

Jia-ou Wang

List of Publications by Year in descending order

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174
papers

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175
docs citations

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times ranked

8927
citing authors

#	ARTICLE	IF	CITATIONS
1	Molten-salt synthesis of rare-earth nickelate electronic transition semiconductors at medium high metastability. Scripta Materialia, 2022, 207, 114271.	5.2	11
2	Electronic-structure evolution of SrFeO_{3-x} during topotactic phase transformation. Journal of Physics Condensed Matter, 2022, 34, 064001.	1.8	4
3	Large-Gap Quantum Spin Hall State and Temperature-Induced Lifshitz Transition in Bi_4Br_4 . ACS Nano, 2022, 16, 3036-3044.	14.6	17
4	Observation of an Incommensurate Charge Density Wave in Monolayer TiSe_2 . Physical Review Letters, 2022, 128, 026401.	7.8	11
5	Room-Temperature Ferromagnetism at an Oxide-Nitride Interface. Physical Review Letters, 2022, 128, 017202.	7.8	11
6	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.	2.8	6
7	Anisotropic electronic phase transition in CrN epitaxial thin films. Applied Physics Letters, 2022, 120, .	3.3	10
8	Hydrogen induced electronic transition within correlated perovskite nickelates with heavy rare-earth composition. Applied Physics Letters, 2022, 120, .	3.3	6
9	Electronic states driven by the crystal field in two-dimensional materials: The case of antimonene. Physical Review B, 2022, 105, .	3.2	3
10	Single-Atom Fe Catalysts for Fenton-Like Reactions: Roles of Different N Species. Advanced Materials, 2022, 34, e21110653.	21.0	158
11	Role of oxygen vacancies in colossal polarization in SmFeO_3 thin films. Science Advances, 2022, 8, eabm8550.	10.3	13
12	Photo-induced non-volatile VO ₂ phase transition for neuromorphic ultraviolet sensors. Nature Communications, 2022, 13, 1729.	12.8	88
13	Charge density wave states in phase-engineered monolayer VTe_2 . Chinese Physics B, 2022, 31, 077101.	1.4	4
14	Reversely trapping atoms from a perovskite surface for high-performance and durable fuel cell cathodes. Nature Catalysis, 2022, 5, 300-310.	34.4	175
15	Flexible VO ₂ Films for In-Sensor Computing with Ultraviolet Light. Advanced Functional Materials, 2022, 32, .	14.9	17
16	Strain-Mediated High Conductivity in Ultrathin Antiferromagnetic Metallic Nitrides. Advanced Materials, 2021, 33, 2005920.	21.0	25
17	Strong Ferromagnetism Achieved via Breathing Lattices in Atomically Thin Cobaltites. Advanced Materials, 2021, 33, e2001324.	21.0	21
18	A new type of noncovalent surface- π stacking interaction occurring on peroxide-modified titania nanosheets driven by vertical π -state polarization. Chemical Science, 2021, 12, 4411-4417.	7.4	13

