# Jia-ou Wang

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4639070/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 174 papers | 6,551 citations | 76196 40 h-index | 74018 75 g-index |
| 175 all docs | 175 docs citations | 175 times ranked | 8927 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Epitaxial Growth and Airâ€Stability of Monolayer Antimonene on PdTe<sub>2</sub>. Advanced Materials, 2017, 29, 1605407. | 11.1 | 313 |
| 2 | Bismuth Oxybromide with Reasonable Photocatalytic Reduction Activity under Visible Light. ACS Catalysis, 2014, 4, 954-961. | 5.5 | 300 |
| 3 | Covalency competition dominates the water oxidation structureâ€“activity relationship on spinel oxides. Nature Catalysis, 2020, 3, 554-563. | 16.1 | 284 |
| 4 | Redâ€Carbonâ€Quantumâ€Dotâ€Doped SnO<sub>2</sub> Composite with Enhanced Electron Mobility for Efficient and Stable Perovskite Solar Cells. Advanced Materials, 2020, 32, e1906374. | 11.1 | 230 |
| 5 | Epitaxial Growth of Flat Antimonene Monolayer: A New Honeycomb Analogue of Graphene. Nano Letters, 2018, 18, 2133-2139. | 4.5 | 219 |
| 6 | Construction of a sp<sup>3</sup>/sp<sup>2</sup> Carbon Interface in 3D Nâ€Doped Nanocarbons for the Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2019, 58, 15089-15097. | 7.2 | 215 |
| 7 | Reversely trapping atoms from a perovskite surface for high-performance and durable fuel cell cathodes. Nature Catalysis, 2022, 5, 300-310. | 16.1 | 175 |
| 8 | Giant polarization in super-tetragonal thin films through interphase strain. Science, 2018, 361, 494-497. | 6.0 | 173 |
| 9 | One-pot synthesis of porous 1T-phase MoS2 integrated with single-atom Cu doping for enhancing electrocatalytic hydrogen evolution reaction. Applied Catalysis B: Environmental, 2019, 251, 87-93. | 10.8 | 160 |
| 10 | Singleâ€Atom Fe Catalysts for Fentonâ€Like Reactions: Roles of Different N Species. Advanced Materials, 2022, 34, e2110653. | 11.1 | 158 |
| 11 | Intrinsically patterned two-dimensional materials for selective adsorption of molecules andÂnanoclusters. Nature Materials, 2017, 16, 717-721. | 13.3 | 150 |
| 12 | Hybrid 0Dâ€“2D black phosphorus quantum dotsâ€“graphitic carbon nitride nanosheets for efficient hydrogen evolution. Nano Energy, 2018, 50, 552-561. | 8.2 | 148 |
| 13 | Electronic structure of antimonene grown on Sb2Te3 (111) and Bi2Te3 substrates. Journal of Applied Physics, 2016, 119, . | 1.1 | 143 |
| 14 | Activating Titania for Efficient Electrocatalysis by Vacancy Engineering. ACS Catalysis, 2018, 8, 4288-4293. | 5.5 | 141 |
| 15 | Quasi-freestanding epitaxial silicene on Ag(111) by oxygen intercalation. Science Advances, 2016, 2, e1600067. | 4.7 | 138 |
| 16 | Tuning Bifunctional Oxygen Electrocatalysts by Changing the Aâ€Site Rareâ€Earth Element in Perovskite Nickelates. Advanced Functional Materials, 2018, 28, 1803712. | 7.8 | 122 |
| 17 | Thin-Layer Fe<sub>2</sub>TiO<sub>5</sub> on Hematite for Efficient Solar Water Oxidation. ACS Nano, 2015, 9, 5348-5356. | 7.3 | 121 |
| 18 | Modulation of perovskite crystallization processes towards highly efficient and stable perovskite solar cells with MXene quantum dot-modified SnO<sub>2</sub>. Energy and Environmental Science, 2021, 14, 3447-3454. | 15.6 | 115 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Highly wettable and metallic NiFe-phosphate/phosphide catalyst synthesized by plasma for highly efficient oxygen evolution reaction. Journal of Materials Chemistry A, 2018, 6, 7509-7516. | 5.2 | 112 |
| 20 | Direct Synthesis of Nickel(II) Tetraphenylporphyrin and Its Interaction with a Au(111) Surface: A Comprehensive Study. Journal of Physical Chemistry C, 2010, 114, 9908-9916. | 1.5 | 100 |
