

# Jia-ou Wang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

170  
papers

4,095  
citations

33  
h-index

59  
g-index

175  
ext. papers

5,290  
ext. citations

8.1  
avg, IF

5.32  
L-index

#	Paper	IF	Citations
170	Large-Gap Quantum Spin Hall State and Temperature-Induced Lifshitz Transition in BiBr <sub>2</sub> . <i>ACS Nano</i> , <b>2022</b> ,	16.7	3
169	Observation of an Incommensurate Charge Density Wave in Monolayer TiSe <sub>2</sub> /CuSe/Cu(111) Heterostructure.. <i>Physical Review Letters</i> , <b>2022</b> , 128, 026401	7.4	1
168	Room-Temperature Ferromagnetism at an Oxide-Nitride Interface.. <i>Physical Review Letters</i> , <b>2022</b> , 128, 017202	7.4	3
167	Molten-salt synthesis of rare-earth nickelate electronic transition semiconductors at medium high metastability. <i>Scripta Materialia</i> , <b>2022</b> , 207, 114271	5.6	1
166	Anisotropic electronic phase transition in CrN epitaxial thin films. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 073103	3.3	2
165	Hydrogen induced electronic transition within correlated perovskite nickelates with heavy rare-earth composition. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 092103	3.4	0
164	Single-Atom Fe Catalysts for Fenton-Like Reactions: Roles of Different N Species.. <i>Advanced Materials</i> , <b>2022</b> , e2110653	24	18
163	Role of oxygen vacancies in colossal polarization in SmFeO <sub>3</sub> thin films.. <i>Science Advances</i> , <b>2022</b> , 8, eabm8550	8.5	2
162	Photo-induced non-volatile VO phase transition for neuromorphic ultraviolet sensors.. <i>Nature Communications</i> , <b>2022</b> , 13, 1729	17.4	14
161	Reversely trapping atoms from a perovskite surface for high-performance and durable fuel cell cathodes. <i>Nature Catalysis</i> , <b>2022</b> , 5, 300-310	36.5	14
160	Strong Coupling of Magnetism and Lattice Induces Near-Zero Thermal Expansion over Broad Temperature Windows in ErFe <sub>1-x</sub> V <sub>2x</sub> Mo <sub>x</sub> Compounds. <i>CCS Chemistry</i> , <b>2021</b> , 3, 1009-1015	7.2	6
159	Dimensional Control of Octahedral Tilt in SrRuO <sub>3</sub> via Infinite-Layered Oxides. <i>Nano Letters</i> , <b>2021</b> , 21, 3146-3154	6.3	4
158	Spontaneous phase segregation of SrNiO and SrNiO during SrNiO heteroepitaxy. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	4
157	Chemical-Pressure-Modulated BaTiO <sub>3</sub> Thin Films with Large Spontaneous Polarization and High Curie Temperature. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 6491-6497	16.4	14
156	Potassium-doped PC71BM for hydrogen storage: Photoelectron spectroscopy and first-principles studies. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 13061-13069	6.7	2
155	Strain-mediated insulator-metal transition in topotactically hydro-reduced SrFeO <sub>2</sub> . <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2021</b> , 64, 1	3.6	7
154	Germanium Nanosheets with Dirac Characteristics as a Saturable Absorber for Ultrafast Pulse Generation. <i>Advanced Materials</i> , <b>2021</b> , 33, e2101042	24	7