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19	Ferromagnetic Materials: Strong Ferromagnetism Achieved via Breathing Lattices in Atomically Thin Cobaltites (Adv. Mater. 4/2021). <i>Advanced Materials</i> , 2021, 33, 2170026.	21.0	0
20	Modulation of perovskite crystallization processes towards highly efficient and stable perovskite solar cells with MXene quantum dot-modified SnO ₂ . <i>Energy and Environmental Science</i> , 2021, 14, 3447-3454.	30.8	115
21	Structural twinning-induced insulating phase in CrN (111) films. <i>Physical Review Materials</i> , 2021, 5, .	2.4	12
22	Strong Coupling of Magnetism and Lattice Induces Near-Zero Thermal Expansion over Broad Temperature Windows in ErFe ₁₀ V ₂ Mo ₃ Compounds. <i>CCS Chemistry</i> , 2021, 3, 1009-1015.	7.8	9
23	Dimensional Control of Octahedral Tilt in SrRuO ₃ via Infinite-Layered Oxides. <i>Nano Letters</i> , 2021, 21, 3146-3154.	9.1	14
24	Spontaneous phase segregation of Sr ₂ NiO ₃ and SrNi ₂ O ₃ during SrNiO ₃ heteroepitaxy. <i>Science Advances</i> , 2021, 7, .	10.3	12
25	Chemical-Pressure-Modulated BaTiO ₃ Thin Films with Large Spontaneous Polarization and High Curie Temperature. <i>Journal of the American Chemical Society</i> , 2021, 143, 6491-6497.	13.7	37
26	Potassium-doped PC71BM for hydrogen storage: Photoelectron spectroscopy and first-principles studies. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 13061-13069.	7.1	5
27	Strain-mediated insulator-metal transition in topotactically hydro-reduced SrFeO ₂ . <i>Science China: Physics, Mechanics and Astronomy</i> , 2021, 64, 1.	5.1	18
28	Germanium Nanosheets with Dirac Characteristics as a Saturable Absorber for Ultrafast Pulse Generation. <i>Advanced Materials</i> , 2021, 33, e2101042.	21.0	38
29	Germanium Nanosheets with Dirac Characteristics as a Saturable Absorber for Ultrafast Pulse Generation (Adv. Mater. 32/2021). <i>Advanced Materials</i> , 2021, 33, 2170247.	21.0	5
30	Understanding the Electronic Structure Evolution of Epitaxial LaNi _{1-x} Fe _x O ₃ Thin Films for Water Oxidation. <i>Nano Letters</i> , 2021, 21, 8324-8331.	9.1	31
31	High-Conductive Protonated Layered Oxides from H ₂ O Vapor-Annealed Brownmillerites. <i>Advanced Materials</i> , 2021, 33, e2104623.	21.0	9
32	Controllable Ferromagnetism in Super-tetragonal PbTiO ₃ through Strain Engineering. <i>Nano Letters</i> , 2020, 20, 881-886.	9.1	11
33	Electronic structure variations of polar and nonpolar ZnO lattices with nitrogen-ion bombardment using synchrotron-based in situ photoemission and X-ray absorption spectroscopy. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 83-89.	2.4	1
34	Strain stabilized nickel hydroxide nanoribbons for efficient water splitting. <i>Energy and Environmental Science</i> , 2020, 13, 229-237.	30.8	78
35	Red-Carbon-Quantum-Doped SnO ₂ Composite with Enhanced Electron Mobility for Efficient and Stable Perovskite Solar Cells. <i>Advanced Materials</i> , 2020, 32, e1906374.	21.0	230
36	Unzipping of black phosphorus to form zigzag-phosphorene nanobelts. <i>Nature Communications</i> , 2020, 11, 3917.	12.8	55

