

Alexey B Kuzmenko

List of Publications by Year in descending order

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25
papers

1,992
citations

623188

14
h-index

580395

25
g-index

25
all docs

25
docs citations

25
times ranked

2843
citing authors

#	ARTICLE	IF	CITATIONS
1	Kramers-Kronig constrained variational analysis of optical spectra. Review of Scientific Instruments, 2005, 76, 083108.	0.6	577
2	Giant Faraday rotation in single- and multilayer graphene. Nature Physics, 2011, 7, 48-51.	6.5	521
3	Intrinsic Terahertz Plasmons and Magnetoplasmons in Large Scale Monolayer Graphene. Nano Letters, 2012, 12, 2470-2474.	4.5	224
4	Electron-Phonon Interaction and Charge Carrier Mass Enhancement in SrTiO_3 . Physical Review Letters, 2008, 100, 226403.	2.9	174
5	Near optimal graphene terahertz non-reciprocal isolator. Nature Communications, 2016, 7, 11216.	5.8	108
6	Electrically controlled terahertz magneto-optical phenomena in continuous and patterned graphene. Nature Communications, 2017, 8, 14626.	5.8	93
7	Fabry-Perot enhanced Faraday rotation in graphene. Optics Express, 2013, 21, 24736.	1.7	47
8	Multicomponent magneto-optical conductivity of multilayer graphene on SiC. Physical Review B, 2011, 84, .	1.1	44
9	Magnetoplasmonic enhancement of Faraday rotation in patterned graphene metasurfaces. Physical Review B, 2018, 97, .	1.1	27
10	Colossal infrared and terahertz magneto-optical activity in a two-dimensional Dirac material. Nature Nanotechnology, 2019, 14, 756-761.	15.6	27
11	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.	1.2	24
12	Infrared study of lattice dynamics and spin-phonon and electron-phonon interactions in multiferroic TbF_3 .	1.1	24
13	Magneto-optical Kramers-Kronig analysis. Review of Scientific Instruments, 2015, 86, 033906.	0.6	16
14	Real-Time Observation of Phonon-Mediated Interband Scattering in MgB_2 . Physical Review Letters, 2017, 119, 097002.	2.9	16
15	High sensitivity variable-temperature infrared nanoscopy of conducting oxide interfaces. Nature Communications, 2019, 10, 2774.	5.8	16
16	Raman spectroscopic evidence for multiferroicity in rare earth nickelate single crystals. Physical Review Research, 2021, 3, .	1.3	10
17	Nanoinfrared Characterization of Bilayer Graphene Conductivity under Dual-Gate Tuning. Nano Letters, 2021, 21, 5151-5157.	4.5	8
18	Suppressed Magnetic Circular Dichroism and Valley-Selective Magnetoabsorption due to the Effective Mass Anisotropy in Bismuth. Physical Review Letters, 2016, 117, 017402.	2.9	7

#	ARTICLE	IF	CITATIONS
19	Light scattering from the critical modes of the Verwey transition in magnetite. Physical Review B, 2018, 98, .	1.1	7
20	Spectral weight of hole-doped cuprates across the pseudogap critical point. Physical Review Research, 2021, 3, .	1.3	6
21	Magnetically tunable graphene-based reflector under linear polarized incidence at room temperature. Applied Physics Letters, 2018, 112, .	1.5	4
22	Optical properties of LaNiO_3 films tuned from compressive to tensile strain. Physical Review B, 2020, 102, .	1.1	4
23	Electronic transport in submicrometric channels at the $\text{LaAlO}_3/\text{SrTiO}_3$ interface. Physical Review B, 2021, 103, .		
24	Interband plasmon polaritons in magnetized charge-neutral graphene. Communications Physics, 2021, 4, .	2.0	2
25	Ultracompact Binary Permanent Rare-Earth Magnet with 1.25-T Center Field and Fast-Decaying Stray Field. Physical Review Applied, 2021, 16, .	1.5	2