

Jia-ou Wang

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ext. papers

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ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
170	Bismuth Oxybromide with Reasonable Photocatalytic Reduction Activity under Visible Light. <i>ACS Catalysis</i> , 2014 , 4, 954-961	13.1	258
169	Epitaxial Growth and Air-Stability of Monolayer Antimonene on PdTe. <i>Advanced Materials</i> , 2017 , 29, 16054-16057	24.7	249
168	Epitaxial Growth of Flat Antimonene Monolayer: A New Honeycomb Analogue of Graphene. <i>Nano Letters</i> , 2018 , 18, 2133-2139	11.5	159
167	Red-Carbon-Quantum-Dot-Doped SnO Composite with Enhanced Electron Mobility for Efficient and Stable Perovskite Solar Cells. <i>Advanced Materials</i> , 2020 , 32, e1906374	24	141
166	Giant polarization in super-tetragonal thin films through interphase strain. <i>Science</i> , 2018 , 361, 494-497	33.3	121
165	Quasi-freestanding epitaxial silicene on Ag(111) by oxygen intercalation. <i>Science Advances</i> , 2016 , 2, e1600067	10.9	112
164	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, 015302	2.5	111
163	Construction of a sp ² /sp ³ Carbon Interface in 3D N-Doped Nanocarbons for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15089-15097	16.4	110
162	Covalency competition dominates the water oxidation structure-activity relationship on spinel oxides. <i>Nature Catalysis</i> , 2020 , 3, 554-563	36.5	110
161	Intrinsically patterned two-dimensional materials for selective adsorption of molecules and nanoclusters. <i>Nature Materials</i> , 2017 , 16, 717-721	27	105
160	Activating Titania for Efficient Electrocatalysis by Vacancy Engineering. <i>ACS Catalysis</i> , 2018 , 8, 4288-4293	13.1	104
159	Thin-Layer Fe ₂ TiO ₅ on Hematite for Efficient Solar Water Oxidation. <i>ACS Nano</i> , 2015 , 9, 5348-56	16.7	102
158	Hybrid 0D/2D black phosphorus quantum dots/graphitic carbon nitride nanosheets for efficient hydrogen evolution. <i>Nano Energy</i> , 2018 , 50, 552-561	17.1	102
157	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	3.8	97
156	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	21.8	91
155	Tuning Bifunctional Oxygen Electrocatalysts by Changing the A-Site Rare-Earth Element in Perovskite Nickelates. <i>Advanced Functional Materials</i> , 2018 , 28, 1803712	15.6	78
154	A dye-sensitized visible light photocatalyst-Bi ₂₄ O ₃₁ Cl ₁₀ . <i>Scientific Reports</i> , 2014 , 4, 7384	4.9	73

153	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	13	72
152	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	10.6	61
151	Band Gap Modulated by Electronic Superlattice in Blue Phosphorene. <i>ACS Nano</i> , 2018 , 12, 5059-5065	16.7	61
150	Effects of oxygen adsorption on the surface state of epitaxial silicene on Ag(111). <i>Scientific Reports</i> , 2014 , 4, 7543	4.9	61
149	Metal-Insulator Transition Induced by Oxygen Vacancies from Electrochemical Reaction in Ionic Liquid-Gated Manganite Films. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500407	4.6	60
148	Investigation of electron-phonon coupling in epitaxial silicene by in situ Raman spectroscopy. <i>Physical Review B</i> , 2015 , 91,	3.3	59
147	The Origin of Oxygen Vacancies Controlling La ₂ /3Sr ₁ /3MnO ₃ Electronic and Magnetic Properties. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500753	4.6	58
146	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	2.2	57
145	Cooperative Electron-Phonon Coupling and Buckled Structure in Germanene on Au(111). <i>ACS Nano</i> , 2017 , 11, 3553-3559	16.7	48
144	The formation of (NiFe) ₂ S pyrite mesocrystals as efficient pre-catalysts for water oxidation. <i>Chemical Science</i> , 2018 , 9, 2762-2767	9.4	43
143	Strain stabilized nickel hydroxide nanoribbons for efficient water splitting. <i>Energy and Environmental Science</i> , 2020 , 13, 229-237	35.4	43
142	Evidence of Topological Edge States in Buckled Antimonene Monolayers. <i>Nano Letters</i> , 2019 , 19, 6323-6329	35.4	40
141	Dirac Signature in Germanene on Semiconducting Substrate. <i>Advanced Science</i> , 2018 , 5, 1800207	13.6	39
140	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	25.4	38
139	Hydrogen Impurity Defects in Rutile TiO ₂ . <i>Scientific Reports</i> , 2015 , 5, 17634	4.9	37
138	Structural analysis and magnetic properties of Gd doped BiFeO ₃ ceramics. <i>Ceramics International</i> , 2014 , 40, 14083-14089	5.1	35
137	Fabrication of a Single-Atom Platinum Catalyst for the Hydrogen Evolution Reaction: A New Protocol by Utilization of HxMoO ₃ with Plasmon Resonance. <i>ChemCatChem</i> , 2018 , 10, 946-950	5.2	33
136	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	3.6	30