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37	Epitaxial fabrication of monolayer copper arsenide on Cu(111)*. Chinese Physics B, 2020, 29, 077301.	1.4	5
38	Covalency competition dominates the water oxidation structure-activity relationship on spinel oxides. Nature Catalysis, 2020, 3, 554-563.	34.4	284
39	Frequency switchable correlated transports in perovskite rare-earth nickelates. Journal of Materials Chemistry A, 2020, 8, 13630-13637.	10.3	7
40	Performance of the Recycled and Copper-Doped Materials from Spent Electrodes by XPS and Voltammetric Characteristics. Journal of the Electrochemical Society, 2020, 167, 090548.	2.9	5
41	Experimental Realization of Two-Dimensional Buckled Lieb Lattice. Nano Letters, 2020, 20, 2537-2543.	9.1	12
42	Overlooked Transportation Anisotropies in d-Band Correlated Rare-Earth Perovskite Nickelates. Matter, 2020, 2, 1296-1306.	10.0	16
43	Air- $\text{Stable Monolayer Cu}_2\text{Se Exhibits a Purely Thermal Structural Phase Transition}$. Advanced Materials, 2020, 32, e1908314.	21.0	26
44	In-plane crystal field constrained electronic structure of stanene. Applied Physics Letters, 2020, 116, .	3.3	7
45	Reversible Potassium Intercalation in Blue Phosphorene-Au Network Driven by an Electric Field. Journal of Physical Chemistry Letters, 2020, 11, 5584-5590.	4.6	5
46	Experimental Synthesis of Strained Monolayer Silver Arsenide on Ag(111) Substrates. Chinese Physics Letters, 2020, 37, 068103.	3.3	10
47	Distribution and concentration of surface oxygen vacancy of TiO_2 and its photocatalytic activity. Journal Physics D: Applied Physics, 2020, 53, 424001.	2.8	15
48	Correlation transports at p - n types in electron metastable perovskite family of rare-earth nickelates. Applied Physics Letters, 2020, 116, .	3.3	5
49	Anisotropic Electronic Structure and Interfacial Chemical Reaction of Stanene/ Bi_2Te_3 . Journal of Physical Chemistry C, 2020, 124, 4917-4924.	3.1	12
50	Interfacial electronic states of misfit heterostructure between hexagonal ZnO and cubic NiO. Physical Review Materials, 2020, 4, .	2.4	5
51	Voltage-Controlled Oxygen Non-Stoichiometry in $\text{SrCoO}_{3-\delta}$ Thin Films. Chemistry of Materials, 2019, 31, 6117-6123.	6.7	13
52	Evidence of Topological Edge States in Buckled Antimonene Monolayers. Nano Letters, 2019, 19, 6323-6329.	9.1	61
53	A d-Band Electron Correlated Thermoelectric Thermistor Established in Metastable Perovskite Family of Rare-Earth Nickelates. ACS Applied Materials & Interfaces, 2019, 11, 34128-34134.	8.0	26
54	The photoemission study of InSb/HfO_2 stacks upon N_2 rapid thermal annealing. Vacuum, 2019, 168, 108815.	3.5	0

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55	Construction of a sp^3/sp^2 Carbon Interface in 3D N-Doped Nanocarbons for the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2019, 131, 15233-15241.	2.0	49
56	Construction of a sp^3/sp^2 Carbon Interface in 3D N-Doped Nanocarbons for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15089-15097.	13.8	215
57	Synchrotron X-ray Absorption Spectroscopy Study of Local Structure in Al-Doped BiFeO ₃ Powders. <i>Nanoscale Research Letters</i> , 2019, 14, 137.	5.7	29
58	Overcoming synthetic metastabilities and revealing metal-to-insulator transition & thermistor bi-functionalities for d-band correlation perovskite nickelates. <i>Materials Horizons</i> , 2019, 6, 788-795.	12.2	44
59	Magnetoresistance in Metallic Ferroelectrics. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1225-1232.	4.3	4
60	SnO ₂ /Mg combination electron selective transport layer for Si heterojunction solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2019, 200, 109996.	6.2	27
61	The band structure change of Hf _{0.5} Zr _{0.5} O ₂ /Ge system upon post deposition annealing. <i>Applied Surface Science</i> , 2019, 488, 778-782.	6.1	7
62	Delta-temperatural electronic transportation achieved in metastable perovskite rare-earth nickelate thin films. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8101-8108.	5.5	6
63	Oxygen vacancy induced electronic structure variation in the La _{0.2} Sr _{0.8} MnO ₃ thin film. <i>AIP Advances</i> , 2019, 9, .	1.3	21
64	Analyze chemisorbed organic/metal interface by combining the two sub-interfaces model and the integer charge transfer model. <i>AIP Advances</i> , 2019, 9, 045122.	1.3	2
65	Interaction between the Non-Fullerene Acceptor ITIC and Potassium. <i>ACS Omega</i> , 2019, 4, 8087-8093.	3.5	1
66	One-pot synthesis of porous 1T-phase MoS ₂ integrated with single-atom Cu doping for enhancing electrocatalytic hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 251, 87-93.	20.2	160
67	Coexistence of dielectric relaxation and magnetic relaxation in compressively strained BiFeO ₃ /Ba _{0.7} Sr _{0.3} TiO ₃ superlattices. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	5
68	Realization of Strained Stanene by Interface Engineering. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1558-1565.	4.6	25
69	Electronic structure evolutions driven by oxygen vacancy in SrCoO _{3-x} films. <i>Science China Materials</i> , 2019, 62, 1162-1168.	6.3	27
70	Synthesis of NiO Nanotubes via a Dynamic Thermal Oxidation Process. <i>Materials</i> , 2019, 12, 805.	2.9	8
71	Revealing the role of lattice distortions in the hydrogen-induced metal-insulator transition of SmNiO ₃ . <i>Nature Communications</i> , 2019, 10, 694.	12.8	46
72	Proposal for a photoelectron spectroscopy and microscopy beamline (0.5-11 keV) at the High Energy Photon Source. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 559-564.	2.4	3

