# Wan-Jian Yin

List of Publications by Year
in descending order

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|---|---|---|---|
| 124 papers | 13,398 citations | 44444 50 h-index | 24511 114 g-index |
| 128 all docs | 128 docs citations | 128 times ranked | 17601 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Going Beyond the dâ€Band Center to Describe CO<sub>2</sub> Activation on Singleâ€Atom Alloys. Advanced Energy and Sustainability Research, 2022, 3, 2100152. | 2.8 | 16 |
| 2 | Effect of alloying on the carrier dynamics in high-performance perovskite solar cells. Journal of Energy Chemistry, 2022, 68, 267-274. | 7.1 | 2 |
| 3 | Atomistic origin of lattice softness and its impact on structural and carrier dynamics in three dimensional perovskites. Energy and Environmental Science, 2022, 15, 660-671. | 15.6 | 24 |
| 4 | Interpretation of Rubidiumâ€Based Perovskite Recipes toward Electronic Passivation and Ionâ€Diffusion Mitigation. Advanced Materials, 2022, 34, e2109998. | 11.1 | 29 |
| 5 | CsPbI<sub>3</sub>-Based Phase-Stable 2D Ruddlesdenâ€“Popper Perovskites for Efficient Solar Cells. Nano Letters, 2022, 22, 2874-2880. | 4.5 | 22 |
| 6 | Crystal structure prediction by combining graph network and optimization algorithm. Nature Communications, 2022, 13, 1492. | 5.8 | 26 |
| 7 | Unique Photoelectric Properties and Defect Tolerance of Lead-Free Perovskite Cs<sub>3</sub>Cu<sub>2</sub>I<sub>5</sub> with Highly Efficient Blue Emission. Journal of Physical Chemistry Letters, 2022, 13, 4177-4183. | 2.1 | 12 |
| 8 | Revisiting the Iodine Vacancy Surface Defects to Rationalize Passivation Strategies in Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2022, 13, 6694-6700. | 2.1 | 15 |
| 9 | High-throughput computational screening of oxide double perovskites for optoelectronic and photocatalysis applications. Journal of Energy Chemistry, 2021, 57, 351-358. | 7.1 | 17 |
| 10 | Highâ€Performance Blue Perovskite Lightâ€Emitting Diodes Enabled by Efficient Energy Transfer between Coupled Quasiâ€2D Perovskite Layers. Advanced Materials, 2021, 33, e2005570. | 11.1 | 171 |
| 11 | Visible-Light Photocatalytic CO<sub>2</sub> Reduction Using Metal-Organic Framework Derived Ni(OH)<sub>2</sub> Nanocages: A Synergy from Multiple Light Reflection, Static Charge Transfer, and Oxygen Vacancies. ACS Catalysis, 2021, 11, 345-354. | 5.5 | 117 |
| 12 | Defect mitigation using <scp>d</scp>-penicillamine for efficient methylammonium-free perovskite solar cells with high operational stability. Chemical Science, 2021, 12, 2050-2059. | 3.7 | 88 |
| 13 | Strategic synthesis of sponge-like structured SiO<sub>x</sub>@C@CoO multifunctional composites for high-performance and stable lithium-ion batteries. Journal of Materials Chemistry A, 2021, 9, 18440-18453. | 5.2 | 22 |
| 14 | Atomic-scale insight into the enhanced surface stability of methylammonium lead iodide perovskite by controlled deposition of lead chloride. Energy and Environmental Science, 2021, 14, 4541-4554. | 15.6 | 31 |
| 15 | Atomistic Mechanism of Passivation of Halide Vacancies in Lead Halide Perovskites by Alkali Ions. Chemistry of Materials, 2021, 33, 1285-1292. | 3.2 | 26 |
| 16 | Defect states and passivation mechanism at grain boundaries of zinc-blende semiconductors. Semiconductor Science and Technology, 2021, 36, 045028. | 1.0 | 2 |
| 17 | Multiple-Noncovalent-Interaction-Stabilized Layered Dionâ€“Jacobson Perovskite for Efficient Solar Cells. Nano Letters, 2021, 21, 5788-5797. | 4.5 | 59 |