153	Strain-Mediated High Conductivity in Ultrathin Antiferromagnetic Metallic Nitrides. <i>Advanced Materials</i> , <b>2021</b> , 33, e2005920	24	8
152	Strong Ferromagnetism Achieved via Breathing Lattices in Atomically Thin Cobaltites. <i>Advanced Materials</i> , <b>2021</b> , 33, e2001324	24	9
151	A new type of noncovalent surface- $\pi$ -stacking interaction occurring on peroxide-modified titania nanosheets driven by vertical $\pi$ -state polarization. <i>Chemical Science</i> , <b>2021</b> , 12, 4411-4417	9.4	2
150	Ferromagnetic Materials: Strong Ferromagnetism Achieved via Breathing Lattices in Atomically Thin Cobaltites (Adv. Mater. 4/2021). <i>Advanced Materials</i> , <b>2021</b> , 33, 2170026	24	
149	Modulation of perovskite crystallization processes towards highly efficient and stable perovskite solar cells with MXene quantum dot-modified SnO <sub>2</sub> . <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 3447-3454	25.4	38
148	Structural twinning-induced insulating phase in CrN (111) films. <i>Physical Review Materials</i> , <b>2021</b> , 5,	3.2	6
147	Germanium Nanosheets with Dirac Characteristics as a Saturable Absorber for Ultrafast Pulse Generation (Adv. Mater. 32/2021). <i>Advanced Materials</i> , <b>2021</b> , 33, 2170247	24	0
146	Understanding the Electronic Structure Evolution of Epitaxial LaNiFeO Thin Films for Water Oxidation. <i>Nano Letters</i> , <b>2021</b> , 21, 8324-8331	11.5	6
145	High-Conductive Protonated Layered Oxides from H <sub>2</sub> O Vapor-Annealed Brownmillerites. <i>Advanced Materials</i> , <b>2021</b> , 33, e2104623	24	3
144	Epitaxial fabrication of monolayer copper arsenide on Cu(111). <i>Chinese Physics B</i> , <b>2020</b> , 29, 077301	1.2	3
143	Covalency competition dominates the water oxidation structure-activity relationship on spinel oxides. <i>Nature Catalysis</i> , <b>2020</b> , 3, 554-563	36.5	110
142	Frequency switchable correlated transports in perovskite rare-earth nickelates. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 13630-13637	13	3
141	Performance of the Recycled and Copper-Doped Materials from Spent Electrodes by XPS and Voltammetric Characteristics. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 090548	3.9	1
140	Experimental Realization of Two-Dimensional Buckled Lieb Lattice. <i>Nano Letters</i> , <b>2020</b> , 20, 2537-2543	11.5	2
139	Overlooked Transportation Anisotropies in d-Band Correlated Rare-Earth Perovskite Nickelates. <i>Matter</i> , <b>2020</b> , 2, 1296-1306	12.7	7
138	Air-Stable Monolayer Cu <sub>2</sub> Se Exhibits a Purely Thermal Structural Phase Transition. <i>Advanced Materials</i> , <b>2020</b> , 32, e1908314	24	12
137	In-plane crystal field constrained electronic structure of stanene. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 101601	9.4	3
136	Reversible Potassium Intercalation in Blue Phosphorene-Au Network Driven by an Electric Field. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 5584-5590	6.4	1

