

Kirill V Voronin

List of Publications by Citations

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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.

18
papers

154
citations

7
h-index

12
g-index

22
ext. papers

343
ext. citations

6.6
avg, IF

2.88
L-index

#	Paper	IF	Citations
18	Giant optical anisotropy in transition metal dichalcogenides for next-generation photonics. <i>Nature Communications</i> , 2021 , 12, 854	17.4	41
17	Analytical approximations for the dispersion of electromagnetic modes in slabs of biaxial crystals. <i>Physical Review B</i> , 2019 , 100,	3.3	30
16	Enabling propagation of anisotropic polaritons along forbidden directions via a topological transition. <i>Science Advances</i> , 2021 , 7,	14.3	13
15	Planar refraction and lensing of highly confined polaritons in anisotropic media. <i>Nature Communications</i> , 2021 , 12, 4325	17.4	12
14	Graphene-Supported Thin Metal Films for Nanophotonics and Optoelectronics. <i>Nanomaterials</i> , 2018 , 8,	5.4	12
13	Vertically Coupled Plasmonic Racetrack Ring Resonator for Biosensor Applications. <i>Sensors</i> , 2019 , 20,	3.8	9
12	Focusing of in-plane hyperbolic polaritons in van der Waals crystals with tailored infrared nanoantennas. <i>Science Advances</i> , 2021 , 7, eabj0127	14.3	8
11	Active Tuning of Highly Anisotropic Phonon Polaritons in Van der Waals Crystal Slabs by Gated Graphene. <i>ACS Photonics</i> ,	6.3	5
10	Hybrid graphene-nanometallic structures. <i>Journal of Physics: Conference Series</i> , 2018 , 1092, 012161	0.3	5
9	Topological phase singularities in atomically thin high-refractive-index materials.. <i>Nature Communications</i> , 2022 , 13, 2049	17.4	5
8	Optical Constants of Chemical Vapor Deposited Graphene for Photonic Applications. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
7	Nanofocusing of acoustic graphene plasmon polaritons for enhancing mid-infrared molecular fingerprints. <i>Nanophotonics</i> , 2020 , 9, 2089-2095	6.3	3
6	Giant optical anisotropy in transition metal dichalcogenides for next-generation photonics		2
5	Substrate effects in graphene field-effect transistor photodetectors. <i>Journal of Physics: Conference Series</i> , 2020 , 1461, 012188	0.3	1
4	Photogating in graphene field-effect phototransistors: Theory and observations 2021 ,		1
3	Integrated plasmonic biosensors based on microring resonators. <i>Journal of Physics: Conference Series</i> , 2018 , 1092, 012162	0.3	0
2	Excitonic nature of dispersion of two-dimensional transition metal dichalcogenides and effect of annealing on excitons. <i>Journal of Physics: Conference Series</i> , 2020 , 1461, 012036	0.3	

- 1 Ultra-thin gold films: towards 2D metals for photonic and optoelectronic applications. *Journal of Physics: Conference Series*, **2020**, 1461, 012184 0.3