| 18 | Density functional theory-free descriptor for the practical discovery of perovskite catalysts. Computational Materials Science, 2021, 193, 110342. | 1.4 | 2 |

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| 19 | A chalcogenide-cluster-based semiconducting nanotube array with oriented photoconductive behavior. Nature Communications, 2021, 12, 4275. | 5.8 | 17 |
| 20 | Photoinduced Dynamic Defects Responsible for the Giant, Reversible, and Bidirectional Light-Soaking Effect in Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2021, 12, 9328-9335. | 2.1 | 13 |
| 21 | Significant phonon anharmonicity drives phase transitions in CsPbI3. Applied Physics Letters, 2021, 119, . | 1.5 | 9 |
| 22 | Flat and Stretched Delafossite Î±-AgGaO<sub>2</sub>: Manipulating Redox Chemistry under Visible Light. ACS Catalysis, 2021, 11, 15083-15088. | 5.5 | 16 |
| 23 | Designing solar-cell absorber materials through computational high-throughput screening*. Chinese Physics B, 2020, 29, 028803. | 0.7 | 6 |
| 24 | Passivating Detrimental DX Centers in CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub> for Reducing Nonradiative Recombination and Elongating Carrier Lifetime. Advanced Materials, 2020, 32, e1906115. | 11.1 | 53 |
| 25 | Simultaneous Low-Order Phase Suppression and Defect Passivation for Efficient and Stable Blue Light-Emitting Diodes. ACS Energy Letters, 2020, 5, 2569-2579. | 8.8 | 89 |
| 26 | Simple descriptor derived from symbolic regression accelerating the discovery of new perovskite catalysts. Nature Communications, 2020, 11, 3513. | 5.8 | 184 |
| 27 | Searching for stable perovskite solar cell materials using materials genome techniques and high-throughput calculations. Journal of Materials Chemistry C, 2020, 8, 12012-12035. | 2.7 | 22 |
| 28 | High Phase Stability in CsPbI<sub>3</sub> Enabled by Pbâ€"I Octahedra Anchors for Efficient Inorganic Perovskite Photovoltaics. Advanced Materials, 2020, 32, e2000186. | 11.1 | 90 |
| 29 | Double perovskite Ba2BiTaO6 as a promising p-type transparent conductive oxide: A first-principles defect study. Journal of Applied Physics, 2020, 127, . | 1.1 | 7 |
| 30 | Design of Multifunctional Quinternary Metal-Halide Perovskite Compounds Based on Cationâ€"Anion Co-Ordering. Chemistry of Materials, 2020, 32, 5949-5957. | 3.2 | 10 |
| 31 | Hexagonal Stacking Faults Act as Hole-Blocking Layers in Lead Halide Perovskites. ACS Energy Letters, 2020, 5, 2231-2233. | 8.8 | 12 |
| 32 | Bayesian optimization based on a unified figure of merit for accelerated materials screening: A case study of halide perovskites. Science China Materials, 2020, 63, 1024-1035. | 3.5 | 25 |
| 33 | Coordination assembly of 2D ordered organic metal chalcogenides with widely tunable electronic band gaps. Nature Communications, 2020, 11, 261. | 5.8 | 52 |
| 34 | Machine learning in materials design: Algorithm and application*. Chinese Physics B, 2020, 29, 116103. | 0.7 | 24 |
| 35 | Comprehensive first-principles studies on phase stability of copper-based halide perovskite derivatives A<sub>l</sub>Cu<sub>m</sub>X<sub>n</sub> (A = Rb and Cs; X = Cl, Br, and I). Journal of Semiconductors, 2020, 41, 052201. | 2.0 | 11 |
| 36 | Recent Progress in Defect Tolerance and Defect Passivation in Halide Perovskite Solar Cells. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2020, . | 2.2 | 9 |

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| 37 | Computational Modeling and the DesignÂofÂPerovskite Solar Cells. , 2020, , 2849-2864. | | 0 |