135	Band gap engineering of TiO ₂ through hydrogenation. <i>Applied Physics Letters</i> , 2014 , 105, 202114	3-4	30
134	Observation of van Hove Singularities in Twisted Silicene Multilayers. <i>ACS Central Science</i> , 2016 , 2, 517-216.8		28
133	Self-powered sensitive and stable UV-visible photodetector based on GdNiO ₃ /Nb-doped SrTiO ₃ heterojunctions. <i>Applied Physics Letters</i> , 2017 , 110, 043504	3-4	27
132	Effects of oxygen vacancy on the electronic structure and multiferroics in sol-gel derived Pb(0.8)Co(0.2)TiO ₃ thin films. <i>Dalton Transactions</i> , 2013 , 42, 10358-64	4-3	27
131	O 2p hole-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,	3-3	25
130	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	14-4	24
129	High quality PdTe ₂ thin films grown by molecular beam epitaxy. <i>Chinese Physics B</i> , 2018 , 27, 086804	1-2	23
128	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	5-7	22
127	Realization of Strained Stanene by Interface Engineering. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 1558-1565	6-4	22
126	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	3-9	22
125	Spontaneous Formation of a Superconductor-Topological Insulator-Normal Metal Layered Heterostructure. <i>Advanced Materials</i> , 2016 , 28, 5013-7	24	22
124	Revealing the role of lattice distortions in the hydrogen-induced metal-insulator transition of SmNiO. <i>Nature Communications</i> , 2019 , 10, 694	17-4	21
123	Epitaxial fabrication of two-dimensional NiSe ₂ on Ni(111) substrate. <i>Applied Physics Letters</i> , 2017 , 111, 113107	3-4	21
122	In vitro model on glass surfaces for complex interactions between different types of cells. <i>Langmuir</i> , 2010 , 26, 17790-4	4	21
121	Unzipping of black phosphorus to form zigzag-phosphorene nanobelts. <i>Nature Communications</i> , 2020 , 11, 3917	17-4	21
120	Amorphous MoO nanosheets prepared by the reduction of crystalline MoO by Mo metal for LSPR and photothermal conversion. <i>Chemical Communications</i> , 2019 , 55, 12527-12530	5-8	21
119	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	3-8	20
118	The origin of enhanced photocatalytic activities of hydrogenated TiO nanoparticles. <i>Dalton Transactions</i> , 2017 , 46, 10694-10699	4-3	19