| 21 | Epitaxially grown monolayer VSe 2 : an air-stable magnetic two-dimensional material with low work function at edges. Science Bulletin, 2018, 63, 419-425. | 4.3 | 92 |
| 22 | Band Gap Modulated by Electronic Superlattice in Blue Phosphorene. ACS Nano, 2018, 12, 5059-5065. | 7.3 | 92 |
| 23 | A dye-sensitized visible light photocatalyst-Bi24O31Cl10. Scientific Reports, 2014, 4, 7384. | 1.6 | 91 |
| 24 | Photo-induced non-volatile VO2 phase transition for neuromorphic ultraviolet sensors. Nature Communications, 2022, 13, 1729. | 5.8 | 88 |
| 25 | Strain stabilized nickel hydroxide nanoribbons for efficient water splitting. Energy and Environmental Science, 2020, 13, 229-237. | 15.6 | 78 |
| 26 | Cooperative Electronâ€“Phonon Coupling and Buckled Structure in Germanene on Au(111). ACS Nano, 2017, 11, 3553-3559. | 7.3 | 75 |
| 27 | The Origin of Oxygen Vacancies Controlling La<sub>2/3</sub>Sr<sub>1/3</sub>MnO<sub>3</sub> Electronic and Magnetic Properties. Advanced Materials Interfaces, 2016, 3, 1500753. | 1.9 | 73 |
| 28 | Effects of Oxygen Adsorption on the Surface State of Epitaxial Silicene on Ag(111). Scientific Reports, 2014, 4, 7543. | 1.6 | 70 |
| 29 | Metalâ€“Insulator Transition Induced by Oxygen Vacancies from Electrochemical Reaction in Ionic Liquidâ€Gated Manganite Films. Advanced Materials Interfaces, 2015, 2, 1500407. | 1.9 | 68 |
| 30 | Investigation of electron-phonon coupling in epitaxial silicene byin situRaman spectroscopy. Physical Review B, 2015, 91, . | 1.1 | 67 |
| 31 | Preparation and application in pâ€“n homojunction diode of p-type transparent conducting Ga-doped SnO2 thin films. Thin Solid Films, 2010, 518, 5542-5545. | 0.8 | 62 |
| 32 | Evidence of Topological Edge States in Buckled Antimonene Monolayers. Nano Letters, 2019, 19, 6323-6329. | 4.5 | 61 |
| 33 | The formation of (NiFe)S<sub>2</sub> pyrite mesocrystals as efficient pre-catalysts for water oxidation. Chemical Science, 2018, 9, 2762-2767. | 3.7 | 60 |
| 34 | Dirac Signature in Germanene on Semiconducting Substrate. Advanced Science, 2018, 5, 1800207. | 5.6 | 59 |
| 35 | Unzipping of black phosphorus to form zigzag-phosphorene nanobelts. Nature Communications, 2020, 11, 3917. | 5.8 | 55 |
| 36 | Construction of a sp<sup>3</sup>/sp<sup>2</sup> Carbon Interface in 3D Nâ€Doped Nanocarbons for the Oxygen Reduction Reaction. Angewandte Chemie, 2019, 131, 15233-15241. | 1.6 | 49 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Hydrogen Impurity Defects in Rutile TiO2. Scientific Reports, 2015, 5, 17634. | 1.6 | 47 |
| 38 | Structural analysis and magnetic properties of Gd doped BiFeO3 ceramics. Ceramics International, 2014, 40, 14083-14089. | 2.3 | 46 |
| 39 | Revealing the role of lattice distortions in the hydrogen-induced metal-insulator transition of SmNiO3. Nature Communications, 2019, 10, 694. | 5.8 | 46 |
| 40 | Overcoming synthetic metastabilities and revealing metal-to-insulator transition & thermistor bi-functionalities for d-band correlation perovskite nickelates. Materials Horizons, 2019, 6, 788-795. | 6.4 | 44 |
| 41 | Fabrication of a Singleâ€Atom Platinum Catalyst for the Hydrogen Evolution Reaction: A New Protocol by Utilization of H<sub>x</sub>MoO<sub>3â^'x</sub> with Plasmon Resonance. ChemCatChem, 2018, 10, 946-950. | 1.8 | 43 |
| 42 | Band gap engineering of TiO2 through hydrogenation. Applied Physics Letters, 2014, 105, . | 1.5 | 39 |
| 43 | High quality PdTe2 thin films grown by molecular beam epitaxy. Chinese Physics B, 2018, 27, 086804. | 0.7 | 39 |
| 44 | Germanium Nanosheets with Dirac Characteristics as a Saturable Absorber for Ultrafast Pulse Generation. Advanced Materials, 2021, 33, e2101042. | 11.1 | 38 |