135	Experimental Synthesis of Strained Monolayer Silver Arsenide on Ag(111) Substrates. <i>Chinese Physics Letters</i> , <b>2020</b> , 37, 068103	1.8	8
134	Distribution and concentration of surface oxygen vacancy of TiO <sub>2</sub> and its photocatalytic activity. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 424001	3	3
133	Correlation transports at p-/n-types in electron metastable perovskite family of rare-earth nickelates. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 051902	3.4	0
132	Anisotropic Electronic Structure and Interfacial Chemical Reaction of Stanene/Bi <sub>2</sub> Te <sub>3</sub> . <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 4917-4924	3.8	5
131	Interfacial electronic states of misfit heterostructure between hexagonal ZnO and cubic NiO. <i>Physical Review Materials</i> , <b>2020</b> , 4,	3.2	1
130	Controllable Ferromagnetism in Super-tetragonal PbTiO through Strain Engineering. <i>Nano Letters</i> , <b>2020</b> , 20, 881-886	11.5	6
129	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> , <b>2020</b> , 27, 83-89	2.4	0
128	Strain stabilized nickel hydroxide nanoribbons for efficient water splitting. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 229-237	35.4	43
127	Red-Carbon-Quantum-Dot-Doped SnO Composite with Enhanced Electron Mobility for Efficient and Stable Perovskite Solar Cells. <i>Advanced Materials</i> , <b>2020</b> , 32, e1906374	24	141
126	Unzipping of black phosphorus to form zigzag-phosphorene nanobelts. <i>Nature Communications</i> , <b>2020</b> , 11, 3917	17.4	21
125	Construction of a sp <sup>3</sup> /sp <sup>2</sup> Carbon Interface in 3D N-Doped Nanocarbons for the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 15233-15241	3.6	30
124	Construction of a sp /sp Carbon Interface in 3D N-Doped Nanocarbons for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 15089-15097	16.4	110
123	Synchrotron X-ray Absorption Spectroscopy Study of Local Structure in Al-Doped BiFeO Powders. <i>Nanoscale Research Letters</i> , <b>2019</b> , 14, 137	5	16
122	Overcoming synthetic metastabilities and revealing metal-to-insulator transition & thermistor bi-functionalities for d-band correlation perovskite nickelates. <i>Materials Horizons</i> , <b>2019</b> , 6, 788-795	14.4	24
121	Magnetoresistance in Metallic Ferroelectrics. <i>ACS Applied Electronic Materials</i> , <b>2019</b> , 1, 1225-1232	4	2
120	SnO <sub>2</sub> /Mg combination electron selective transport layer for Si heterojunction solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2019</b> , 200, 109996	6.4	15
119	The band structure change of Hf <sub>0.5</sub> Zr <sub>0.5</sub> O <sub>2</sub> /Ge system upon post deposition annealing. <i>Applied Surface Science</i> , <b>2019</b> , 488, 778-782	6.7	5
118	Delta-temperatural electronic transportation achieved in metastable perovskite rare-earth nickelate thin films. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 8101-8108	7.1	2

117	Oxygen vacancy induced electronic structure variation in the La <sub>0.2</sub> Sr <sub>0.8</sub> MnO <sub>3</sub> thin film. <i>AIP Advances</i> , <b>2019</b> , 9, 055208	1.5	13
116	Analyze chemisorbed organic/metal interface by combining the two sub-interfaces model and the integer charge transfer model. <i>AIP Advances</i> , <b>2019</b> , 9, 045122	1.5	2
115	Interaction between the Non-Fullerene Acceptor ITIC and Potassium. <i>ACS Omega</i> , <b>2019</b> , 4, 8087-8093	3.9	0
114	One-pot synthesis of porous 1T-phase MoS <sub>2</sub> integrated with single-atom Cu doping for enhancing electrocatalytic hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 251, 87-93	21.8	91
113	Coexistence of dielectric relaxation and magnetic relaxation in compressively strained BiFeO <sub>3</sub> /Ba <sub>0.7</sub> Sr <sub>0.3</sub> TiO <sub>3</sub> superlattices. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 112902	3.4	4
112	Realization of Strained Stanene by Interface Engineering. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 1558-1565	6.4	22
111	Electronic structure evolutions driven by oxygen vacancy in SrCoO <sub>3-x</sub> films. <i>Science China Materials</i> , <b>2019</b> , 62, 1162-1168	7.1	15
110	Synthesis of NiO Nanotubes via a Dynamic Thermal Oxidation Process. <i>Materials</i> , <b>2019</b> , 12,	3.5	3
109	Revealing the role of lattice distortions in the hydrogen-induced metal-insulator transition of SmNiO. <i>Nature Communications</i> , <b>2019</b> , 10, 694	17.4	21
108	Voltage-Controlled Oxygen Non-Stoichiometry in SrCoO <sub>3-x</sub> Thin Films. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 6117-6123	9.6	8
107	Evidence of Topological Edge States in Buckled Antimonene Monolayers. <i>Nano Letters</i> , <b>2019</b> , 19, 6323-6329	3.5	40
106	A d-Band Electron Correlated Thermoelectric Thermistor Established in Metastable Perovskite Family of Rare-Earth Nickelates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 34128-34134	9.5	15
105	The photoemission study of InSb/HfO <sub>2</sub> stacks upon N <sub>2</sub> rapid thermal annealing. <i>Vacuum</i> , <b>2019</b> , 168, 1088-1095	3.1	15
104	Electrical conductivity and infrared ray photoconductivity for lattice distorted SmNiO <sub>3</sub> perovskite oxide film. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2019</b> , 68, 026701	0.6	1
103	Proposal for a photoelectron spectroscopy and microscopy beamline (0.5-11 keV) at the High Energy Photon Source. <i>Journal of Synchrotron Radiation</i> , <b>2019</b> , 26, 559-564	2.4	1
102	Resistance Switching Behavior in Rectangle-Nano-Pattern SrTiO Induced by Simple Annealing. <i>Materials</i> , <b>2019</b> , 12,	3.5	1
101	Nonrandomly Distributed Tungsten Vacancies and Interstitial Boron Trimers in Tungsten Tetraboride. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 29314-29323	3.8	4
100	Amorphous MoO nanosheets prepared by the reduction of crystalline MoO by Mo metal for LSPR and photothermal conversion. <i>Chemical Communications</i> , <b>2019</b> , 55, 12527-12530	5.8	21