117	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, 3463-9	3.6	19
116	Tailoring of polar and nonpolar ZnO planes on MgO (001) substrates through molecular beam epitaxy. <i>Nanoscale Research Letters</i> , 2012 , 7, 184	5	19
115	Probing Ligand-Induced Cooperative Orbital Redistribution That Dominates Nanoscale Molecule-Surface Interactions with One-Unit-Thin TiO Nanosheets. <i>Nano Letters</i> , 2018 , 18, 7809-7815	11.5	18
114	Single-Atom Fe Catalysts for Fenton-Like Reactions: Roles of Different N Species.. <i>Advanced Materials</i> , 2022 , e2110653	24	18
113	Enhanced switchable photovoltaic response and ferromagnetic of Co-doped BiFeO3 based ferroelectric thin films. <i>Journal of Alloys and Compounds</i> , 2018 , 742, 351-355	5.7	17
112	Synchrotron X-ray Absorption Spectroscopy Study of Local Structure in Al-Doped BiFeO Powders. <i>Nanoscale Research Letters</i> , 2019 , 14, 137	5	16
111	Manipulating the Structural and Electronic Properties of Epitaxial SrCoO Thin Films by Tuning the Epitaxial Strain. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 10211-10219	9.5	16
110	SnO2/Mg combination electron selective transport layer for Si heterojunction solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2019 , 200, 109996	6.4	15
109	Electronic structure evolutions driven by oxygen vacancy in SrCoO3-x films. <i>Science China Materials</i> , 2019 , 62, 1162-1168	7.1	15
108	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	9.5	15
107	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	9.5	15
106	Correlation between electronic structure and magnetic properties of Fe-doped ZnO films. <i>Journal of Applied Physics</i> , 2012 , 111, 123715	2.5	15
105	Nanoseparation-inspired manipulation of the synthesis of CdS nanorods. <i>Nano Research</i> , 2011 , 4, 226-232	20	14
104	Chemical-Pressure-Modulated BaTiO Thin Films with Large Spontaneous Polarization and High Curie Temperature. <i>Journal of the American Chemical Society</i> , 2021 , 143, 6491-6497	16.4	14
103	Photo-induced non-volatile VO phase transition for neuromorphic ultraviolet sensors.. <i>Nature Communications</i> , 2022 , 13, 1729	17.4	14
102	Reversely trapping atoms from a perovskite surface for high-performance and durable fuel cell cathodes. <i>Nature Catalysis</i> , 2022 , 5, 300-310	36.5	14
101	Oxygen vacancy induced electronic structure variation in the La0.2Sr0.8MnO3 thin film. <i>AIP Advances</i> , 2019 , 9, 055208	1.5	13
100	Strain-Enhanced Charge Transfer and Magnetism at a Manganite/Nickelate Interface. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30803-30810	9.5	13

99	Air-Stable Monolayer Cu Se Exhibits a Purely Thermal Structural Phase Transition. <i>Advanced Materials</i> , 2020 , 32, e1908314	24	12
98	Electronic structure and room temperature ferromagnetism of C doped TiO ₂ . <i>Solid State Communications</i> , 2016 , 243, 7-11	1.6	12
97	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	2.3	11
96	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	3.8	11
95	Data analysis method to achieve sub-10 pm spatial resolution using extended X-ray absorption fine-structure spectroscopy. <i>Journal of Synchrotron Radiation</i> , 2014 , 21, 756-61	2.4	11
94	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	3.2	11
93	First Endohedral Metallofullerene-Containing Polymer: Preparation and Characterization of [email[protected]]82-Polystyrene. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 7631-7636	3.8	10
92	Supercritical synthesis and characterization of SWNT-based one dimensional nanomaterials. <i>Nanoscale</i> , 2011 , 3, 3103-8	7.7	10
91	XANES study of phenylalanine and glycine adsorption on single-walled carbon nanotubes. <i>Materials Letters</i> , 2009 , 63, 431-433	3.3	10
90	Electronic structure evolution of single bilayer Bi(1 1 1) film on 3D topological insulator Bi ₂ Se ₃ surfaces. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 255501	1.8	9
89	Strong Ferromagnetism Achieved via Breathing Lattices in Atomically Thin Cobaltites. <i>Advanced Materials</i> , 2021 , 33, e2001324	24	9
88	Experimental Synthesis of Strained Monolayer Silver Arsenide on Ag(111) Substrates. <i>Chinese Physics Letters</i> , 2020 , 37, 068103	1.8	8
87	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	5.7	8
86	Voltage-Controlled Oxygen Non-Stoichiometry in SrCoO _{3-x} Thin Films. <i>Chemistry of Materials</i> , 2019 , 31, 6117-6123	9.6	8
85	An in situ resonant photoemission and x-ray absorption study of the BiFeO ₃ thin film. <i>Ceramics International</i> , 2016 , 42, 10624-10630	5.1	8
84	Strain-Mediated High Conductivity in Ultrathin Antiferromagnetic Metallic Nitrides. <i>Advanced Materials</i> , 2021 , 33, e2005920	24	8
83	Overlooked Transportation Anisotropies in d-Band Correlated Rare-Earth Perovskite Nickelates. <i>Matter</i> , 2020 , 2, 1296-1306	12.7	7
82	Strain-mediated insulator-metal transition in topotactically hydro-reduced SrFeO ₂ . <i>Science China: Physics, Mechanics and Astronomy</i> , 2021 , 64, 1	3.6	7

