

Jia-ou Wang

List of Publications by Year in descending order

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174
papers

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76326

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all docs

175
docs citations

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times ranked

8927
citing authors

#	ARTICLE	IF	CITATIONS
1	Epitaxial Growth and Air-Stability of Monolayer Antimonene on PdTe ₂ . <i>Advanced Materials</i> , 2017, 29, 1605407.	21.0	313
2	Bismuth Oxybromide with Reasonable Photocatalytic Reduction Activity under Visible Light. <i>ACS Catalysis</i> , 2014, 4, 954-961.	11.2	300
3	Covalency competition dominates the water oxidation structure-activity relationship on spinel oxides. <i>Nature Catalysis</i> , 2020, 3, 554-563.	34.4	284
4	Red-Carbon-Quantum-Dot-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
5	Epitaxial Growth of Flat Antimonene Monolayer: A New Honeycomb Analogue of Graphene. <i>Nano Letters</i> , 2018, 18, 2133-2139.	9.1	219
6	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
7	Reversely trapping atoms from a perovskite surface for high-performance and durable fuel cell cathodes. <i>Nature Catalysis</i> , 2022, 5, 300-310.	34.4	175
8	Giant polarization in super-tetragonal thin films through interphase strain. <i>Science</i> , 2018, 361, 494-497.	12.6	173
9	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
10	Single-Atom Fe Catalysts for Fenton-Like Reactions: Roles of Different N Species. <i>Advanced Materials</i> , 2022, 34, e2110653.	21.0	158
11	Intrinsically patterned two-dimensional materials for selective adsorption of molecules and nanoclusters. <i>Nature Materials</i> , 2017, 16, 717-721.	27.5	150
12	Hybrid 0D-2D black phosphorus quantum dots-graphitic carbon nitride nanosheets for efficient hydrogen evolution. <i>Nano Energy</i> , 2018, 50, 552-561.	16.0	148
13	Electronic structure of antimonene grown on Sb ₂ Te ₃ (111) and Bi ₂ Te ₃ substrates. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	143
14	Activating Titania for Efficient Electrocatalysis by Vacancy Engineering. <i>ACS Catalysis</i> , 2018, 8, 4288-4293.	11.2	141
15	Quasi-freestanding epitaxial silicene on Ag(111) by oxygen intercalation. <i>Science Advances</i> , 2016, 2, e1600067.	10.3	138
16	Tuning Bifunctional Oxygen Electrocatalysts by Changing the A-Site Rare-Earth Element in Perovskite Nickelates. <i>Advanced Functional Materials</i> , 2018, 28, 1803712.	14.9	122
17	Thin-Layer Fe ₂ TiO ₅ on Hematite for Efficient Solar Water Oxidation. <i>ACS Nano</i> , 2015, 9, 5348-5356.	14.6	121
18	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

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19	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
20	Direct Synthesis of Nickel(II) Tetraphenylporphyrin and Its Interaction with a Au(111) Surface: A Comprehensive Study. <i>Journal of Physical Chemistry C</i> , 2010, 114, 9908-9916.	3.1	100
21	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
22	Band Gap Modulated by Electronic Superlattice in Blue Phosphorene. <i>ACS Nano</i> , 2018, 12, 5059-5065.	14.6	92
23	A dye-sensitized visible light photocatalyst-Bi ₂ O ₃ /Cl ₁₀ . <i>Scientific Reports</i> , 2014, 4, 7384.	3.3	91
24	Photo-induced non-volatile VO ₂ phase transition for neuromorphic ultraviolet sensors. <i>Nature Communications</i> , 2022, 13, 1729.	12.8	88
25	Strain stabilized nickel hydroxide nanoribbons for efficient water splitting. <i>Energy and Environmental Science</i> , 2020, 13, 229-237.	30.8	78
26	Cooperative Electron-Phonon Coupling and Buckled Structure in Germanene on Au(111). <i>ACS Nano</i> , 2017, 11, 3553-3559.	14.6	75
27	The Origin of Oxygen Vacancies Controlling La _{2/3} Sr _{1/3} MnO ₃ Electronic and Magnetic Properties. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500753.	3.7	73
28	Effects of Oxygen Adsorption on the Surface State of Epitaxial Silicene on Ag(111). <i>Scientific Reports</i> , 2014, 4, 7543.	3.3	70
29	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
30	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
31	Preparation and application in p-n homojunction diode of p-type transparent conducting Ga-doped SnO ₂ thin films. <i>Thin Solid Films</i> , 2010, 518, 5542-5545.	1.8	62
32	Evidence of Topological Edge States in Buckled Antimonene Monolayers. <i>Nano Letters</i> , 2019, 19, 6323-6329.	9.1	61
33	The formation of (NiFe) ₂ S pyrite mesocrystals as efficient pre-catalysts for water oxidation. <i>Chemical Science</i> , 2018, 9, 2762-2767.	7.4	60
34	Dirac Signature in Germanene on Semiconducting Substrate. <i>Advanced Science</i> , 2018, 5, 1800207.	11.2	59
35	Unzipping of black phosphorus to form zigzag-phosphorene nanobelts. <i>Nature Communications</i> , 2020, 11, 3917.	12.8	55
36	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