| 38 | Theoretical and computational study on defects of solar cell materials. Wuli Xuebao/Acta Physica Sinica, 2020, 69, 177101. | 0.2 | 3 |
| 39 | Oxide perovskites, double perovskites and derivatives for electrocatalysis, photocatalysis, and photovoltaics. Energy and Environmental Science, 2019, 12, 442-462. | 15.6 | 433 |
| 40 | Single-phase alkylammonium cesium lead iodide quasi-2D perovskites for color-tunable and spectrum-stable red LEDs. Nanoscale, 2019, 11, 16907-16918. | 2.8 | 24 |
| 41 | Octahedral gold-silver nanoframes with rich crystalline defects for efficient methanol oxidation manifesting a CO-promoting effect. Nature Communications, 2019, 10, 3782. | 5.8 | 113 |
| 42 | Plasmon-Free Surface-Enhanced Raman Spectroscopy Using Metallic 2D Materials. ACS Nano, 2019, 13, 8312-8319. | 7.3 | 94 |
| 43 | Disparity of the Nature of the Band Gap between Halide and Chalcogenide Single Perovskites for Solar Cell Absorbers. Journal of Physical Chemistry Letters, 2019, 10, 4566-4570. | 2.1 | 16 |
| 44 | Confining MOF-derived SnSe nanoplatelets in nitrogen-doped graphene cages via direct CVD for durable sodium ion storage. Nano Research, 2019, 12, 3051-3058. | 5.8 | 70 |
| 45 | Achieving High-Quality Snâ€“Pb Perovskite Films on Complementary Metal-Oxide-Semiconductor-Compatible Metal/Silicon Substrates for Efficient Imaging Array. ACS Nano, 2019, 13, 11800-11808. | 7.3 | 40 |
| 46 | Materials Design of Solar Cell Absorbers Beyond Perovskites and Conventional Semiconductors via Combining Tetrahedral and Octahedral Coordination. Advanced Materials, 2019, 31, e1806593. | 11.1 | 48 |
| 47 | Thermodynamic Stability Landscape of Halide Double Perovskites via Highâ€Throughput Computing and Machine Learning. Advanced Functional Materials, 2019, 29, 1807280. | 7.8 | 131 |
| 48 | Do Chalcogenide Double Perovskites Work as Solar Cell Absorbers: A First-Principles Study. Chemistry of Materials, 2019, 31, 244-250. | 3.2 | 33 |
| 49 | Computational Modeling and the Design of Perovskite Solar Cells. , 2019, , 1-16. | | 2 |
| 50 | Bandgap Engineering of Stable Leadâ€Free Oxide Double Perovskites for Photovoltaics. Advanced Materials, 2018, 30, e1705901. | 11.1 | 57 |
| 51 | Solution-Processed Nb-Substituted BaBiO<sub>3</sub> Double Perovskite Thin Films for Photoelectrochemical Water Reduction. Chemistry of Materials, 2018, 30, 1017-1031. | 3.2 | 45 |
| 52 | Lowâ€Bandgap Methylammoniumâ€Rubidium Cation Snâ€Rich Perovskites for Efficient Ultravioletâ€“Visibleâ€“Near Infrared Photodetectors. Advanced Functional Materials, 2018, 28, 1706068. | 7.8 | 70 |
| 53 | Intrinsic Point Defects in Inorganic Cesium Lead Iodide Perovskite CsPbI<sub>3</sub>. Journal of Physical Chemistry C, 2018, 122, 1345-1350. | 1.5 | 144 |
| 54 | Nanostructured Bi2S3 encapsulated within three-dimensional N-doped graphene as active and flexible anodes for sodium-ion batteries. Nano Research, 2018, 11, 4614-4626. | 5.8 | 92 |

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| 55 | Single Cr atom catalytic growth of graphene. Nano Research, 2018, 11, 2405-2411. | 5.8 | 41 |
| 56 | Rationalizing Perovskite Data for Machine Learning and Materials Design. Journal of Physical Chemistry Letters, 2018, 9, 6948-6954. | 2.1 | 68 |
| 57 | High-throughput screening of chalcogenide single perovskites by first-principles calculations for photovoltaics. Journal Physics D: Applied Physics, 2018, 51, 474003. | 1.3 | 50 |
| 58 | Improving the stability and performance of perovskite solar cells via off-the-shelf post-device ligand treatment. Energy and Environmental Science, 2018, 11, 2253-2262. | 15.6 | 181 |
