Wenmei Ming

List of Publications by Year
in descending order

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31 papers	2,304 citations	304743 22 h-index	434195 31 g-index
31 all docs	31 docs citations	31 times ranked	3863 citing authors

#	Article	IF	Citations
1	Robust Ferromagnetism in Highly Strained <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>SrCoO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mr Thin Films. Physical Review X, 2020, 10, .	8.9	15
2	Chemical Trend of Transition-Metal Doping in WSe2. Physical Review Applied, 2019, 12, .	3.8	16
3	Excitation Energies of Localized Correlated Defects via Quantum Monte Carlo: A Case Study of Mn⁴⁺-Doped Phosphors. Journal of Physical Chemistry Letters, 2019, 10, 67-74.	4.6	15
4	Realâ€Time Observation of Orderâ€Disorder Transformation of Organic Cations Induced Phase Transition and Anomalous Photoluminescence in Hybrid Perovskites. Advanced Materials, 2018, 30, e1705801.	21.0	60
5	Formation and Diffusion of Metal Impurities in Perovskite Solar Cell Material CH₃NH₃PbI₃: Implications on Solar Cell Degradation and Choice of Electrode. Advanced Science, 2018, 5, 1700662.	11.2	130
6	Doping Y₂O₃ with Mn⁴⁺ for energy-efficient lighting. Journal of Materials Chemistry C, 2018, 6, 4171-4176.	5.5	10
7	Organohalide Perovskites: Real-Time Observation of Order-Disorder Transformation of Organic Cations Induced Phase Transition and Anomalous Photoluminescence in Hybrid Perovskites (Adv.) Tj ETQq1 1 0.784314 rgBT1/Overloc	21.0	
8	A One-Dimensional Organic Lead Chloride Hybrid with Excitation-Dependent Broadband Emissions. ACS Energy Letters, 2018, 3, 1443-1449.	17.4	124
9	Unraveling luminescence mechanisms in zero-dimensional halide perovskites. Journal of Materials Chemistry C, 2018, 6, 6398-6405.	5.5	168
10	Synthesis, Crystal and Electronic Structures, and Optical Properties of (CH₃NH₃)₂CdX₄ (X = Cl, Br, I). Inorganic Chemistry, 2017, 56, 13878-13888.	4.0	78
11	Bulk assembly of organic metal halide nanotubes. Chemical Science, 2017, 8, 8400-8404.	7.4	76
12	Prospective high thermoelectric performance of the heavily <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="bold-italic">p</mml:mi></mml:math> -doped half-Heusler compound CoVSn. Physical Review B, 2017, 95, .	3.2	37
13	Chemical instability leads to unusual chemical-potential-independent defect formation and diffusion in perovskite solar cell material CH₃NH₃PbI₃. Journal of Materials Chemistry A, 2016, 4, 16975-16981.	10.3	67
14	Large dielectric constant, high acceptor density, and deep electron traps in perovskite solar cell material CsGeI₃. Journal of Materials Chemistry A, 2016, 4, 13852-13858.	10.3	148
15	Bismuth chalcohalides and oxyhalides as optoelectronic materials. Physical Review B, 2016, 93, .	3.2	82
16	Observation of Nanoscale Morphological and Structural Degradation in Perovskite Solar Cells by in Situ TEM. ACS Applied Materials & Interfaces, 2016, 8, 32333-32340.	8.0	54
17	First-Principles Prediction of Thermodynamically Stable Two-Dimensional Electrides. Journal of the American Chemical Society, 2016, 138, 15336-15344.	13.7	91
18	Fast Diffusion of Native Defects and Impurities in Perovskite Solar Cell Material CH₃NH₃PbI₃. Chemistry of Materials, 2016, 28, 4349-4357.	6.7	139

#	Article	IF	Citations
19	Formation of Ideal Rashba States on Layered Semiconductor Surfaces Steered by Strain Engineering. Nano Letters, 2016, 16, 404-409.	9.1	44
20	Evolution of the electronic structure in ultrathin Bi(111) films. Physical Review B, 2015, 91, .	3.2	29
21	Quantum size effect on dielectric function of ultrathin metal film: a first-principles study of Al(1â€‰1â€‰1). Journal of Physics Condensed Matter, 2014, 26, 505302.	1.8	16
22	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>s</mml:mi><mml:msup><mml:mi>d</mml:mi><mml:mn>2</mml:mn></mml:msup></mml:math>Graphene: Kagome Band in a Hexagonal Lattice. Physical Review Letters, 2014, 113, 236802.	7.8	68
23	Tuning nucleation density of metal island with charge doping of graphene substrate. Applied Physics Letters, 2014, 105, 071609.	3.3	8
24	Epitaxial growth of large-gap quantum spin Hall insulator on semiconductor surface. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14378-14381.	7.1	205
25	Formation of quantum spin Hall state on Si surface and energy gap scaling with strength of spin orbit coupling. Scientific Reports, 2014, 4, 7102.	3.3	75
26	Stability, electronic, and magnetic properties of the magnetically doped topological insulators<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>Bi</mml:mtext><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>, Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn><mml:mn><	3.2	126
27	Creation of helical Dirac fermions by interfacing two gapped systems of ordinary fermions. Nature Communications, 2013, 4, 1384.	12.8	81
28	Quasiparticle dynamics in reshaped helical Dirac cone of topological insulators. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2758-2762.	7.1	86
29	Effects of Li doping on H-diffusion in MgH2: A first-principles study. Journal of Applied Physics, 2013, 114, .	2.5	12
30	First-principles study of the electronic, vibrational, electronâ€“phonon interaction and thermodynamics properties of ZrNi₂Ga. Journal of Physics Condensed Matter, 2009, 21, 075501.	1.8	5
31	Doping-dependent phase diagram of LaOMAs (M=Vâ€“Cu) and electron-type superconductivity near ferromagnetic instability. Europhysics Letters, 2008, 82, 67002.	2.0	218