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37	Hydrogen Impurity Defects in Rutile TiO ₂ . Scientific Reports, 2015, 5, 17634.	3.3	47
38	Structural analysis and magnetic properties of Gd doped BiFeO ₃ ceramics. Ceramics International, 2014, 40, 14083-14089.	4.8	46
39	Revealing the role of lattice distortions in the hydrogen-induced metal-insulator transition of SmNiO ₃ . Nature Communications, 2019, 10, 694.	12.8	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.	12.2	44
41	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. ChemCatChem, 2018, 10, 946-950.	3.7	43
42	Band gap engineering of TiO ₂ through hydrogenation. Applied Physics Letters, 2014, 105, .	3.3	39
43	High quality PdTe ₂ thin films grown by molecular beam epitaxy. Chinese Physics B, 2018, 27, 086804.	1.4	39
44	Germanium Nanosheets with Dirac Characteristics as a Saturable Absorber for Ultrafast Pulse Generation. Advanced Materials, 2021, 33, e2101042.	21.0	38
45	Observation of van Hove Singularities in Twisted Silicene Multilayers. ACS Central Science, 2016, 2, 517-521.	11.3	37
46	Chemical-Pressure-Modulated BaTiO ₃ Thin Films with Large Spontaneous Polarization and High Curie Temperature. Journal of the American Chemical Society, 2021, 143, 6491-6497.	13.7	37
47	Amorphous MoO ₃ nanosheets prepared by the reduction of crystalline MoO ₃ by Mo metal for LSPR and photothermal conversion. Chemical Communications, 2019, 55, 12527-12530.	4.1	36
48	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
49	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
50	Manipulating the Structural and Electronic Properties of Epitaxial SrCoO _{2.5} Thin Films by Tuning the Epitaxial Strain. ACS Applied Materials & Interfaces, 2018, 10, 10211-10219.	8.0	31
51	Understanding the Electronic Structure Evolution of Epitaxial LaNi _{1-x} Fe _x O ₃ Thin Films for Water Oxidation. Nano Letters, 2021, 21, 8324-8331.	9.1	31
52	Probing Ligand-Induced Cooperative Orbital Redistribution That Dominates Nanoscale Molecule-Surface Interactions with One-Unit-Thin TiO ₂ Nanosheets. Nano Letters, 2018, 18, 7809-7815.	9.1	30
53	Epitaxial fabrication of two-dimensional NiSe ₂ on Ni(111) substrate. Applied Physics Letters, 2017, 111, .	3.3	29
54	Synchrotron X-ray Absorption Spectroscopy Study of Local Structure in Al-Doped BiFeO ₃ Powders. Nanoscale Research Letters, 2019, 14, 137.	5.7	29