99	Anisotropic electronic structure of antimonene. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 221602	3.4	6
98	Research on the defect types transformation induced by growth temperature of vertical graphene nanosheets. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 781, 1048-1053	5.7	3
97	Mo-Al co-doped VO <sub>2</sub> (B) thin films: CVD synthesis, thermal sensitive properties, synchrotron radiation photoelectron and absorption spectroscopy study. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 745, 247-255	5.7	8
96	Manipulating the Structural and Electronic Properties of Epitaxial SrCoO Thin Films by Tuning the Epitaxial Strain. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 10211-10219	9.5	16
95	Interface chemistry and surface morphology evolution study for InAs/Al <sub>2</sub> O <sub>3</sub> stacks upon in situ ultrahigh vacuum annealing. <i>Applied Surface Science</i> , <b>2018</b> , 443, 567-574	6.7	5
94	Activating Titania for Efficient Electrocatalysis by Vacancy Engineering. <i>ACS Catalysis</i> , <b>2018</b> , 8, 4288-4293	3.1	104
93	Epitaxial Growth of Flat Antimonene Monolayer: A New Honeycomb Analogue of Graphene. <i>Nano Letters</i> , <b>2018</b> , 18, 2133-2139	11.5	159
92	Enhanced switchable photovoltaic response and ferromagnetic of Co-doped BiFeO <sub>3</sub> based ferroelectric thin films. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 742, 351-355	5.7	17
91	The formation of (NiFe)S pyrite mesocrystals as efficient pre-catalysts for water oxidation. <i>Chemical Science</i> , <b>2018</b> , 9, 2762-2767	9.4	43
90	Fabrication of a Single-Atom Platinum Catalyst for the Hydrogen Evolution Reaction: A New Protocol by Utilization of HxMoO <sub>3</sub> with Plasmon Resonance. <i>ChemCatChem</i> , <b>2018</b> , 10, 946-950	5.2	33
89	Epitaxially grown monolayer VSe <sub>2</sub> : an air-stable magnetic two-dimensional material with low work function at edges. <i>Science Bulletin</i> , <b>2018</b> , 63, 419-425	10.6	61
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> , <b>2018</b> , 6, 7509-7516	13	72
87	Tuning Bifunctional Oxygen Electrocatalysts by Changing the A-Site Rare-Earth Element in Perovskite Nickelates. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1803712	15.6	78
86	Dirac Signature in Germanene on Semiconducting Substrate. <i>Advanced Science</i> , <b>2018</b> , 5, 1800207	13.6	39
85	Band Gap Modulated by Electronic Superlattice in Blue Phosphorene. <i>ACS Nano</i> , <b>2018</b> , 12, 5059-5065	16.7	61
84	High quality PdTe <sub>2</sub> thin films grown by molecular beam epitaxy. <i>Chinese Physics B</i> , <b>2018</b> , 27, 086804	1.2	23
83	Strain-Enhanced Charge Transfer and Magnetism at a Manganite/Nickelate Interface. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 30803-30810	9.5	13
82	Hybrid 0D/2D black phosphorus quantum dots/graphitic carbon nitride nanosheets for efficient hydrogen evolution. <i>Nano Energy</i> , <b>2018</b> , 50, 552-561	17.1	102