81	Germanium Nanosheets with Dirac Characteristics as a Saturable Absorber for Ultrafast Pulse Generation. <i>Advanced Materials</i> , 2021 , 33, e2101042	24	7
80	Well-saturated ferroelectric polarization in PbTiO ₃ /BiFeO ₃ thin films. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 1473-1479	6.8	7
79	Investigation of the multiplet features of SrTiO in X-ray absorption spectra based on configuration interaction calculations. <i>Journal of Synchrotron Radiation</i> , 2018 , 25, 777-784	2.4	7
78	Fullerene film on metal surface: Diffusion of metal atoms and interface model. <i>Applied Physics Letters</i> , 2014 , 104, 191606	3.4	6
77	Impact of thickness on microscopic and macroscopic properties of Fe-Te-Se superconductor thin films. <i>AIP Advances</i> , 2015 , 5, 047149	1.5	6
76	Angular dependent NEXAFS study of the molecular orientation of PTCDA multilayers on Au (111) surface. <i>Science Bulletin</i> , 2011 , 56, 3575-3577		6
75	Controllable Ferromagnetism in Super-tetragonal PbTiO through Strain Engineering. <i>Nano Letters</i> , 2020 , 20, 881-886	11.5	6
74	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	7.2	6
73	Anisotropic electronic structure of antimonene. <i>Applied Physics Letters</i> , 2019 , 115, 221602	3.4	6
72	Structural twinning-induced insulating phase in CrN (111) films. <i>Physical Review Materials</i> , 2021 , 5,	3.2	6
71	Understanding the Electronic Structure Evolution of Epitaxial LaNiFeO Thin Films for Water Oxidation. <i>Nano Letters</i> , 2021 , 21, 8324-8331	11.5	6
70	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	6.7	5
69	Anisotropic Electronic Structure and Interfacial Chemical Reaction of Stanene/Bi ₂ Te ₃ . <i>Journal of Physical Chemistry C</i> , 2020 , 124, 4917-4924	3.8	5
68	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	6.7	5
67	Fullerene-derivative PC 61 BM forms three types of phase-pure monolayer on the surface of Au(111). <i>Surface Science</i> , 2016 , 654, 8-13	1.8	5
66	Reaction of PC61BM Film with Potassium. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 19097-19103	3.8	5
65	Influence of nitrogen and magnesium doping on the properties of ZnO films. <i>Chinese Physics B</i> , 2016 , 25, 076105	1.2	5
64	Electronic states and molecular orientation of ITIC film. <i>Chinese Physics B</i> , 2018 , 27, 088801	1.2	5

63	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, 112902	3.4	4
62	Tunable Electronic Structures in Wrinkled 2D Transition-Metal-Trichalcogenide (TMT) HfTe ₃ Films. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600324	6.4	4
61	Detection of Fe 3d electronic states in the valence band and magnetic properties of Fe-doped ZnO film. <i>Chinese Physics B</i> , 2013 , 22, 026101	1.2	4
60	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	6.7	4
59	Surface modification induced shielding effects on electron orbital coupling in metallofullerene. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 8625-31	1.3	4
58	Electronic structure of C(84) film studied by photoemission measurement and first-principles calculation. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 265502	1.8	4
57	Electronic states of a C70 monolayer on the surface of Ag(111). <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 395002	1.8	4
56	Dimensional Control of Octahedral Tilt in SrRuO ₃ via Infinite-Layered Oxides. <i>Nano Letters</i> , 2021 , 21, 3146-3154	3.5	4
55	Spontaneous phase segregation of SrNiO and SrNiO during SrNiO heteroepitaxy. <i>Science Advances</i> , 2021 , 7,	14.3	4
54	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	1.2	4
53	Nonrandomly Distributed Tungsten Vacancies and Interstitial Boron Trimers in Tungsten Tetraboride. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 29314-29323	3.8	4
52	Electronic structure of La ₂ O ₃ /Si interface by in situ photoemission spectroscopy. <i>Materials Letters</i> , 2017 , 191, 97-100	3.3	3
51	Synthesis of NiO Nanotubes via a Dynamic Thermal Oxidation Process. <i>Materials</i> , 2019 , 12,	3.5	3
50	Temperature effect on the electronic structure of Nb:SrTiO ₃ (100) surface. <i>Chinese Physics B</i> , 2015 , 24, 027901	1.2	3
49	Epitaxial fabrication of monolayer copper arsenide on Cu(111). <i>Chinese Physics B</i> , 2020 , 29, 077301	1.2	3
48	Frequency switchable correlated transports in perovskite rare-earth nickelates. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 13630-13637	13	3
47	In-plane crystal field constrained electronic structure of stanene. <i>Applied Physics Letters</i> , 2020 , 116, 101601	9.4	3
46	Distribution and concentration of surface oxygen vacancy of TiO ₂ and its photocatalytic activity. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 424001	3	3