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73	Resistance Switching Behavior in Rectangle-Nano-Pattern SrTiO ₃ Induced by Simple Annealing. <i>Materials</i> , 2019, 12, 3698.	2.9	1
74	Nonrandomly Distributed Tungsten Vacancies and Interstitial Boron Trimers in Tungsten Tetraboride. <i>Journal of Physical Chemistry C</i> , 2019, 123, 29314-29323.	3.1	12
75	Amorphous MoO ₃ nanosheets prepared by the reduction of crystalline MoO ₃ by Mo metal for LSPR and photothermal conversion. <i>Chemical Communications</i> , 2019, 55, 12527-12530.	4.1	36
76	Anisotropic electronic structure of antimonene. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	15
77	Research on the defect types transformation induced by growth temperature of vertical graphene nanosheets. <i>Journal of Alloys and Compounds</i> , 2019, 781, 1048-1053.	5.5	7
78	Electrical conductivity and infrared ray photoconductivity for lattice distorted SmNiO ₃ perovskite oxide film. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019, 68, 026701.	0.5	1
79	Mo-Al co-doped VO ₂ (B) thin films: CVD synthesis, thermal sensitive properties, synchrotron radiation photoelectron and absorption spectroscopy study. <i>Journal of Alloys and Compounds</i> , 2018, 745, 247-255.	5.5	13
80	Manipulating the Structural and Electronic Properties of Epitaxial SrCoO _{2.5} Thin Films by Tuning the Epitaxial Strain. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10211-10219.	8.0	31
81	Interface chemistry and surface morphology evolution study for InAs/Al ₂ O ₃ stacks upon in situ ultrahigh vacuum annealing. <i>Applied Surface Science</i> , 2018, 443, 567-574.	6.1	7
82	Activating Titania for Efficient Electrocatalysis by Vacancy Engineering. <i>ACS Catalysis</i> , 2018, 8, 4288-4293.	11.2	141
83	Epitaxial Growth of Flat Antimonene Monolayer: A New Honeycomb Analogue of Graphene. <i>Nano Letters</i> , 2018, 18, 2133-2139.	9.1	219
84	Enhanced switchable photovoltaic response and ferromagnetic of Co-doped BiFeO ₃ based ferroelectric thin films. <i>Journal of Alloys and Compounds</i> , 2018, 742, 351-355.	5.5	25
85	The formation of (NiFe) ₂ pyrite mesocrystals as efficient pre-catalysts for water oxidation. <i>Chemical Science</i> , 2018, 9, 2762-2767.	7.4	60
86	Fabrication of a Single-Atom Platinum Catalyst for the Hydrogen Evolution Reaction: A New Protocol by Utilization of H ₂ MoO ₃ with Plasmon Resonance. <i>ChemCatChem</i> , 2018, 10, 946-950.	3.7	43
87	Epitaxially grown monolayer VSe ₂ : an air-stable magnetic two-dimensional material with low work function at edges. <i>Science Bulletin</i> , 2018, 63, 419-425.	9.0	92
88	Highly wettable and metallic NiFe-phosphate/phosphide catalyst synthesized by plasma for highly efficient oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7509-7516.	10.3	112
89	Probing Ligand-Induced Cooperative Orbital Redistribution That Dominates Nanoscale Molecule-Surface Interactions with One-Unit-Thin TiO ₂ Nanosheets. <i>Nano Letters</i> , 2018, 18, 7809-7815.	9.1	30
90	Single-crystal growth of the iron-based superconductor La _{0.34} Na _{0.66} Fe ₂ As ₂ . <i>Superconductor Science and Technology</i> , 2018, 31, 125008.	3.5	4

