.7	425
19	Intrinsic terahertz plasmons and magnetoplasmons in large scale monolayer graphene. *Nano Letters*, **2012**, 12, 2470-4	11.5	191
18	Electron-phonon interaction and charge carrier mass enhancement in SrTiO3. *Physical Review Letters*, **2008**, 100, 226403	7.4	150
17	Near optimal graphene terahertz non-reciprocal isolator. *Nature Communications*, **2016**, 7, 11216	17.4	81
16	Electrically controlled terahertz magneto-optical phenomena in continuous and patterned graphene. *Nature Communications*, **2017**, 8, 14626	17.4	68
15	Fabry-Perot enhanced Faraday rotation in graphene. *Optics Express*, **2013**, 21, 24736-41	3.3	44
14	Multicomponent magneto-optical conductivity of multilayer graphene on SiC. *Physical Review B*, **2011**, 84,	3.3	40
13	Classical to quantum crossover of the cyclotron resonance in graphene: a study of the strength of intraband absorption. *New Journal of Physics*, **2012**, 14, 095008	2.9	23
12	Infrared study of lattice dynamics and spin-phonon and electron-phonon interactions in multiferroic TbFe3(BO3)4 and GdFe3(BO3)4. *Physical Review B*, **2016**, 93,	3.3	21
11	Magnetoplasmonic enhancement of Faraday rotation in patterned graphene metasurfaces. *Physical Review B*, **2018**, 97,	3.3	20
10	Colossal infrared and terahertz magneto-optical activity in a two-dimensional Dirac material. *Nature Nanotechnology*, **2019**, 14, 756-761	28.7	16
9	Magneto-optical Kramers-Kronig analysis. *Review of Scientific Instruments*, **2015**, 86, 033906	1.7	12
8	High sensitivity variable-temperature infrared nanoscopy of conducting oxide interfaces. *Nature Communications*, **2019**, 10, 2774	17.4	10
7	Real-Time Observation of Phonon-Mediated Interband Scattering in MgB_{2}. *Physical Review Letters*, **2017**, 119, 097002	7.4	9
6	Nanoinfrared Characterization of Bilayer Graphene Conductivity under Dual-Gate Tuning. *Nano Letters*, **2021**, 21, 5151-5157	11.5	5
5	Suppressed Magnetic Circular Dichroism and Valley-Selective Magnetoabsorption due to the Effective Mass Anisotropy in Bismuth. *Physical Review Letters*, **2016**, 117, 017402	7.4	4

4	Magnetically tunable graphene-based reflector under linear polarized incidence at room temperature. *Applied Physics Letters*, **2018**, 112, 151103	3.4	3
3	Light scattering from the critical modes of the Verwey transition in magnetite. *Physical Review B*, **2018**, 98,	3.3	3
2	Optical properties of LaNiO3 films tuned from compressive to tensile strain. *Physical Review B*, **2020**, 102,	3.3	2
1	Electronic transport in submicrometric channels at the LaAlO3/SrTiO3 interface. *Physical Review B*, **2021**, 103,	3.3	1