81	Giant polarization in super-tetragonal thin films through interphase strain. <i>Science</i> , <b>2018</b> , 361, 494-497	33.3	121
80	Probing Ligand-Induced Cooperative Orbital Redistribution That Dominates Nanoscale Molecule-Surface Interactions with One-Unit-Thin TiO Nanosheets. <i>Nano Letters</i> , <b>2018</b> , 18, 7809-7815	11.5	18
79	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> . <i>Superconductor Science and Technology</i> , <b>2018</b> , 31, 125008	3.1	2
78	Electronic states and molecular orientation of ITIC film. <i>Chinese Physics B</i> , <b>2018</b> , 27, 088801	1.2	5
77	Investigation of the multiplet features of SrTiO in X-ray absorption spectra based on configuration interaction calculations. <i>Journal of Synchrotron Radiation</i> , <b>2018</b> , 25, 777-784	2.4	7
76	Cooperative Electron-Phonon Coupling and Buckled Structure in Germanene on Au(111). <i>ACS Nano</i> , <b>2017</b> , 11, 3553-3559	16.7	48
75	In situ study on the thermal stability and interfaces properties of Er <sub>2</sub> O <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> /Si multi stacked films by X-ray photoelectron spectroscopy. <i>Superlattices and Microstructures</i> , <b>2017</b> , 104, 415-421	2.8	2
74	Self-powered sensitive and stable UV-visible photodetector based on GdNiO <sub>3</sub> /Nb-doped SrTiO <sub>3</sub> heterojunctions. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 043504	3.4	27
73	Electronic structure of La <sub>2</sub> O <sub>3</sub> /Si interface by in situ photoemission spectroscopy. <i>Materials Letters</i> , <b>2017</b> , 191, 97-100	3.3	3
72	The origin of enhanced photocatalytic activities of hydrogenated TiO nanoparticles. <i>Dalton Transactions</i> , <b>2017</b> , 46, 10694-10699	4.3	19
71	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> , <b>2017</b> , 381, 2367-2373	2.3	11
70	Intrinsically patterned two-dimensional materials for selective adsorption of molecules and nanoclusters. <i>Nature Materials</i> , <b>2017</b> , 16, 717-721	27	105
69	Local electronic structure analysis of Zn-doped BiFeO <sub>3</sub> powders by X-ray absorption fine structure spectroscopy. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 710, 843-849	5.7	22
68	Role of Atomic Interaction in Electronic Hybridization in Two-Dimensional Ag <sub>2</sub> Ge Nanosheets. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 16754-16760	3.8	11
67	Epitaxial Growth and Air-Stability of Monolayer Antimonene on PdTe. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605407	54.07	249
66	Correspondence between the electronic structure and phase separation in a K-doped FeSe system. <i>Journal of Physics Condensed Matter</i> , <b>2017</b> , 29, 395503	1.8	3
65	Electronic structures of 1-ML C84/Ag(111): Energy level alignment and work function variation. <i>Surface Science</i> , <b>2017</b> , 666, 23-27	1.8	0
64	Epitaxial fabrication of two-dimensional NiSe <sub>2</sub> on Ni(111) substrate. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 113107	3.4	21



