

Dmitry V Ovchinnikov

List of Publications by Citations

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25 papers	4,665 citations	13 h-index	25 g-index
25 ext. papers	5,899 ext. citations	13.8 avg, IF	5.93 L-index

#	Paper	IF	Citations
25	2D transition metal dichalcogenides. <i>Nature Reviews Materials</i> , 2017 , 2,	73.3	2213
24	Large-Area Epitaxial Monolayer MoS ₂ . <i>ACS Nano</i> , 2015 , 9, 4611-20	16.7	583
23	Single-layer MoS ₂ nanopores as nanopower generators. <i>Nature</i> , 2016 , 536, 197-200	50.4	560
22	Electrical transport properties of single-layer WS ₂ . <i>ACS Nano</i> , 2014 , 8, 8174-81	16.7	488
21	Thickness-modulated metal-to-semiconductor transformation in a transition metal dichalcogenide. <i>Nature Communications</i> , 2018 , 9, 919	17.4	187
20	Suppressing Nucleation in Metal-Organic Chemical Vapor Deposition of MoS Monolayers by Alkali Metal Halides. <i>Nano Letters</i> , 2017 , 17, 5056-5063	11.5	131
19	Ferromagnetism Near Room Temperature in the Cleavable van der Waals Crystal FeGeTe. <i>ACS Nano</i> , 2019 , 13, 4436-4442	16.7	119
18	Disorder engineering and conductivity dome in ReS ₂ with electrolyte gating. <i>Nature Communications</i> , 2016 , 7, 12391	17.4	89
17	Valley Polarization by Spin Injection in a Light-Emitting van der Waals Heterojunction. <i>Nano Letters</i> , 2016 , 16, 5792-7	11.5	79
16	Large-area MoS ₂ grown using H ₂ S as the sulphur source. <i>2D Materials</i> , 2015 , 2, 044005	5.9	60
15	Highly Oriented Atomically Thin Ambipolar MoSe Grown by Molecular Beam Epitaxy. <i>ACS Nano</i> , 2017 , 11, 6355-6361	16.7	48
14	Large-grain MBE-grown GaSe on GaAs with a Mexican hat-like valence band dispersion. <i>Npj 2D Materials and Applications</i> , 2018 , 2,	8.8	34
13	Intertwined Topological and Magnetic Orders in Atomically Thin Chern Insulator MnBiTe. <i>Nano Letters</i> , 2021 , 21, 2544-2550	11.5	26
12	Magneto-ballistic transport in GaN nanowires. <i>Applied Physics Letters</i> , 2016 , 109, 103102	3.4	9
11	Even-Odd Layer-Dependent Anomalous Hall Effect in Topological Magnet MnBiTe Thin Films. <i>Nano Letters</i> , 2021 , 21, 7691-7698	11.5	8
10	Quantitative Mapping of the Charge Density in a Monolayer of MoS at Atomic Resolution by Off-Axis Electron Holography. <i>ACS Nano</i> , 2020 , 14, 524-530	16.7	6
9	Correlation between structural and bioactive properties of titanium dioxide formed by atomic layer deposition. <i>Nanotechnologies in Russia</i> , 2013 , 8, 388-391	0.6	5

8	Field-induced charge separation dynamics in monolayer MoS ₂ . <i>2D Materials</i> , 2017 , 4, 035017	5.9	4
7	Atomic layer deposition of Al ₂ O ₃ and Al _x Ti _{1-x} O _y thin films on N ₂ O plasma pretreated carbon materials. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2013 , 31, 01A135	2.9	4
6	Electric control of a canted-antiferromagnetic Chern insulator.. <i>Nature Communications</i> , 2022 , 13, 1668	17.4	4
5	Atomic layer deposition of thin films of titanium dioxide from titanium tetramethoxide and water. <i>Russian Journal of Applied Chemistry</i> , 2013 , 86, 326-331	0.8	3
4	On current transients in MoS ₂ Field Effect Transistors. <i>Scientific Reports</i> , 2017 , 7, 11575	4.9	3
3	High-quality synthetic 2D transition metal dichalcogenide semiconductors 2016 ,		1
2	Measuring the local resistivity by the nanoindentation and force-spectroscopy methods. <i>Instruments and Experimental Techniques</i> , 2013 , 56, 233-239	0.5	1
1	Atomic-layer deposition of thin titanium dioxide films from tetramethoxytitanium and water. <i>Russian Journal of Applied Chemistry</i> , 2013 , 86, 817-823	0.8	