

Kirill V Voronin

List of Publications by Year in Descending Order

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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	Topological phase singularities in atomically thin high-refractive-index materials.. <i>Nature Communications</i> , 2022 , 13, 2049	17.4	5
17	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
16	Enabling propagation of anisotropic polaritons along forbidden directions via a topological transition. <i>Science Advances</i> , 2021 , 7,	14.3	13
15	Optical Constants of Chemical Vapor Deposited Graphene for Photonic Applications. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
14	Planar refraction and lensing of highly confined polaritons in anisotropic media. <i>Nature Communications</i> , 2021 , 12, 4325	17.4	12
13	Giant optical anisotropy in transition metal dichalcogenides for next-generation photonics. <i>Nature Communications</i> , 2021 , 12, 854	17.4	41
12	Photogating in graphene field-effect phototransistors: Theory and observations 2021 ,		1
11	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	
10	Substrate effects in graphene field-effect transistor photodetectors. <i>Journal of Physics: Conference Series</i> , 2020 , 1461, 012188	0.3	1
9	Nanofocusing of acoustic graphene plasmon polaritons for enhancing mid-infrared molecular fingerprints. <i>Nanophotonics</i> , 2020 , 9, 2089-2095	6.3	3
8	Ultra-thin gold films: towards 2D metals for photonic and optoelectronic applications. <i>Journal of Physics: Conference Series</i> , 2020 , 1461, 012184	0.3	
7	Vertically Coupled Plasmonic Racetrack Ring Resonator for Biosensor Applications. <i>Sensors</i> , 2019 , 20,	3.8	9
6	Analytical approximations for the dispersion of electromagnetic modes in slabs of biaxial crystals. <i>Physical Review B</i> , 2019 , 100,	3.3	30
5	Integrated plasmonic biosensors based on microring resonators. <i>Journal of Physics: Conference Series</i> , 2018 , 1092, 012162	0.3	0
4	Hybrid graphene-nanometallic structures. <i>Journal of Physics: Conference Series</i> , 2018 , 1092, 012161	0.3	5
3	Graphene-Supported Thin Metal Films for Nanophotonics and Optoelectronics. <i>Nanomaterials</i> , 2018 , 8,	5.4	12
2	Active Tuning of Highly Anisotropic Phonon Polaritons in Van der Waals Crystal Slabs by Gated Graphene. <i>ACS Photonics</i> ,	6.3	5

1 Giant optical anisotropy in transition metal dichalcogenides for next-generation photonics

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