| 59 | Recent progress in Pb-free stable inorganic double halide perovskites. Journal of Semiconductors, 2018, 39, 071003. | 2.0 | 14 |
| 60 | Stability Trend of Tilted Perovskites. Journal of Physical Chemistry C, 2018, 122, 15214-15219. | 1.5 | 30 |
| 61 | Cs2AgBiBr6 single-crystal X-ray detectors with a low detection limit. Nature Photonics, 2017, 11, 726-732. | 15.6 | 984 |
| 62 | Thermodynamic Stability Trend of Cubic Perovskites. Journal of the American Chemical Society, 2017, 139, 14905-14908. | 6.6 | 227 |
| 63 | Exploring Emerging Photovoltaic Materials Beyond Perovskite: The Case of Skutterudite. Chemistry of Materials, 2017, 29, 9429-9435. | 3.2 | 16 |
| 64 | Self-compensation in arsenic doping of CdTe. Scientific Reports, 2017, 7, 4563. | 1.6 | 59 |
| 65 | In Situ Electron Driven Carbon Nanopillar-Fullerene Transformation through Cr Atom Mediation. Nano Letters, 2017, 17, 4725-4732. | 4.5 | 13 |
| 66 | First-principles study of roles of Cu and Cl in polycrystalline CdTe. Journal of Applied Physics, 2016, 119, . | 1.1 | 44 |
| 67 | Fast self-diffusion of ions in CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub>: the interstiticaly mechanism versus vacancy-assisted mechanism. Journal of Materials Chemistry A, 2016, 4, 13105-13112. | 5.2 | 74 |
| 68 | Defect Physics of CH3NH3PbX3 (XÂ=ÂI, Br, Cl) Perovskites. , 2016, , 79-105. | | 19 |
| 69 | Orbital-frustration-induced ordering in semiconductor alloys. Physical Review B, 2016, 93, . | 1.1 | 1 |
| 70 | Review on first-principles study of defect properties of CdTe as a solar cell absorber. Semiconductor Science and Technology, 2016, 31, 083002. | 1.0 | 109 |
| 71 | Two-Dimensional SiS Layers with Promising Electronic and Optoelectronic Properties: Theoretical Prediction. Nano Letters, 2016, 16, 1110-1117. | 4.5 | 149 |
| 72 | Surface stability and the selection rules of substrate orientation for optimal growth of epitaxial II-VI semiconductors. Applied Physics Letters, 2015, 107, 141607. | 1.5 | 5 |

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| 73 | Self-regulation of charged defect compensation and formation energy pinning in semiconductors. Scientific Reports, 2015, 5, 16977. | 1.6 | 56 |
| 74 | Physics of grain boundaries in polycrystalline photovoltaic semiconductors. Journal of Applied Physics, 2015, 117, . | 1.1 | 52 |
| 75 | Superior Photovoltaic Properties of Lead Halide Perovskites: Insights from First-Principles Theory. Journal of Physical Chemistry C, 2015, 119, 5253-5264. | 1.5 | 246 |
| 76 | Device Performance of the Mott Insulator<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>LaVO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></ a Photovoltaic Material. Physical Review Applied, 2015, 3, . | 1.5 | 73 |
| 77 | Unipolar self-doping behavior in perovskite CH3NH3PbBr3. Applied Physics Letters, 2015, 106, . | 1.5 | 181 |
| 78 | Origin of High Electronic Quality in Structurally Disordered CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub> and the Passivation Effect of Cl and O at Grain Boundaries. Advanced Electronic Materials, 2015, 1, 1500044. | 2.6 | 175 |
| 79 | Theoretical and experimental study of earth-abundant solar cell materials. , 2015, , . | | 0 |
| 80 | Enhanced p-type dopability of P and As in CdTe using non-equilibrium thermal processing. Journal of Applied Physics, 2015, 118, . | 1.1 | 60 |
| 81 | Monitoring the stability of organometallic perovskite thin films. Journal of Materials Chemistry A, 2015, 3, 21940-21945. | 5.2 | 13 |