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55	A direct Fe ²⁺ -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
56	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
57	Electronic structure evolutions driven by oxygen vacancy in SrCoO _{3-x} films. <i>Science China Materials</i> , 2019, 62, 1162-1168.	6.3	27
58	O ₂ phole-assisted electronic processes in the Pr _{1-x} Sr _x MnO ₃ (x=0.0, 0.3) system. <i>Physical Review B</i> , 2004, 70, .	3.2	26
59	Local electronic structure analysis of Zn-doped BiFeO ₃ powders by X-ray absorption fine structure spectroscopy. <i>Journal of Alloys and Compounds</i> , 2017, 710, 843-849.	5.5	26
60	A d-Band Electron Correlated Thermoelectric Thermistor Established in Metastable Perovskite Family of Rare-Earth Nickelates. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 34128-34134.	8.0	26
61	Air ² -Stable Monolayer Cu ₂ Se Exhibits a Purely Thermal Structural Phase Transition. <i>Advanced Materials</i> , 2020, 32, e1908314.	21.0	26
62	Charge transfer dynamics of 3,4,9,10-perylene-tetracarboxylic-dianhydride molecules on Au(111) probed by resonant photoemission spectroscopy. <i>Journal of Chemical Physics</i> , 2011, 135, 174701.	3.0	25
63	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
64	Realization of Strained Stanene by Interface Engineering. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1558-1565.	4.6	25
65	Strain ² -Mediated High Conductivity in Ultrathin Antiferromagnetic Metallic Nitrides. <i>Advanced Materials</i> , 2021, 33, 2005920.	21.0	25
66	Hole Carriers Doping Effect on the Metal ² -Insulator Transition of N-Incorporated Vanadium Dioxide Thin Films. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12837-12844.	3.1	24
67	Spontaneous Formation of a Superconductor ² -Topological Insulator ² -Normal Metal Layered Heterostructure. <i>Advanced Materials</i> , 2016, 28, 5013-5017.	21.0	24
68	The origin of enhanced photocatalytic activities of hydrogenated TiO ₂ nanoparticles. <i>Dalton Transactions</i> , 2017, 46, 10694-10699.	3.3	24
69	In Vitro Model on Glass Surfaces for Complex Interactions between Different Types of Cells. <i>Langmuir</i> , 2010, 26, 17790-17794.	3.5	22
70	Tailoring of polar and nonpolar ZnO planes on MgO (001) substrates through molecular beam epitaxy. <i>Nanoscale Research Letters</i> , 2012, 7, 184.	5.7	21
71	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
72	Strong Ferromagnetism Achieved via Breathing Lattices in Atomically Thin Cobaltites. <i>Advanced Materials</i> , 2021, 33, e2001324.	21.0	21

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73	An experimental study of the local electronic structure of B-site gallium doped bismuth ferrite powders. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 2367-2373.	2.1	19
74	Nanoseparation-inspired manipulation of the synthesis of CdS nanorods. <i>Nano Research</i> , 2011, 4, 226-232.	10.4	18
75	Correlation between electronic structure and magnetic properties of Fe-doped ZnO films. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	18
76	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
77	Evidence of Surface-Preferential Co Distribution in ZnO Nanocrystal and Its Effects on the Ferromagnetic Property. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2053-2059.	8.0	17
78	Electronic Structure of BiFe _{1-x} MnxO ₃ Thin Films Investigated by X-Ray Absorption Spectroscopy. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-7.	2.7	17
79	Large-Gap Quantum Spin Hall State and Temperature-Induced Lifshitz Transition in Bi ₄ Br ₄ . <i>ACS Nano</i> , 2022, 16, 3036-3044.	14.6	17
80	Flexible VO ₂ Films for In-Sensor Computing with Ultraviolet Light. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	17
81	Strain-Enhanced Charge Transfer and Magnetism at a Manganite/Nickelate Interface. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 30803-30810.	8.0	16
82	Overlooked Transportation Anisotropies in d-Band Correlated Rare-Earth Perovskite Nickelates. <i>Matter</i> , 2020, 2, 1296-1306.	10.0	16
83	Electronic structure and room temperature ferromagnetism of C doped TiO ₂ . <i>Solid State Communications</i> , 2016, 243, 7-11.	1.9	15
84	Anisotropic electronic structure of antimonene. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	15
85	Distribution and concentration of surface oxygen vacancy of TiO ₂ and its photocatalytic activity. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 424001.	2.8	15
86	Electronic structure evolution of single bilayer Bi(1-x) film on 3D topological insulator Bi ₂ SexTe _{3-x} surfaces. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 255501.	1.8	14
87	Dimensional Control of Octahedral Tilt in SrRuO ₃ via Infinite-Layered Oxides. <i>Nano Letters</i> , 2021, 21, 3146-3154.	9.1	14
88	Role of Atomic Interaction in Electronic Hybridization in Two-Dimensional Ag ₂ Ge Nanosheets. <i>Journal of Physical Chemistry C</i> , 2017, 121, 16754-16760.	3.1	13
89	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
90	Voltage-Controlled Oxygen Non-Stoichiometry in SrCoO _{3-δ} Thin Films. <i>Chemistry of Materials</i> , 2019, 31, 6117-6123.	6.7	13