| 45 | Observation of van Hove Singularities in Twisted Silicene Multilayers. ACS Central Science, 2016, 2, 517-521. | 5.3 | 37 |
| 46 | Chemical-Pressure-Modulated BaTiO<sub>3</sub> Thin Films with Large Spontaneous Polarization and High Curie Temperature. Journal of the American Chemical Society, 2021, 143, 6491-6497. | 6.6 | 37 |
| 47 | Amorphous MoO<sub>3â^'x</sub> nanosheets prepared by the reduction of crystalline MoO<sub>3</sub> by Mo metal for LSPR and photothermal conversion. Chemical Communications, 2019, 55, 12527-12530. | 2.2 | 36 |
| 48 | Self-powered sensitive and stable UV-visible photodetector based on GdNiO3/Nb-doped SrTiO3 heterojunctions. Applied Physics Letters, 2017, 110, . | 1.5 | 35 |
| 49 | Effects of oxygen vacancy on the electronic structure and multiferroics in solâ€“gel derived Pb0.8Co0.2TiO3 thin films. Dalton Transactions, 2013, 42, 10358. | 1.6 | 32 |
| 50 | Manipulating the Structural and Electronic Properties of Epitaxial SrCoO<sub>2.5</sub> Thin Films by Tuning the Epitaxial Strain. ACS Applied Materials & Interfaces, 2018, 10, 10211-10219. | 4.0 | 31 |
| 51 | Understanding the Electronic Structure Evolution of Epitaxial LaNi<sub>1â€“x</sub>Fe<sub>x</sub>O<sub>3</sub> Thin Films for Water Oxidation. Nano Letters, 2021, 21, 8324-8331. | 4.5 | 31 |
| 52 | Probing Ligand-Induced Cooperative Orbital Redistribution That Dominates Nanoscale Moleculeâ€“Surface Interactions with One-Unit-Thin TiO<sub>2</sub> Nanosheets. Nano Letters, 2018, 18, 7809-7815. | 4.5 | 30 |
| 53 | Epitaxial fabrication of two-dimensional NiSe2 on Ni(111) substrate. Applied Physics Letters, 2017, 111, . | 1.5 | 29 |
| 54 | Synchrotron X-ray Absorption Spectroscopy Study of Local Structure in Al-Doped BiFeO3 Powders. Nanoscale Research Letters, 2019, 14, 137. | 3.1 | 29 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | A direct Feâ€“O coordination at the FePc/MoO<sub>x</sub> interface investigated by XPS and NEXAFS spectroscopies. Physical Chemistry Chemical Physics, 2015, 17, 3463-3469. | 1.3 | 27 |
| 56 | SnO2/Mg combination electron selective transport layer for Si heterojunction solar cells. Solar Energy Materials and Solar Cells, 2019, 200, 109996. | 3.0 | 27 |
| 57 | Electronic structure evolutions driven by oxygen vacancy in SrCoO3â˜'x films. Science China Materials, 2019, 62, 1162-1168. | 3.5 | 27 |
| 58 | O2phole-assisted electronic processes in thePr1â˜'xSrxMnO3(x=0.0, 0.3) system. Physical Review B, 2004, 70, . | 1.1 | 26 |
| 59 | Local electronic structure analysis of Zn-doped BiFeO3 powders by X-ray absorption fine structure spectroscopy. Journal of Alloys and Compounds, 2017, 710, 843-849. | 2.8 | 26 |
| 60 | A d-Band Electron Correlated Thermoelectric Thermistor Established in Metastable Perovskite Family of Rare-Earth Nickelates. ACS Applied Materials & Interfaces, 2019, 11, 34128-34134. | 4.0 | 26 |
| 61 | Airâ€Stable Monolayer Cu<sub>2</sub>Se Exhibits a Purely Thermal Structural Phase Transition. Advanced Materials, 2020, 32, e1908314. | 11.1 | 26 |
| 62 | Charge transfer dynamics of 3,4,9,10-perylene-tetracarboxylic-dianhydride molecules on Au(111) probed by resonant photoemission spectroscopy. Journal of Chemical Physics, 2011, 135, 174701. | 1.2 | 25 |
| 63 | Enhanced switchable photovoltaic response and ferromagnetic of Co-doped BiFeO3 based ferroelectric thin films. Journal of Alloys and Compounds, 2018, 742, 351-355. | 2.8 | 25 |
| 64 | Realization of Strained Stanene by Interface Engineering. Journal of Physical Chemistry Letters, 2019, 10, 1558-1565. | 2.1 | 25 |
| 65 | Strainâ€Mediated High Conductivity in Ultrathin Antiferromagnetic Metallic Nitrides. Advanced Materials, 2021, 33, 2005920. | 11.1 | 25 |