63	Interface chemistry study of InSb/Al <sub>2</sub> O <sub>3</sub> stacks upon in situ post deposition annealing by synchrotron radiation photoemission spectroscopy. <i>Applied Surface Science</i> , <b>2017</b> , 425, 932-940	6.7	4
62	Elemental diffusion study of Ge/Al <sub>2</sub> O <sub>3</sub> and Ge/AlN/Al <sub>2</sub> O <sub>3</sub> interfaces upon post deposition annealing. <i>Surfaces and Interfaces</i> , <b>2017</b> , 9, 51-57	4.1	1
61	Reaction of PC61BM Film with Potassium. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 19097-19103	3.8	5
60	Dipole-correlated carrier transportation and orbital reconfiguration in strain-distorted SrNbTiO/KTaO. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 29913-29917	3.6	1
59	Fullerene-derivative PC 61 BM forms three types of phase-pure monolayer on the surface of Au(111). <i>Surface Science</i> , <b>2016</b> , 654, 8-13	1.8	5
58	Tunable Electronic Structures in Wrinkled 2D Transition-Metal-Trichalcogenide (TMT) HfTe <sub>3</sub> Films. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1600324	6.4	4
57	Quasi-freestanding epitaxial silicene on Ag(111) by oxygen intercalation. <i>Science Advances</i> , <b>2016</b> , 2, e1600067	11.7	112
56	Electronic structure and room temperature ferromagnetism of C doped TiO <sub>2</sub> . <i>Solid State Communications</i> , <b>2016</b> , 243, 7-11	1.6	12
55	Electronic structure evolution of single bilayer Bi(1 1 1) film on 3D topological insulator Bi <sub>2</sub> Se <sub>3</sub> surfaces. <i>Journal of Physics Condensed Matter</i> , <b>2016</b> , 28, 255501	1.8	9
54	Measurement of core level and band offsets at the interface of ITO/Hg <sub>3</sub> In <sub>2</sub> Te <sub>6</sub> (110) heterojunction by synchrotron radiation photoelectron spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2016</b> , 207, 24-28	1.7	3
53	The Origin of Oxygen Vacancies Controlling La <sub>2/3</sub> Sr <sub>1/3</sub> MnO <sub>3</sub> Electronic and Magnetic Properties. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1500753	4.6	58
52	Spontaneous Formation of a Superconductor-Topological Insulator-Normal Metal Layered Heterostructure. <i>Advanced Materials</i> , <b>2016</b> , 28, 5013-7	24	22
51	Influence of nitrogen and magnesium doping on the properties of ZnO films. <i>Chinese Physics B</i> , <b>2016</b> , 25, 076105	1.2	5
50	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. <i>Chinese Physics B</i> , <b>2016</b> , 25, 097402	1.2	4
49	Electronic structure of antimonene grown on Sb <sub>2</sub> Te <sub>3</sub> (111) and Bi <sub>2</sub> Te <sub>3</sub> substrates. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 015302	2.5	111
48	An in situ resonant photoemission and x-ray absorption study of the BiFeO <sub>3</sub> thin film. <i>Ceramics International</i> , <b>2016</b> , 42, 10624-10630	5.1	8
47	Well-saturated ferroelectric polarization in PbTiO <sub>3</sub> /BiFeO <sub>3</sub> thin films. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 1473-1479	6.8	7
46	Observation of van Hove Singularities in Twisted Silicene Multilayers. <i>ACS Central Science</i> , <b>2016</b> , 2, 517-216.8	216.8	28