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91	Electronic states and molecular orientation of ITIC film. Chinese Physics B, 2018, 27, 088801.	1.4	7
92	Investigation of the multiplet features of SrTiO ₃ in X-ray absorption spectra based on configuration interaction calculations. Journal of Synchrotron Radiation, 2018, 25, 777-784.	2.4	10
93	Tuning Bifunctional Oxygen Electrocatalysts by Changing the A-site Rare-Earth Element in Perovskite Nickelates. Advanced Functional Materials, 2018, 28, 1803712.	14.9	122
94	Dirac Signature in Germanene on Semiconducting Substrate. Advanced Science, 2018, 5, 1800207.	11.2	59
95	Band Gap Modulated by Electronic Superlattice in Blue Phosphorene. ACS Nano, 2018, 12, 5059-5065.	14.6	92
96	High quality PdTe ₂ thin films grown by molecular beam epitaxy. Chinese Physics B, 2018, 27, 086804.	1.4	39
97	Strain-Enhanced Charge Transfer and Magnetism at a Manganite/Nickelate Interface. ACS Applied Materials & Interfaces, 2018, 10, 30803-30810.	8.0	16
98	Hybrid 0D-2D black phosphorus quantum dots-graphitic carbon nitride nanosheets for efficient hydrogen evolution. Nano Energy, 2018, 50, 552-561.	16.0	148
99	Giant polarization in super-tetragonal thin films through interphase strain. Science, 2018, 361, 494-497.	12.6	173
100	Cooperative Electron-Phonon Coupling and Buckled Structure in Germanene on Au(111). ACS Nano, 2017, 11, 3553-3559.	14.6	75
101	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.	3.1	4
102	Self-powered sensitive and stable UV-visible photodetector based on GdNiO ₃ /Nb-doped SrTiO ₃ heterojunctions. Applied Physics Letters, 2017, 110, .	3.3	35
103	Electronic structure of La ₂ O ₃ /Si interface by in situ photoemission spectroscopy. Materials Letters, 2017, 191, 97-100.	2.6	3
104	The origin of enhanced photocatalytic activities of hydrogenated TiO ₂ nanoparticles. Dalton Transactions, 2017, 46, 10694-10699.	3.3	24
105	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.	2.1	19
106	Intrinsically patterned two-dimensional materials for selective adsorption of molecules and nanoclusters. Nature Materials, 2017, 16, 717-721.	27.5	150
107	Local electronic structure analysis of Zn-doped BiFeO ₃ powders by X-ray absorption fine structure spectroscopy. Journal of Alloys and Compounds, 2017, 710, 843-849.	5.5	26
108	Role of Atomic Interaction in Electronic Hybridization in Two-Dimensional Ag ₂ Ge Nanosheets. Journal of Physical Chemistry C, 2017, 121, 16754-16760.	3.1	13