| 66 | Hole Carriers Doping Effect on the Metalâ€“Insulator Transition of N-Incorporated Vanadium Dioxide Thin Films. Journal of Physical Chemistry C, 2014, 118, 12837-12844. | 1.5 | 24 |
| 67 | Spontaneous Formation of a Superconductorâ€“Topological Insulatorâ€–Normal Metal Layered Heterostructure. Advanced Materials, 2016, 28, 5013-5017. | 11.1 | 24 |
| 68 | The origin of enhanced photocatalytic activities of hydrogenated TiO<sub>2</sub> nanoparticles. Dalton Transactions, 2017, 46, 10694-10699. | 1.6 | 24 |
| 69 | In Vitro Model on Glass Surfaces for Complex Interactions between Different Types of Cells. Langmuir, 2010, 26, 17790-17794. | 1.6 | 22 |
| 70 | Tailoring of polar and nonpolar ZnO planes on MgO (001) substrates through molecular beam epitaxy. Nanoscale Research Letters, 2012, 7, 184. | 3.1 | 21 |
| 71 | Oxygen vacancy induced electronic structure variation in the La0.2Sr0.8MnO3 thin film. AIP Advances, 2019, 9, . | 0.6 | 21 |
| 72 | Strong Ferromagnetism Achieved via Breathing Lattices in Atomically Thin Cobaltites. Advanced Materials, 2021, 33, e2001324. | 11.1 | 21 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | An experimental study of the local electronic structure of B-site gallium doped bismuth ferrite powders. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 2367-2373. | 0.9 | 19 |
| 74 | Nanoseparation-inspired manipulation of the synthesis of CdS nanorods. Nano Research, 2011, 4, 226-232. | 5.8 | 18 |
| 75 | Correlation between electronic structure and magnetic properties of Fe-doped ZnO films. Journal of Applied Physics, 2012, 111, . | 1.1 | 18 |
| 76 | Strain-mediated insulator-metal transition in topotactically hydro-reduced SrFeO2. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1. | 2.0 | 18 |
| 77 | Evidence of Surface-Preferential Co Distribution in ZnO Nanocrystal and Its Effects on the Ferromagnetic Property. ACS Applied Materials & Interfaces, 2010, 2, 2053-2059. | 4.0 | 17 |
| 78 | Electronic Structure of BiFe1â^'xMnxO3Thin Films Investigated by X-Ray Absorption Spectroscopy. Journal of Nanomaterials, 2012, 2012, 1-7. | 1.5 | 17 |
| 79 | Large-Gap Quantum Spin Hall State and Temperature-Induced Lifshitz Transition in Bi<sub>4</sub>Br<sub>4</sub>. ACS Nano, 2022, 16, 3036-3044. | 7.3 | 17 |
| 80 | Flexible VO<sub>2</sub> Films for Inâ€Sensor Computing with Ultraviolet Light. Advanced Functional Materials, 2022, 32, . | 7.8 | 17 |
| 81 | Strain-Enhanced Charge Transfer and Magnetism at a Manganite/Nickelate Interface. ACS Applied Materials & Interfaces, 2018, 10, 30803-30810. | 4.0 | 16 |
| 82 | Overlooked Transportation Anisotropies in d-Band Correlated Rare-Earth Perovskite Nickelates. Matter, 2020, 2, 1296-1306. | 5.0 | 16 |
| 83 | Electronic structure and room temperature ferromagnetism of C doped TiO2. Solid State Communications, 2016, 243, 7-11. | 0.9 | 15 |
| 84 | Anisotropic electronic structure of antimonene. Applied Physics Letters, 2019, 115, . | 1.5 | 15 |
| 85 | Distribution and concentration of surface oxygen vacancy of TiO<sub>2</sub> and its photocatalytic activity. Journal Physics D: Applied Physics, 2020, 53, 424001. | 1.3 | 15 |
| 86 | Electronic structure evolution of single bilayer Bi(1â€‰1â€‰1) film on 3D topological insulator Bi2SexTe3â^'xsurfaces. Journal of Physics Condensed Matter, 2016, 28, 255501. | 0.7 | 14 |
| 87 | Dimensional Control of Octahedral Tilt in SrRuO<sub>3</sub> via Infinite-Layered Oxides. Nano Letters, 2021, 21, 3146-3154. | 4.5 | 14 |
| 88 | Role of Atomic Interaction in Electronic Hybridization in Two-Dimensional Ag<sub>2</sub>Ge Nanosheets. Journal of Physical Chemistry C, 2017, 121, 16754-16760. | 1.5 | 13 |