| 82 | LDA+U/GGA+U calculations of structural and electronic properties of CdTe: Dependence on the effective U parameter. Computational Materials Science, 2015, 98, 18-23. | 1.4 | 25 |
| 83 | Halide perovskite materials for solar cells: a theoretical review. Journal of Materials Chemistry A, 2015, 3, 8926-8942. | 5.2 | 1,114 |
| 84 | Defect Physics in Photovoltaic Materials Revealed by Combined High-Resolution Microscopy and Density-Functional Theory Calculation. Microscopy and Microanalysis, 2014, 20, 514-515. | 0.2 | 1 |
| 85 | Creating intermediate bands in ZnTe via co-alloying approach. Applied Physics Express, 2014, 7, 121201. | 1.1 | 7 |
| 86 | Determination of Polarizationâ€Fields Across Polytype Interfaces in InAs Nanopillars. Advanced Materials, 2014, 26, 1052-1057. | 11.1 | 27 |
| 87 | Engineering Grain Boundaries in Cu<sub>2</sub>ZnSnSe<sub>4</sub> for Better Cell Performance: A Firstâ€Principle Study. Advanced Energy Materials, 2014, 4, 1300712. | 10.2 | 135 |
| 88 | Unusual defect physics in CH3NH3PbI3 perovskite solar cell absorber. Applied Physics Letters, 2014, 104, . | 1.5 | 2,142 |
| 89 | Grain-Boundary-Enhanced Carrier Collection in CdTe Solar Cells. Physical Review Letters, 2014, 112, 156103. | 2.9 | 258 |
| 90 | Unique Properties of Halide Perovskites as Possible Origins of the Superior Solar Cell Performance. Advanced Materials, 2014, 26, 4653-4658. | 11.1 | 1,735 |

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| 91 | Predictions for p-Type CH<sub>3</sub>NH<sub>3</sub>PbI<sub>3</sub> Perovskites. Journal of Physical Chemistry C, 2014, 118, 25350-25354. | 1.5 | 71 |
| 92 | Anomalous Alloy Properties in Mixed Halide Perovskites. Journal of Physical Chemistry Letters, 2014, 5, 3625-3631. | 2.1 | 231 |
| 93 | Stability, transparency, and conductivity of MgxZn1â^'xO and CdxZn1â^'xO: Designing optimum transparency conductive oxides. Journal of Applied Physics, 2014, 115, . | 1.1 | 10 |
| 94 | Carrier Separation at Dislocation Pairs in CdTe. Physical Review Letters, 2013, 111, 096403. | 2.9 | 51 |
| 95 | Structural, electronic, and optical properties of Cu3-V-VI4 compound semiconductors. Applied Physics Letters, 2013, 103, . | 1.5 | 36 |
| 96 | From atomic structure to photovoltaic properties in CdTe solar cells. Ultramicroscopy, 2013, 134, 113-125. | 0.8 | 80 |
| 97 | Control of one-dimensional magnetism in graphene via spontaneous hydrogenation of the grain boundary. Physical Chemistry Chemical Physics, 2013, 15, 8271. | 1.3 | 5 |
| 98 | The structure and properties of (aluminum, oxygen) defect complexes in silicon. Journal of Applied Physics, 2013, 114, 063520. | 1.1 | 10 |
| 99 | Defect segregation at grain boundary and its impact on photovoltaic performance of CuInSe2. Applied Physics Letters, 2013, 102, . | 1.5 | 50 |
| 100 | The electronic properties of point defects in earth-abundant photovoltaic material Zn3P2: A hybrid functional method study. Journal of Applied Physics, 2013, 113, . | 1.1 | 26 |
| 101 | First principles study of aluminum-oxygen complexes in silicon. , 2013, , . | | 0 |
| 102 | Electrostatic Potentials at Cu(In,Ga)<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Se</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>Grain Boundaries: Experiment and Simulations. Physical Review Letters, 2012, 109, 095506. | 2.9 | 39 |
| 103 | Electronic and optical properties of CoX2O4 (Xâ€‰=â€‰Al, Ga, In) alloys. Applied Physics Letters, 2012, 100, . | 1.5 | 15 |
