Jing-Kai Qin

List of Publications by Year
in descending order

16 papers	550 citations	933447 10 h-index	940533 16 g-index
16 all docs	16 docs citations	16 times ranked	1042 citing authors

#	Article	IF	Citations
1	Raman response and transport properties of tellurium atomic chains encapsulated in nanotubes. Nature Electronics, 2020, 3, 141-147.	26.0	126
2	Unraveling the Raman Enhancement Mechanism on 1Tâ€²â€Phase ReS₂ Nanosheets. Small, 2018, 14, e1704079.	10.0	87
3	Tuning the Excitonic States in MoS₂/Graphene van der Waals Heterostructures via Electrochemical Gating. Advanced Functional Materials, 2016, 26, 293-302.	14.9	56
4	Epitaxial Growth of 1D Atomic Chain Based Se Nanoplates on Monolayer ReS₂ for Highâ€Performance Photodetectors. Advanced Functional Materials, 2018, 28, 1806254.	14.9	52
5	Electric Field Tunable Interlayer Relaxation Process and Interlayer Coupling in WSe₂/Graphene Heterostructures. Advanced Functional Materials, 2016, 26, 4319-4328.	14.9	47
6	Anisotropic Signal Processing with Trigonal Selenium Nanosheet Synaptic Transistors. ACS Nano, 2020, 14, 10018-10026.	14.6	43
7	Chemical Vapor Deposition Growth of Degenerate p-Type Mo-Doped ReS₂ Films and Their Homojunction. ACS Applied Materials & Interfaces, 2017, 9, 15583-15591.	8.0	30
8	van der Waals epitaxy of large-area continuous ReS₂ films on mica substrate. RSC Advances, 2017, 7, 24188-24194.	3.6	29
9	Van der Waals heterostructures with one-dimensional atomic crystals. Progress in Materials Science, 2021, 122, 100856.	32.8	29
10	Mechanical Anisotropy in Two-Dimensional Selenium Atomic Layers. Nano Letters, 2021, 21, 8043-8050.	9.1	12
11	Strain engineering of quasi-1D layered TiS3 nanosheets toward giant anisotropic Raman and piezoresistance responses. Applied Physics Letters, 2021, 119, .	3.3	9
12	2D Indium Phosphorus Sulfide (In₂P₃S₉): An Emerging van der Waals Highâ€<i>k</i> Dielectrics. Small, 2022, 18, e2104401.	10.0	9
13	Lowering the Contact Barriers of 2D Organic F₁₆CuPc Fieldâ€Effect Transistors by Introducing Van der Waals Contacts. Small, 2021, 17, e2007739.	10.0	7
14	2Dâ€"1D mixed-dimensional heterostructures: progress, device applications and perspectives. Journal of Physics Condensed Matter, 2021, 33, 493001.	1.8	7
15	Alloy-buffer-controlled van der Waals epitaxial growth of aligned tellurene. Nano Research, 2022, 15, 5712-5718.	10.4	4
16	Charge Transport Behavior and Ultrasensitive Photoresponse Performance of Exfoliated F 16 CuPc Nanoflakes. Advanced Optical Materials, 2019, 7, 1901097.	7.3	3