| 89 | Mo-Al co-doped VO2(B) thin films: CVD synthesis, thermal sensitive properties, synchrotron radiation photoelectron and absorption spectroscopy study. Journal of Alloys and Compounds, 2018, 745, 247-255. | 2.8 | 13 |
| 90 | Voltage-Controlled Oxygen Non-Stoichiometry in SrCoO<sub>3</sub>Î´ Thin Films. Chemistry of Materials, 2019, 31, 6117-6123. | 3.2 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | A new type of noncovalent surfaceâ€“Ï€ stacking interaction occurring on peroxide-modified titania nanosheets driven by vertical Ï€-state polarization. Chemical Science, 2021, 12, 4411-4417. | 3.7 | 13 |
| 92 | Role of oxygen vacancies in colossal polarization in SmFeO <sub>3â”Î´</sub> thin films. Science Advances, 2022, 8, eabm8550. | 4.7 | 13 |
| 93 | XANES study of phenylalanine and glycine adsorption on single-walled carbon nanotubes. Materials Letters, 2009, 63, 431-433. | 1.3 | 12 |
| 94 | Supercritical synthesis and characterization of SWNT-based one dimensional nanomaterials. Nanoscale, 2011, 3, 3103. | 2.8 | 12 |
| 95 | Nonrandomly Distributed Tungsten Vacancies and Interstitial Boron Trimers in Tungsten Tetraboride. Journal of Physical Chemistry C, 2019, 123, 29314-29323. | 1.5 | 12 |
| 96 | Experimental Realization of Two-Dimensional Buckled Lieb Lattice. Nano Letters, 2020, 20, 2537-2543. | 4.5 | 12 |
| 97 | Anisotropic Electronic Structure and Interfacial Chemical Reaction of Stanene/Bi<sub>2</sub>Te<sub>3</sub>. Journal of Physical Chemistry C, 2020, 124, 4917-4924. | 1.5 | 12 |
| 98 | Structural twinning-induced insulating phase in CrN (111) films. Physical Review Materials, 2021, 5, . | 0.9 | 12 |
| 99 | Spontaneous phase segregation of Sr <sub>2</sub> NiO <sub>3</sub> and SrNi <sub>2</sub> O <sub>3</sub> during SrNiO <sub>3</sub> heteroepitaxy. Science Advances, 2021, 7, . | 4.7 | 12 |
| 100 | First Endohedral Metallofullerene-Containing Polymer: Preparation and Characterization of Gd@C82-Polystyrene. Journal of Physical Chemistry C, 2010, 114, 7631-7636. | 1.5 | 11 |
| 101 | Data analysis method to achieve sub-10â€…pm spatialÂresolution using extended X-ray absorption fine-structure spectroscopy. Journal of Synchrotron Radiation, 2014, 21, 756-761. | 1.0 | 11 |
| 102 | Controllable Ferromagnetism in Super-tetragonal PbTiO<sub>3</sub> through Strain Engineering. Nano Letters, 2020, 20, 881-886. | 4.5 | 11 |
| 103 | Molten-salt synthesis of rare-earth nickelate electronic transition semiconductors at medium high metastability. Scripta Materialia, 2022, 207, 114271. | 2.6 | 11 |
| 104 | Room-Temperature Ferromagnetism at an Oxide-Nitride Interface. Physical Review Letters, 2022, 128, 017202. | 2.9 | 11 |
| 105 | An in situ resonant photoemission and x-ray absorption study of the BiFeO3 thin film. Ceramics International, 2016, 42, 10624-10630. | 2.3 | 10 |
| 106 | Investigation of the multiplet features of SrTiO<sub>3</sub>in X-ray absorption spectra based on configuration interaction calculations. Journal of Synchrotron Radiation, 2018, 25, 777-784. | 1.0 | 10 |
| 107 | Experimental Synthesis of Strained Monolayer Silver Arsenide on Ag(111) Substrates. Chinese Physics Letters, 2020, 37, 068103. | 1.3 | 10 |
| 108 | Anisotropic electronic phase transition in CrN epitaxial thin films. Applied Physics Letters, 2022, 120, . | 1.5 | 10 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Tunable Electronic Structures in Wrinkled 2D Transitionâ€Metalâ€Trichalcogenide (TMT) HfTe<sub>3</sub> Films. Advanced Electronic Materials, 2016, 2, 1600324. | 2.6 | 9 |