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91	A new type of noncovalent surface π - π stacking interaction occurring on peroxide-modified titania nanosheets driven by vertical π -state polarization. <i>Chemical Science</i> , 2021, 12, 4411-4417.	7.4	13
92	Role of oxygen vacancies in colossal polarization in SmFeO_3 thin films. <i>Science Advances</i> , 2022, 8, eabm8550.	10.3	13
93	XANES study of phenylalanine and glycine adsorption on single-walled carbon nanotubes. <i>Materials Letters</i> , 2009, 63, 431-433.	2.6	12
94	Supercritical synthesis and characterization of SWNT-based one dimensional nanomaterials. <i>Nanoscale</i> , 2011, 3, 3103.	5.6	12
95	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
96	Experimental Realization of Two-Dimensional Buckled Lieb Lattice. <i>Nano Letters</i> , 2020, 20, 2537-2543.	9.1	12
97	Anisotropic Electronic Structure and Interfacial Chemical Reaction of Stanene/ Bi_2Te_3 . <i>Journal of Physical Chemistry C</i> , 2020, 124, 4917-4924.	3.1	12
98	Structural twinning-induced insulating phase in CrN (111) films. <i>Physical Review Materials</i> , 2021, 5, .	2.4	12
99	Spontaneous phase segregation of Sr_2NiO_3 and SrNi_2O_3 during SrNiO_3 heteroepitaxy. <i>Science Advances</i> , 2021, 7, .	10.3	12
100	First Endohedral Metallofullerene-Containing Polymer: Preparation and Characterization of $\text{Gd}@C_{82}$ -Polystyrene. <i>Journal of Physical Chemistry C</i> , 2010, 114, 7631-7636.	3.1	11
101	Data analysis method to achieve sub-10 μm spatial resolution using extended X-ray absorption fine-structure spectroscopy. <i>Journal of Synchrotron Radiation</i> , 2014, 21, 756-761.	2.4	11
102	Controllable Ferromagnetism in Super-tetragonal PbTiO_3 through Strain Engineering. <i>Nano Letters</i> , 2020, 20, 881-886.	9.1	11
103	Molten-salt synthesis of rare-earth nickelate electronic transition semiconductors at medium high metastability. <i>Scripta Materialia</i> , 2022, 207, 114271.	5.2	11
104	Room-Temperature Ferromagnetism at an Oxide-Nitride Interface. <i>Physical Review Letters</i> , 2022, 128, 017202.	7.8	11
105	An in situ resonant photoemission and x-ray absorption study of the BiFeO_3 thin film. <i>Ceramics International</i> , 2016, 42, 10624-10630.	4.8	10
106	Investigation of the multiplet features of SrTiO_3 in X-ray absorption spectra based on configuration interaction calculations. <i>Journal of Synchrotron Radiation</i> , 2018, 25, 777-784.	2.4	10
107	Experimental Synthesis of Strained Monolayer Silver Arsenide on Ag(111) Substrates. <i>Chinese Physics Letters</i> , 2020, 37, 068103.	3.3	10
108	Anisotropic electronic phase transition in CrN epitaxial thin films. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	10

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109	Tunable Electronic Structures in Wrinkled 2D Transition-Metal Trichalcogenide (TMT) HfTe ₃ Films. <i>Advanced Electronic Materials</i> , 2016, 2, 1600324.	5.1	9
110	Interface chemistry study of InSb/Al ₂ O ₃ stacks upon in situ post deposition annealing by synchrotron radiation photoemission spectroscopy. <i>Applied Surface Science</i> , 2017, 425, 932-940.	6.1	9
111	Strong Coupling of Magnetism and Lattice Induces Near-Zero Thermal Expansion over Broad Temperature Windows in ErFe ₁₀ V ₂ Mo _x Compounds. <i>CCS Chemistry</i> , 2021, 3, 1009-1015.	7.8	9
112	Highly Conductive Protonated Layered Oxides from H ₂ O Vapor-Annealed Brownmillerites. <i>Advanced Materials</i> , 2021, 33, e2104623.	21.0	9
113	Observation of an Incommensurate Charge Density Wave in Monolayer TiSe ₂ . <i>Physical Review Letters</i> , 2022, 128, 026401.	10.784314	9
114	Fullerene film on metal surface: Diffusion of metal atoms and interface model. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	8
115	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
116	Synthesis of NiO Nanotubes via a Dynamic Thermal Oxidation Process. <i>Materials</i> , 2019, 12, 805.	2.9	8
117	Influence of nitrogen and magnesium doping on the properties of ZnO films. <i>Chinese Physics B</i> , 2016, 25, 076105.	1.4	7
118	Observation of selective surface element substitution in FeTe _{0.5} Se _{0.5} superconductor thin film exposed to ambient air by synchrotron radiation spectroscopy. <i>Chinese Physics B</i> , 2016, 25, 097402.	1.4	7
119	Well-saturated ferroelectric polarization in PbTiO ₃ /SmFeO ₃ thin films. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1473-1479.	6.0	7
120	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
121	Electronic states and molecular orientation of ITIC film. <i>Chinese Physics B</i> , 2018, 27, 088801.	1.4	7
122	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
123	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
124	Frequency switchable correlated transports in perovskite rare-earth nickelates. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13630-13637.	10.3	7
125	In-plane crystal field constrained electronic structure of stanene. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	7
126	Angular dependent NEXAFS study of the molecular orientation of PTCDA multilayers on Au (111) surface. <i>Science Bulletin</i> , 2011, 56, 3575-3577.	1.7	6