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109	Epitaxial Growth and Airâ€Stability of Monolayer Antimonene on PdTe ₂ . Advanced Materials, 2017, 29, 1605407.	21.0	313
110	Electronic structures of 1-ML C84/Ag(111): Energy level alignment and work function variation. Surface Science, 2017, 666, 23-27.	1.9	1
111	Epitaxial fabrication of two-dimensional NiSe ₂ on Ni(111) substrate. Applied Physics Letters, 2017, 111, .	3.3	29
112	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.	6.1	9
113	Elemental diffusion study of Ge/Al ₂ O ₃ and Ge/AlN/Al ₂ O ₃ interfaces upon post deposition annealing. Surfaces and Interfaces, 2017, 9, 51-57.	3.0	2
114	Reaction of PC61BM Film with Potassium. Journal of Physical Chemistry C, 2017, 121, 19097-19103.	3.1	5
115	Dipole-correlated carrier transportation and orbital reconfiguration in strain-distorted SrNbxTi1-xO3/KTaO3. Physical Chemistry Chemical Physics, 2017, 19, 29913-29917.	2.8	1
116	Correspondence between the electronic structure and phase separation in a K-doped FeSe system. Journal of Physics Condensed Matter, 2017, 29, 395503.	1.8	6
117	The Origin of Oxygen Vacancies Controlling La _{2/3} Sr _{1/3} MnO ₃ Electronic and Magnetic Properties. Advanced Materials Interfaces, 2016, 3, 1500753.	3.7	73
118	Spontaneous Formation of a Superconductorâ€Topological Insulatorâ€Normal Metal Layered Heterostructure. Advanced Materials, 2016, 28, 5013-5017.	21.0	24
119	Influence of nitrogen and magnesium doping on the properties of ZnO films. Chinese Physics B, 2016, 25, 076105.	1.4	7
120	Observation of selective surface element substitution in FeTe _{0.5} Se _{0.5} superconductor thin film exposed to ambient air by synchrotron radiation spectroscopy. Chinese Physics B, 2016, 25, 097402.	1.4	7
121	Electronic structure of antimonene grown on Sb ₂ Te ₃ (111) and Bi ₂ Te ₃ substrates. Journal of Applied Physics, 2016, 119, .	2.5	143
122	An in situ resonant photoemission and x-ray absorption study of the BiFeO ₃ thin film. Ceramics International, 2016, 42, 10624-10630.	4.8	10
123	Well-saturated ferroelectric polarization in PbTiO ₃ â€SmFeO ₃ thin films. Inorganic Chemistry Frontiers, 2016, 3, 1473-1479.	6.0	7
124	Observation of van Hove Singularities in Twisted Silicene Multilayers. ACS Central Science, 2016, 2, 517-521.	11.3	37
125	Fullerene-derivative PC 61 BM forms three types of phase-pure monolayer on the surface of Au(111). Surface Science, 2016, 654, 8-13.	1.9	5
126	Tunable Electronic Structures in Wrinkled 2D Transitionâ€Metalâ€Trichalcogenide (TMT) HfTe ₃ Films. Advanced Electronic Materials, 2016, 2, 1600324.	5.1	9