| 110 | Interface chemistry study of InSb/Al 2 O 3 stacks upon in situ post deposition annealing by synchrotron radiation photoemission spectroscopy. Applied Surface Science, 2017, 425, 932-940. | 3.1 | 9 |
| 111 | Strong Coupling of Magnetism and Lattice Induces Near-Zero Thermal Expansion over Broad Temperature Windows in ErFe <sub>10</sub> V <sub>2â€™</sub>  <sub>x</sub>  Mo  <sub>x</sub>  Compounds. CCS Chemistry, 2021, 3, 1009-1015. | 4.6 | 9 |
| 112 | Highâ€Conductive Protonated Layered Oxides from H<sub>2</sub>O Vaporâ€Annealed Brownmillerites. Advanced Materials, 2021, 33, e2104623. | 11.1 | 9 |
| 113 | Observation of an Incommensurate Charge Density Wave in Monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>TiSe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2022, 128, 026401. | 7.9 | 9 |
| 114 | Fullerene film on metal surface: Diffusion of metal atoms and interface model. Applied Physics Letters, 2014, 104, . | 1.5 | 8 |
| 115 | Impact of thickness on microscopic and macroscopic properties of Fe-Te-Se superconductor thin films. AIP Advances, 2015, 5, 047149. | 0.6 | 8 |
| 116 | Synthesis of NiO Nanotubes via a Dynamic Thermal Oxidation Process. Materials, 2019, 12, 805. | 1.3 | 8 |
| 117 | Influence of nitrogen and magnesium doping on the properties of ZnO films. Chinese Physics B, 2016, 25, 076105. | 0.7 | 7 |
| 118 | Observation of selective surface element substitution in FeTe <sub>0.5</sub> Se <sub>0.5</sub> superconductor thin film exposed to ambient air by synchrotron radiation spectroscopy. Chinese Physics B, 2016, 25, 097402. | 0.7 | 7 |
| 119 | Well-saturated ferroelectric polarization in PbTiO3â€“SmFeO3 thin films. Inorganic Chemistry Frontiers, 2016, 3, 1473-1479. | 3.0 | 7 |
| 120 | Interface chemistry and surface morphology evolution study for InAs/Al2O3 stacks upon in situ ultrahigh vacuum annealing. Applied Surface Science, 2018, 443, 567-574. | 3.1 | 7 |
| 121 | Electronic states and molecular orientation of ITIC film. Chinese Physics B, 2018, 27, 088801. | 0.7 | 7 |
| 122 | The band structure change of Hf0.5Zr0.5O2/Ge system upon post deposition annealing. Applied Surface Science, 2019, 488, 778-782. | 3.1 | 7 |
| 123 | Research on the defect types transformation induced by growth temperature of vertical graphene nanosheets. Journal of Alloys and Compounds, 2019, 781, 1048-1053. | 2.8 | 7 |
| 124 | Frequency switchable correlated transports in perovskite rare-earth nickelates. Journal of Materials Chemistry A, 2020, 8, 13630-13637. | 5.2 | 7 |
| 125 | In-plane crystal field constrained electronic structure of stanene. Applied Physics Letters, 2020, 116, . | 1.5 | 7 |
| 126 | Angular dependent NEXAFS study of the molecular orientation of PTCDA multilayers on Au (111) surface. Science Bulletin, 2011, 56, 3575-3577. | 1.7 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Correspondence between the electronic structure and phase separation in a K-doped FeSe system. Journal of Physics Condensed Matter, 2017, 29, 395503. | 0.7 | 6 |
| 128 | Delta-temperatural electronic transportation achieved in metastable perovskite rare-earth nickelate thin films. Journal of Materials Chemistry C, 2019, 7, 8101-8108. | 2.7 | 6 |
| 129 | Revealing the role of interfacial heterogeneous nucleation in the metastable thin film growth of rare-earth nickelate electronic transition materials. Physical Chemistry Chemical Physics, 2022, 24, 9333-9344. | 1.3 | 6 |
| 130 | Hydrogen induced electronic transition within correlated perovskite nickelates with heavy rare-earth composition. Applied Physics Letters, 2022, 120, . | 1.5 | 6 |
| 131 | Temperature effect on the electronic structure of Nb:SrTiO <sub>3</sub> (100) surface. Chinese Physics B, 2015, 24, 027901. | 0.7 | 5 |