| 104 | Comparative study of defect transition energy calculation methods: The case of oxygen vacancy in In<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>and ZnO. Physical Review B, 2012, 86, . | 1.1 | 23 |
| 105 | Possible effects of oxygen in Te-rich Î£3 (112) grain boundaries in CdTe. Solid State Communications, 2012, 152, 1744-1747. | 0.9 | 27 |
| 106 | Strong asymmetrical doping properties of spinel CoAl2O4. Journal of Applied Physics, 2012, 111, 093723. | 1.1 | 6 |
| 107 | Realizing a SnO2-based ultraviolet light-emitting diode via breaking the dipole-forbidden rule. NPG Asia Materials, 2012, 4, e30-e30. | 3.8 | 137 |
| 108 | Titanium and magnesium Co-alloyed hematite thin films for photoelectrochemical water splitting. Journal of Applied Physics, 2012, 111, 073502. | 1.1 | 30 |

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| 109 | Origin of the diverse behavior of oxygen vacancies inABO3perovskites: A symmetry based analysis. Physical Review B, 2012, 85, . | 1.1 | 28 |
| 110 | A Novel Codoping Approach for Enhancing the Performance of LiFePO<sub>4</sub> Cathodes. Advanced Energy Materials, 2012, 2, 1028-1032. | 10.2 | 72 |
| 111 | Polarizationâ€induced Charge Distribution at Homogeneous Zincblende/Wurtzite Heterostructural Junctions in ZnSe Nanobelts. Advanced Materials, 2012, 24, 1328-1332. | 11.1 | 30 |
| 112 | Double-Hole-Mediated Coupling of Dopants and Its Impact on Band Gap Engineering in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>TiO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2011, 106, 066801. | 2.9 | 134 |
| 113 | Doping properties of monoclinic BiVO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>studied by first-principles density-functional theory. Physical Review B, 2011, 83, . | 1.1 | 194 |
| 114 | Origin of Bonding between the SWCNT and the Fe<sub>3</sub>O<sub>4</sub>(001) Surface and the Enhanced Electrical Conductivity. Journal of Physical Chemistry Letters, 2011, 2, 2853-2858. | 2.1 | 17 |
| 115 | Prediction of the chemical trends of oxygen vacancy levels in binary metal oxides. Applied Physics Letters, 2011, 99, . | 1.5 | 42 |
| 116 | Effective band gap narrowing of anatase TiO2 by strain along a soft crystal direction. Applied Physics Letters, 2010, 96, . | 1.5 | 185 |
| 117 | Band structure engineering of semiconductors for enhanced photoelectrochemical water splitting: The case of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>TiO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2010, 82, . | 1.1 | 300 |
| 118 | Revised ab initio natural band offsets of all group IV, II-VI, and III-V semiconductors. Applied Physics Letters, 2009, 94, . | 1.5 | 188 |
| 119 | Hybridized kinetic energy functional for orbital-free density functional method. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 480-483. | 0.9 | 1 |
| 120 | Electronic structure and phase stability of MgTe, ZnTe, CdTe, and their alloys in theB3,B4, andB8 structures. Physical Review B, 2009, 79, . | 1.1 | 55 |
| 121 | Quaternary semiconductors with positive crystal field splitting: Potential high-efficiency spin-polarized electron sources. Applied Physics Letters, 2009, 95, . | 1.5 | 14 |
| 122 | Magic number 32 and 90 of metal clusters: A shell jellium model study. Solid State Communications, 2008, 147, 323-326. | 0.9 | 11 |
| 123 | Origin of the unusually large band-gap bowing and the breakdown of the band-edge distribution rule in theSnxGe1â^'xalloys. Physical Review B, 2008, 78, . | 1.1 | 149 |
| 124 | Defect calculations with quasiparticle correction: A revisited study of iodine defects in CH3NH3PbI3. Chinese Physics B, 0, , . | 0.7 | 0 |