45	Correspondence between the electronic structure and phase separation in a K-doped FeSe system. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 395503	1.8	3
44	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	3
43	Enhancement of magnetism of Zn _{0.95} Co _{0.05} O films by p-type Cu ⁺ doping. <i>Progress in Natural Science: Materials International</i> , 2011 , 21, 31-35	3.6	3
42	Large-Gap Quantum Spin Hall State and Temperature-Induced Lifshitz Transition in BiBr ₃ . <i>ACS Nano</i> , 2022 ,	16.7	3
41	Room-Temperature Ferromagnetism at an Oxide-Nitride Interface.. <i>Physical Review Letters</i> , 2022 , 128, 017202	7.4	3
40	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	5.7	3
39	High-Conductive Protonated Layered Oxides from H ₂ O Vapor-Annealed Brownmillerites. <i>Advanced Materials</i> , 2021 , 33, e2104623	24	3
38	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. <i>Superlattices and Microstructures</i> , 2017 , 104, 415-421	2.8	2
37	Magnetoresistance in Metallic Ferroelectrics. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 1225-1232	4	2
36	Delta-temperatural electronic transportation achieved in metastable perovskite rare-earth nickelate thin films. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 8101-8108	7.1	2
35	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	1.5	2
34	Experimental Realization of Two-Dimensional Buckled Lieb Lattice. <i>Nano Letters</i> , 2020 , 20, 2537-2543	11.5	2
33	Multiferroics and electronic structure of (1-x)PbTiO ₃ -xBi(Ni _{1/2} Ti _{1/2})O ₃ thin films. <i>Thin Solid Films</i> , 2013 , 542, 155-159	2.2	2
32	Structural change of metallofullerene: an easier thermal decomposition. <i>Nanoscale</i> , 2011 , 3, 4130-4	7.7	2
31	Direct preparation and microstructure investigation of p-type transparent conducting Ga-doped SnO ₂ thin films. <i>Powder Diffraction</i> , 2010 , 25, S36-S39	1.8	2
30	Potassium-doped PC71BM for hydrogen storage: Photoelectron spectroscopy and first-principles studies. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 13061-13069	6.7	2
29	A new type of noncovalent surface- π -stacking interaction occurring on peroxide-modified titania nanosheets driven by vertical π -state polarization. <i>Chemical Science</i> , 2021 , 12, 4411-4417	9.4	2
28	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	3.1	2

27	Anisotropic electronic phase transition in CrN epitaxial thin films. <i>Applied Physics Letters</i> , 2022 , 120, 073103	1.0	2
26	Role of oxygen vacancies in colossal polarization in SmFeO thin films.. <i>Science Advances</i> , 2022 , 8, eabm8550	1.5	2
25	Flexible VO ₂ Films for In-Sensor Computing with Ultraviolet Light. <i>Advanced Functional Materials</i> , 2020 , 30, 2030746	1.6	2
24	Performance of the Recycled and Copper-Doped Materials from Spent Electrodes by XPS and Voltammetric Characteristics. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 090548	3.9	1
23	Reversible Potassium Intercalation in Blue Phosphorene-Au Network Driven by an Electric Field. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 5584-5590	6.4	1
22	Elemental diffusion study of Ge/Al ₂ O ₃ and Ge/AlN/Al ₂ O ₃ interfaces upon post deposition annealing. <i>Surfaces and Interfaces</i> , 2017 , 9, 51-57	4.1	1
21	Dipole-correlated carrier transportation and orbital reconfiguration in strain-distorted SrNbTiO/KTaO. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 29913-29917	3.6	1
20	Self-construction of core-shell structure by metallofullerene-containing polymer. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 2244-50	1.3	1
19	O 1s2p2p Auger decay in the Pr _{1-x} Sr _x MnO ₃ (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> , 2004 , 137-140, 445-449	1.7	1
18	Observation of an Incommensurate Charge Density Wave in Monolayer TiSe ₂ /CuSe/Cu(111) Heterostructure.. <i>Physical Review Letters</i> , 2022 , 128, 026401	7.4	1
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