

Keliang He

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

6,853
citations

15
h-index

18
g-index

18
ext. papers

7,808
ext. citations

11
avg. IF

5.98
L-index

#	Paper	IF	Citations
18	Control of valley polarization in monolayer MoS ₂ by optical helicity. <i>Nature Nanotechnology</i> , 2012 , 7, 494-8	28.7	2670
17	Tightly bound trions in monolayer MoS ₂ . <i>Nature Materials</i> , 2013 , 12, 207-11	27	1878
16	Tightly bound excitons in monolayer WSe ₂ . <i>Physical Review Letters</i> , 2014 , 113, 026803	7.4	762
15	Experimental demonstration of continuous electronic structure tuning via strain in atomically thin MoS ₂ . <i>Nano Letters</i> , 2013 , 13, 2931-6	11.5	675
14	High frequency MoS ₂ nanomechanical resonators. <i>ACS Nano</i> , 2013 , 7, 6086-91	16.7	199
13	Orientation of luminescent excitons in layered nanomaterials. <i>Nature Nanotechnology</i> , 2013 , 8, 271-6	28.7	195
12	Synthesis, lattice structure, and band gap of ZnSnN ₂ . <i>MRS Communications</i> , 2013 , 3, 135-138	2.7	89
11	Charge-neutral disorder and polytypes in heterovalent wurtzite-based ternary semiconductors: The importance of the octet rule. <i>Physical Review B</i> , 2015 , 91,	3.3	76
10	Electrically tunable single- and few-layer MoS nanoelectromechanical systems with broad dynamic range. <i>Science Advances</i> , 2018 , 4, eaao6653	14.3	67
9	Tuning Many-Body Interactions in Graphene: The Effects of Doping on Excitons and Carrier Lifetimes. <i>Physical Review Letters</i> , 2014 , 112,	7.4	57
8	Air damping of atomically thin MoS ₂ nanomechanical resonators. <i>Applied Physics Letters</i> , 2014 , 105, 023104	10.4	48
7	Spin-current rectification in an organic magnetic/nonmagnetic device. <i>Journal of Chemical Physics</i> , 2008 , 129, 234708	3.9	31
6	Characterization and control of ZnGeN ₂ cation lattice ordering. <i>Journal of Crystal Growth</i> , 2017 , 461, 38-45	1.6	30
5	Embracing structural nonidealities and asymmetries in two-dimensional nanomechanical resonators. <i>Scientific Reports</i> , 2014 , 4, 3919	4.9	29
4	Valley Polarization of Trions and Magnetoresistance in Heterostructures of MoS and Yttrium Iron Garnet. <i>ACS Nano</i> , 2017 , 11, 12257-12265	16.7	25
3	Vapor-Liquid-Solid synthesis of ZnSnN ₂ . <i>Physica Status Solidi (B): Basic Research</i> , 2017 , 254, 1600718	1.3	8
2	Two-dimensional nanoelectromechanical systems (2D NEMS) via atomically-thin semiconducting crystals vibrating at radio frequencies 2014 ,		7

- 1 Effect of Cation Sublattice Ordering on Structure and Raman Scattering of ZnGeN₂. *Materials Research Society Symposia Proceedings*, **2013**, 1493, 237-242