45	Temperature effect on the electronic structure of Nb:SrTiO <sub>3</sub> (100) surface. <i>Chinese Physics B</i> , <b>2015</b> , 24, 027901	1.2	3
44	Thin-Layer Fe <sub>2</sub> TiO <sub>5</sub> on Hematite for Efficient Solar Water Oxidation. <i>ACS Nano</i> , <b>2015</b> , 9, 5348-56	16.7	102
43	A direct Fe-O coordination at the FePc/MoO(x) interface investigated by XPS and NEXAFS spectroscopies. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 3463-9	3.6	19
42	Investigation of electron-phonon coupling in epitaxial silicene by in situ Raman spectroscopy. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	59
41	Hydrogen Impurity Defects in Rutile TiO <sub>2</sub> . <i>Scientific Reports</i> , <b>2015</b> , 5, 17634	4.9	37
40	Impact of thickness on microscopic and macroscopic properties of Fe-Te-Se superconductor thin films. <i>AIP Advances</i> , <b>2015</b> , 5, 047149	1.5	6
39	Metal-Insulator Transition Induced by Oxygen Vacancies from Electrochemical Reaction in Ionic Liquid-Gated Manganite Films. <i>Advanced Materials Interfaces</i> , <b>2015</b> , 2, 1500407	4.6	60
38	A dye-sensitized visible light photocatalyst-Bi <sub>24</sub> O <sub>31</sub> Cl <sub>10</sub> . <i>Scientific Reports</i> , <b>2014</b> , 4, 7384	4.9	73
37	Hole Carriers Doping Effect on the Metal-Insulator Transition of N-Incorporated Vanadium Dioxide Thin Films. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 12837-12844	3.8	20
36	Fullerene film on metal surface: Diffusion of metal atoms and interface model. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 191606	3.4	6
35	Bismuth Oxybromide with Reasonable Photocatalytic Reduction Activity under Visible Light. <i>ACS Catalysis</i> , <b>2014</b> , 4, 954-961	13.1	258
34	Data analysis method to achieve sub-10 pm spatial resolution using extended X-ray absorption fine-structure spectroscopy. <i>Journal of Synchrotron Radiation</i> , <b>2014</b> , 21, 756-61	2.4	11
33	Structural analysis and magnetic properties of Gd doped BiFeO <sub>3</sub> ceramics. <i>Ceramics International</i> , <b>2014</b> , 40, 14083-14089	5.1	35
32	Effects of oxygen adsorption on the surface state of epitaxial silicene on Ag(111). <i>Scientific Reports</i> , <b>2014</b> , 4, 7543	4.9	61
31	Photoelectric characteristics of silicon PN junction with nanopillar texture: Analysis of X-ray photoelectron spectroscopy. <i>Chinese Physics B</i> , <b>2014</b> , 23, 096101	1.2	
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29	Detection of Fe 3d electronic states in the valence band and magnetic properties of Fe-doped ZnO film. <i>Chinese Physics B</i> , <b>2013</b> , 22, 026101	1.2	4
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25	In situ electronic structural study of VO <sub>2</sub> thin film across the metal-insulator transition. <i>Chinese Physics B</i> , <b>2013</b> , 22, 127103	1.2	
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23	Electronic Structure of BiFe <sub>1-x</sub> MnxO <sub>3</sub> Thin Films Investigated by X-Ray Absorption Spectroscopy. <i>Journal of Nanomaterials</i> , <b>2012</b> , 2012, 1-7	3.2	11
22	Correlation between electronic structure and magnetic properties of Fe-doped ZnO films. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 123715	2.5	15
21	Structural change of metallofullerene: an easier thermal decomposition. <i>Nanoscale</i> , <b>2011</b> , 3, 4130-4	7.7	2
20	Enhancement of magnetism of Zn <sub>0.95</sub> Co <sub>0.05</sub> O films by p-type Cu <sup>+</sup> doping. <i>Progress in Natural Science: Materials International</i> , <b>2011</b> , 21, 31-35	3.6	3
19	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> , <b>2011</b> , 135, 174701	3.9	22
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17	Angular dependent NEXAFS study of the molecular orientation of PTCDA multilayers on Au (111) surface. <i>Science Bulletin</i> , <b>2011</b> , 56, 3575-3577		6
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12	In vitro model on glass surfaces for complex interactions between different types of cells. <i>Langmuir</i> , <b>2010</b> , 26, 17790-4	4	21
11	First Endohedral Metallofullerene-Containing Polymer: Preparation and Characterization of [email protected]-Polystyrene. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 7631-7636	3.8	10
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5	Electronic structure of C(84) film studied by photoemission measurement and first-principles calculation. <i>Journal of Physics Condensed Matter</i> , <b>2009</b> , 21, 265502	1.8	4
4	XANES study of phenylalanine and glycine adsorption on single-walled carbon nanotubes. <i>Materials Letters</i> , <b>2009</b> , 63, 431-433	3.3	10
3	O 2p hole-assisted electronic processes in the Pr <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> (x=0.0, 0.3) system. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	25
2	O 1s2p2p Auger decay in the Pr <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> (x=0.0,0.3) system with excitation energies from O K threshold through above Mn L edge. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , <b>2004</b> , 137-140, 445-449	1.7	1
1	Flexible VO <sub>2</sub> Films for In-Sensor Computing with Ultraviolet Light. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 190746	4.6	2