| 132 | Fullerene-derivative PC 61 BM forms three types of phase-pure monolayer on the surface of Au(111). Surface Science, 2016, 654, 8-13. | 0.8 | 5 |
| 133 | Reaction of PC61BM Film with Potassium. Journal of Physical Chemistry C, 2017, 121, 19097-19103. | 1.5 | 5 |
| 134 | Coexistence of dielectric relaxation and magnetic relaxation in compressively strained BiFeO3/Ba0.7Sr0.3TiO3 superlattices. Applied Physics Letters, 2019, 114, . | 1.5 | 5 |
| 135 | Epitaxial fabrication of monolayer copper arsenide on Cu(111)*. Chinese Physics B, 2020, 29, 077301. | 0.7 | 5 |
| 136 | Performance of the Recycled and Copper-Doped Materials from Spent Electrodes by XPS and Voltammetric Characteristics. Journal of the Electrochemical Society, 2020, 167, 090548. | 1.3 | 5 |
| 137 | Reversible Potassium Intercalation in Blue Phosphoreneâ€“Au Network Driven by an Electric Field. Journal of Physical Chemistry Letters, 2020, 11, 5584-5590. | 2.1 | 5 |
| 138 | Correlation transports at p-/n-types in electron metastable perovskite family of rare-earth nickelates. Applied Physics Letters, 2020, 116, . | 1.5 | 5 |
| 139 | Potassium-doped PC71BM for hydrogen storage: Photoelectron spectroscopy and first-principles studies. International Journal of Hydrogen Energy, 2021, 46, 13061-13069. | 3.8 | 5 |
| 140 | Germanium Nanosheets with Dirac Characteristics as a Saturable Absorber for Ultrafast Pulse Generation (Adv. Mater. 32/2021). Advanced Materials, 2021, 33, 2170247. | 11.1 | 5 |
| 141 | Interfacial electronic states of misfit heterostructure between hexagonal ZnO and cubic NiO. Physical Review Materials, 2020, 4, . | 0.9 | 5 |
| 142 | Electronic structure of C84film studied by photoemission measurement and first-principles calculation. Journal of Physics Condensed Matter, 2009, 21, 265502. | 0.7 | 4 |
| 143 | Surface Modification Induced Shielding Effects on Electron Orbital Coupling in Metallofullerene. Journal of Nanoscience and Nanotechnology, 2010, 10, 8625-8631. | 0.9 | 4 |
| 144 | Electronic states of a C<sub>70</sub>monolayer on the surface of Ag(111). Journal of Physics Condensed Matter, 2011, 23, 395002. | 0.7 | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Detection of Fe 3d electronic states in the valence band and magnetic properties of Fe-doped ZnO film. Chinese Physics B, 2013, 22, 026101. | 0.7 | 4 |
| 146 | Measurement of core level and band offsets at the interface of ITO/Hg3In2Te6(110) heterojunction by synchrotron radiation photoelectron spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2016, 207, 24-28. | 0.8 | 4 |
| 147 | In situ study on the thermal stability and interfaces properties of Er 2 O 3 /Al 2 O 3 /Si multi stacked films by X-ray photoelectron spectroscopy. Superlattices and Microstructures, 2017, 104, 415-421. | 1.4 | 4 |
| 148 | Single-crystal growth of the iron-based superconductor La<sub>0.34</sub>Na<sub>0.66</sub>Fe<sub>2</sub>As<sub>2</sub>. Superconductor Science and Technology, 2018, 31, 125008. | 1.8 | 4 |
| 149 | Magnetoresistance in Metallic Ferroelectrics. ACS Applied Electronic Materials, 2019, 1, 1225-1232. | 2.0 | 4 |
| 150 | Electronic-structure evolution of SrFeO<sub>3â€“x </sub> during topotactic phase transformation. Journal of Physics Condensed Matter, 2022, 34, 064001. | 0.7 | 4 |
| 151 | Charge density wave states in phase-engineered monolayer VTe<sub>2</sub>. Chinese Physics B, 2022, 31, 077101. | 0.7 | 4 |
| 152 | Enhancement of magnetism of Zn0.95Co0.05O films by p-type Cu+ doping. Progress in Natural Science: Materials International, 2011, 21, 31-35. | 1.8 | 3 |
| 153 | Electronic structure of La2O3/Si interface by in situ photoemission spectroscopy. Materials Letters, 2017, 191, 97-100. | 1.3 | 3 |