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127	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
128	Delta-temperatural electronic transportation achieved in metastable perovskite rare-earth nickelate thin films. Journal of Materials Chemistry C, 2019, 7, 8101-8108.	5.5	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.	2.8	6
130	Hydrogen induced electronic transition within correlated perovskite nickelates with heavy rare-earth composition. Applied Physics Letters, 2022, 120, .	3.3	6
131	Temperature effect on the electronic structure of Nb:SrTiO ₃ (100) surface. Chinese Physics B, 2015, 24, 027901.	1.4	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.	1.9	5
133	Reaction of PC61BM Film with Potassium. Journal of Physical Chemistry C, 2017, 121, 19097-19103.	3.1	5
134	Coexistence of dielectric relaxation and magnetic relaxation in compressively strained BiFeO ₃ /Ba _{0.7} Sr _{0.3} TiO ₃ superlattices. Applied Physics Letters, 2019, 114, .	3.3	5
135	Epitaxial fabrication of monolayer copper arsenide on Cu(111)*. Chinese Physics B, 2020, 29, 077301.	1.4	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.	2.9	5
137	Reversible Potassium Intercalation in Blue Phosphoreneâ€“Au Network Driven by an Electric Field. Journal of Physical Chemistry Letters, 2020, 11, 5584-5590.	4.6	5
138	Correlation transports at <i>p-n</i> types in electron metastable perovskite family of rare-earth nickelates. Applied Physics Letters, 2020, 116, .	3.3	5
139	Potassium-doped PC71BM for hydrogen storage: Photoelectron spectroscopy and first-principles studies. International Journal of Hydrogen Energy, 2021, 46, 13061-13069.	7.1	5
140	Germanium Nanosheets with Dirac Characteristics as a Saturable Absorber for Ultrafast Pulse Generation (Adv. Mater. 32/2021). Advanced Materials, 2021, 33, 2170247.	21.0	5
141	Interfacial electronic states of misfit heterostructure between hexagonal ZnO and cubic NiO. Physical Review Materials, 2020, 4, .	2.4	5
142	Electronic structure of C84film studied by photoemission measurement and first-principles calculation. Journal of Physics Condensed Matter, 2009, 21, 265502.	1.8	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 ₇₀ monolayer on the surface of Ag(111). Journal of Physics Condensed Matter, 2011, 23, 395002.	1.8	4

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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.	1.4	4
146	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. Journal of Electron Spectroscopy and Related Phenomena, 2016, 207, 24-28.	1.7	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.	3.1	4
148	Single-crystal growth of the iron-based superconductor La _{0.34} Na _{0.66} Fe ₂ As ₂ . Superconductor Science and Technology, 2018, 31, 125008.	3.5	4
149	Magnetoresistance in Metallic Ferroelectrics. ACS Applied Electronic Materials, 2019, 1, 1225-1232.	4.3	4
150	Electronic-structure evolution of SrFeO _{3-x} during topotactic phase transformation. Journal of Physics Condensed Matter, 2022, 34, 064001.	1.8	4
151	Charge density wave states in phase-engineered monolayer VTe ₂ . Chinese Physics B, 2022, 31, 077101.	1.4	4
152	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
153	Electronic structure of La ₂ O ₃ /Si interface by in situ photoemission spectroscopy. Materials Letters, 2017, 191, 97-100.	2.6	3
154	Proposal for a photoelectron spectroscopy and microscopy beamline (0.5-11 keV) at the High Energy Photon Source. Journal of Synchrotron Radiation, 2019, 26, 559-564.	2.4	3
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