

Keliang He

List of Publications by Year in descending order

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18
papers

8,556
citations

566801

15
h-index

887659

17
g-index

18
all docs

18
docs citations

18
times ranked

10939
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of valley polarization in monolayer MoS ₂ by optical helicity. Nature Nanotechnology, 2012, 7, 494-498.	15.6	3,280
2	Tightly bound trions in monolayer MoS ₂ . Nature Materials, 2013, 12, 207-211.	13.3	2,329
3	Tightly Bound Excitons in Monolayer WS_2 . Physical Review Letters, 2014, 113, 026803.	11.1	961
4	Experimental Demonstration of Continuous Electronic Structure Tuning via Strain in Atomically Thin MoS ₂ . Nano Letters, 2013, 13, 2931-2936.	4.5	808
5	High Frequency MoS ₂ Nanomechanical Resonators. ACS Nano, 2013, 7, 6086-6091.	7.3	262
6	Orientation of luminescent excitons in layered nanomaterials. Nature Nanotechnology, 2013, 8, 271-276.	15.6	250
7	Electrically tunable single- and few-layer MoS ₂ nanoelectromechanical systems with broad dynamic range. Science Advances, 2018, 4, eaao6653.	4.7	126
8	Synthesis, lattice structure, and band gap of ZnSnN ₂ . MRS Communications, 2013, 3, 135-138.	0.8	108
9	Charge-neutral disorder and polytypes in heterovalent wurtzite-based ternary semiconductors: The importance of the octet rule. Physical Review B, 2015, 91, .	1.1	95
10	Tuning Many-Body Interactions in Graphene: The Effects of Doping on Excitons and Carrier Lifetimes. Physical Review Letters, 2014, 112, .	2.9	74
11	Air damping of atomically thin MoS ₂ nanomechanical resonators. Applied Physics Letters, 2014, 105, .	1.5	70
12	Characterization and control of ZnGeN ₂ cation lattice ordering. Journal of Crystal Growth, 2017, 461, 38-45.	0.7	43
13	Spin-current rectification in an organic magnetic/nonmagnetic device. Journal of Chemical Physics, 2008, 129, 234708.	1.2	38
14	Embracing Structural Nonidealities and Asymmetries in Two-Dimensional Nanomechanical Resonators. Scientific Reports, 2015, 4, 3919.	1.6	38
15	Valley Polarization of Trions and Magnetoresistance in Heterostructures of MoS ₂ and Yttrium Iron Garnet. ACS Nano, 2017, 11, 12257-12265.	7.3	35
16	Vapor-liquid-solid synthesis of ZnSnN ₂ . Physica Status Solidi (B): Basic Research, 2017, 254, 1600718.	0.7	14
17	Two-dimensional nanoelectromechanical systems (2D NEMS) via atomically-thin semiconducting crystals vibrating at radio frequencies. , 2014, , .		12
18	Effect of Cation Sublattice Ordering on Structure and Raman Scattering of ZnGeN ₂ . Materials Research Society Symposia Proceedings, 2013, 1493, 237-242.	0.1	10