Liuyan Zhao

List of Publications by Year
in descending order

32 papers	2,735 citations	430442 18 h-index	433756 31 g-index
35 all docs	35 docs citations	35 times ranked	4849 citing authors

#	Article	IF	Citations
1	Twist engineering of the two-dimensional magnetism in double bilayer chromium triiodide homostructures. Nature Physics, 2022, 18, 30-36.	6.5	62
2	Two-dimensional charge order stabilized in clean polytype heterostructures. Nature Communications, 2022, 13, 413.	5.8	14
3	Decoupling of static and dynamic criticality in a driven Mott insulator. Communications Physics, 2022, 5, .	2.0	5
4	The Magnetic Genome of Two-Dimensional van der Waals Materials. ACS Nano, 2022, 16, 6960-7079.	7.3	149
5	Quantum Engineering With Hybrid Magnonic Systems and Materials (Invited Paper). IEEE Transactions on Quantum Engineering, 2021, 2, 1-36.	2.9	69
6	Interlayer Exciton Transport in MoSe₂/WSe₂ Heterostructures. ACS Nano, 2021, 15, 1539-1547.	7.3	61
7	Second-order nonlinear optical and linear ultraviolet-visible absorption properties of the type-II multiferroic candidates <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>RbFe</mml:mi><mml:msub><mml:mrow><mml:mo>(		

#	Article	IF	Citations
19	Evolution of interlayer and intralayer magnetism in three atomically thin chromium trihalides. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11131-11136.	3.3	223
20	Polarized Raman spectroscopy study of metallic (Sr1â^'xLax)3Ir2O7 : A consistent picture of disorder-interrupted unidirectional charge order. Physical Review B, 2019, 99, .	1.1	5
21	Raman fingerprint of two terahertz spin wave branches in a two-dimensional honeycomb Ising ferromagnet. Nature Communications, 2018, 9, 5122.	5.8	97
22	Second Harmonic Generation Spectroscopy of Hidden Phases. , 2018, , 207-226.		5
23	Modification of the G-phonon mode of graphene by nitrogen doping. Applied Physics Letters, 2016, 108, .	1.5	5
24	Structural investigation of the bilayer iridate<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>3</mml:mn></mml:r mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2016, 93, .	1.1	35
25	Atomistic Interrogation of Bâ€“N Co-dopant Structures and Their Electronic Effects in Graphene. ACS Nano, 2016, 10, 6574-6584.	7.3	53
26	Dopant Segregation in Polycrystalline Monolayer Graphene. Nano Letters, 2015, 15, 1428-1436.	4.5	19
27	Segregation of Sublattice Domains in Nitrogen-Doped Graphene. Journal of the American Chemical Society, 2014, 136, 1391-1397.	6.6	86
28	Local Atomic and Electronic Structure of Boron Chemical Doping in Monolayer Graphene. Nano Letters, 2013, 13, 4659-4665.	4.5	192
29	Substrate Level Control of the Local Doping in Graphene. Nano Letters, 2013, 13, 1386-1392.	4.5	42
30	Large Physisorption Strain in Chemical Vapor Deposition of Graphene on Copper Substrates. Nano Letters, 2012, 12, 2408-2413.	4.5	122
31	Connecting Dopant Bond Type with Electronic Structure in N-Doped Graphene. Nano Letters, 2012, 12, 4025-4031.	4.5	471
32	Visualizing Individual Nitrogen Dopants in Monolayer Graphene. Science, 2011, 333, 999-1003.	6.0	774