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127	Quasi-freestanding epitaxial silicene on Ag(111) by oxygen intercalation. <i>Science Advances</i> , 2016, 2, e1600067.	10.3	138
128	Electronic structure and room temperature ferromagnetism of C doped TiO ₂ . <i>Solid State Communications</i> , 2016, 243, 7-11.	1.9	15
129	Electronic structure evolution of single bilayer Bi(1-x)S ₂ Te(3x) surfaces. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 255501.	1.8	14
130	Measurement of core level and band offsets at the interface of ITO/Hg ₃ In ₂ Te ₆ (110) heterojunction by synchrotron radiation photoelectron spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2016, 207, 24-28.	1.7	4
131	Investigation of electron-phonon coupling in epitaxial silicene by <i>in situ</i> Raman spectroscopy. <i>Physical Review B</i> , 2015, 91, .	3.2	67
132	Hydrogen Impurity Defects in Rutile TiO ₂ . <i>Scientific Reports</i> , 2015, 5, 17634.	3.3	47
133	Impact of thickness on microscopic and macroscopic properties of Fe-Te-Se superconductor thin films. <i>AIP Advances</i> , 2015, 5, 047149.	1.3	8
134	Metal-Insulator Transition Induced by Oxygen Vacancies from Electrochemical Reaction in Ionic Liquid-Gated Manganite Films. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500407.	3.7	68
135	Temperature effect on the electronic structure of Nb:SrTiO ₃ (100) surface. <i>Chinese Physics B</i> , 2015, 24, 027901.	1.4	5
136	Thin-Layer Fe ₂ TiO ₅ on Hematite for Efficient Solar Water Oxidation. <i>ACS Nano</i> , 2015, 9, 5348-5356.	14.6	121
137	A direct Fe-O coordination at the FePc/MoO _x interface investigated by XPS and NEXAFS spectroscopies. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 3463-3469.	2.8	27
138	Photoelectric characteristics of silicon P-N junction with nanopillar texture: Analysis of X-ray photoelectron spectroscopy. <i>Chinese Physics B</i> , 2014, 23, 096101.	1.4	0
139	Band gap engineering of TiO ₂ through hydrogenation. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	39
140	Hole Carriers Doping Effect on the Metal-Insulator Transition of N-Incorporated Vanadium Dioxide Thin Films. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12837-12844.	3.1	24
141	Fullerene film on metal surface: Diffusion of metal atoms and interface model. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	8
142	Bismuth Oxybromide with Reasonable Photocatalytic Reduction Activity under Visible Light. <i>ACS Catalysis</i> , 2014, 4, 954-961.	11.2	300
143	Data analysis method to achieve sub-10-nm spatial resolution using extended X-ray absorption fine-structure spectroscopy. <i>Journal of Synchrotron Radiation</i> , 2014, 21, 756-761.	2.4	11
144	Structural analysis and magnetic properties of Gd doped BiFeO ₃ ceramics. <i>Ceramics International</i> , 2014, 40, 14083-14089.	4.8	46

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145	Effects of Oxygen Adsorption on the Surface State of Epitaxial Silicene on Ag(111). Scientific Reports, 2014, 4, 7543.	3.3	70
146	A dye-sensitized visible light photocatalyst-Bi ₂ WO ₆ . Scientific Reports, 2014, 4, 7384.	3.3	91
147	Detection of Fe 3d electronic states in the valence band and magnetic properties of Fe-doped ZnO film. Chinese Physics B, 2013, 22, 026101.	1.4	4
148	Multiferroics and electronic structure of (1-x)PbTiO ₃ -xBi(Ni _{1/2} Ti _{1/2})O ₃ thin films. Thin Solid Films, 2013, 542, 155-159.	1.8	2
149	Effects of oxygen vacancy on the electronic structure and multiferroics in sol-gel derived Pb _{0.8} Co _{0.2} TiO ₃ thin films. Dalton Transactions, 2013, 42, 10358.	3.3	32
150	In situ electronic structure investigation of Mn doped BiFeO ₃ thin films. Journal of Physics: Conference Series, 2013, 430, 012103.	0.4	0
151	In situ electronic structural study of VO ₂ thin film across the metal-insulator transition. Chinese Physics B, 2013, 22, 127103.	1.4	0
152	Electronic Structure of BiFe _{1-x} MnxO ₃ Thin Films Investigated by X-Ray Absorption Spectroscopy. Journal of Nanomaterials, 2012, 2012, 1-7.	2.7	17
153	Correlation between electronic structure and magnetic properties of Fe-doped ZnO films. Journal of Applied Physics, 2012, 111, .	2.5	18
154	Tailoring of polar and nonpolar ZnO planes on MgO (001) substrates through molecular beam epitaxy. Nanoscale Research Letters, 2012, 7, 184.	5.7	21
155	Supercritical synthesis and characterization of SWNT-based one dimensional nanomaterials. Nanoscale, 2011, 3, 3103.	5.6	12
156	Structural change of metallofullerene: an easier thermal decomposition. Nanoscale, 2011, 3, 4130.	5.6	2
157	Enhancement of magnetism of Zn _{0.95} Co _{0.05} O films by p-type Cu ⁺ doping. Progress in Natural Science: Materials International, 2011, 21, 31-35.	4.4	3
158	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.	3.0	25
159	Nanoseparation-inspired manipulation of the synthesis of CdS nanorods. Nano Research, 2011, 4, 226-232.	10.4	18
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