| 154 | Proposal for a photoelectron spectroscopy and microscopy beamline (0.5â€“1â€…keV) at the High Energy Photon Source. Journal of Synchrotron Radiation, 2019, 26, 559-564. | 1.0 | 3 |
| 155 | Electronic states driven by the crystal field in two-dimensional materials: The case of antimonene. Physical Review B, 2022, 105, . | 1.1 | 3 |
| 156 | Direct preparation and microstructure investigation of p-type transparent conducting Ga-doped SnO2 thin films. Powder Diffraction, 2010, 25, S36-S39. | 0.4 | 2 |
| 157 | Structural change of metallofullerene: an easier thermal decomposition. Nanoscale, 2011, 3, 4130. | 2.8 | 2 |
| 158 | Multiferroics and electronic structure of (1â^'x)PbTiO3â€“xBi(Ni1/2Ti1/2)O3 thin films. Thin Solid Films, 2013, 542, 155-159. | 0.8 | 2 |
| 159 | Elemental diffusion study of Ge/Al2O3 and Ge/AlN/Al2O3 interfaces upon post deposition annealing. Surfaces and Interfaces, 2017, 9, 51-57. | 1.5 | 2 |
| 160 | Analyze chemisorbed organic/metal interface by combining the two sub-interfaces model and the integer charge transfer model. AIP Advances, 2019, 9, 045122. | 0.6 | 2 |
| 161 | O 1s2p2p Auger decay in the Pr1â^'xSrxMnO3 (x=0.0,0.3) system with excitation energies from O K threshold through above Mn L edge. Journal of Electron Spectroscopy and Related Phenomena, 2004, 137-140, 445-449. | 0.8 | 1 |
| 162 | Self-Construction of Coreâ€“Shell Structure by Metallofullerene-Containing Polymer. Journal of Nanoscience and Nanotechnology, 2011, 11, 2244-2250. | 0.9 | 1 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Electronic structures of 1-ML C84/Ag(111): Energy level alignment and work function variation. Surface Science, 2017, 666, 23-27. | 0.8 | 1 |
| 164 | Dipole-correlated carrier transportation and orbital reconfiguration in strain-distorted SrNbxTi1â^'xO3/KTaO3. Physical Chemistry Chemical Physics, 2017, 19, 29913-29917. | 1.3 | 1 |
| 165 | Interaction between the Non-Fullerene Acceptor ITIC and Potassium. ACS Omega, 2019, 4, 8087-8093. | 1.6 | 1 |
| 166 | Resistance Switching Behavior in Rectangle-Nano-Pattern SrTiO3 Induced by Simple Annealing. Materials, 2019, 12, 3698. | 1.3 | 1 |
| 167 | Electronic structure variations of polar and nonpolar ZnO lattices with nitrogen-ion bombardment using synchrotron-basedin situphotoemission and X-ray absorption spectroscopy. Journal of Synchrotron Radiation, 2020, 27, 83-89. | 1.0 | 1 |
| 168 | Electrical conductivity and infrared ray photoconductivity for lattice distorted SmNiO<sub>3</sub> perovskite oxide film. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 026701. | 0.2 | 1 |
| 169 | A comparison between powders and thin films of single-walled carbon nanotubes for the adsorption behaviors of phenylalanine and glycine by XANES study. Science China: Physics, Mechanics and Astronomy, 2010, 53, 1449-1452. | 2.0 | 0 |
| 170 | In situelectronic structure investigation ofMn doped BiFeO3thin films. Journal of Physics: Conference Series, 2013, 430, 012103. | 0.3 | 0 |
| 171 | In situ electronic structural study of VO <sub>2</sub> thin film across the metalâ€"insulator transition. Chinese Physics B, 2013, 22, 127103. | 0.7 | 0 |
| 172 | Photoelectric characteristics of silicon Pâ€"N junction with nanopillar texture: Analysis of X-ray photoelectron spectroscopy. Chinese Physics B, 2014, 23, 096101. | 0.7 | 0 |
| 173 | The photoemission study of InSb/HfO2 stacks upon N2 rapid thermal annealing. Vacuum, 2019, 168, 108815. | 1.6 | 0 |
| 174 | Ferromagnetic Materials: Strong Ferromagnetism Achieved via Breathing Lattices in Atomically Thin Cobaltites (Adv. Mater. 4/2021). Advanced Materials, 2021, 33, 2170026. | 11.1 | 0 |