

Rong Yu

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148
papers

6,594
citations

38
h-index

79
g-index

151
ext. papers

7,677
ext. citations

6.7
avg, IF

5.7
L-index

#	Paper	IF	Citations
148	Ultrafine jagged platinum nanowires enable ultrahigh mass activity for the oxygen reduction reaction. <i>Science</i> , 2016 , 354, 1414-1419	33.3	986
147	Ultrathin rhodium nanosheets. <i>Nature Communications</i> , 2014 , 5, 3093	17.4	350
146	Strain control and spontaneous phase ordering in vertical nanocomposite heteroepitaxial thin films. <i>Nature Materials</i> , 2008 , 7, 314-20	27	297
145	Single-atom tailoring of platinum nanocatalysts for high-performance multifunctional electrocatalysis. <i>Nature Catalysis</i> , 2019 , 2, 495-503	36.5	258
144	Isolated Single-Atom Pd Sites in Intermetallic Nanostructures: High Catalytic Selectivity for Semihydrogenation of Alkynes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 7294-7301	16.4	238
143	Tuning defects in oxides at room temperature by lithium reduction. <i>Nature Communications</i> , 2018 , 9, 1302	17.4	225
142	Single-atomic cobalt sites embedded in hierarchically ordered porous nitrogen-doped carbon as a superior bifunctional electrocatalyst. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 12692-12697	11.5	222
141	Sophisticated construction of Au islands on Pt-Ni: an ideal trimetallic nanoframe catalyst. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11594-7	16.4	206
140	Carbon nitride supported Fe cluster catalysts with superior performance for alkene epoxidation. <i>Nature Communications</i> , 2018 , 9, 2353	17.4	162
139	Platinum-nickel frame within metal-organic framework fabricated in situ for hydrogen enrichment and molecular sieving. <i>Nature Communications</i> , 2015 , 6, 8248	17.4	152
138	Rare-Earth Single Erbium Atoms for Enhanced Photocatalytic CO Reduction. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10651-10657	16.4	148
137	A seed-based diffusion route to monodisperse intermetallic CuAu nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 2917-21	16.4	147
136	Calculations of single-crystal elastic constants made simple. <i>Computer Physics Communications</i> , 2010 , 181, 671-675	4.2	145
135	Highly branched PtNi nanocrystals enclosed by stepped surface for methanol oxidation. <i>Chemical Science</i> , 2012 , 3, 1925	9.4	136
134	Three-dimensional open nano-netcage electrocatalysts for efficient pH-universal overall water splitting. <i>Nature Communications</i> , 2019 , 10, 4875	17.4	119
133	Structure and interface chemistry of perovskite-spinel nanocomposite thin films. <i>Applied Physics Letters</i> , 2006 , 89, 172902	3.4	118
132	Elastic stability and electronic structure of pyrite type PtN ₂ : A hard semiconductor. <i>Applied Physics Letters</i> , 2006 , 88, 051913	3.4	111

131	Crystal structures of and displacive transitions in OsN ₂ , IrN ₂ , RuN ₂ , and RhN ₂ . <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 1136-40	16.4	108
130	Lattice Strain Distributions in Individual Dealloyed Pt-Fe Catalyst Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 934-8	6.4	104
129	Defect-dominated shape recovery of nanocrystals: a new strategy for trimetallic catalysts. <i>Journal of the American Chemical Society</i> , 2013 , 135, 12220-3	16.4	88
128	Platinum nitride with fluorite structure. <i>Applied Physics Letters</i> , 2005 , 86, 121913	3.4	86
127	Impact of carbon structure and morphology on the electrochemical performance of LiFePO ₄ /C composites. <i>Journal of Solid State Electrochemistry</i> , 2008 , 12, 995-1001	2.6	78
126	Icosahedral face-centered cubic Fe nanoparticles: facile synthesis and characterization with aberration-corrected TEM. <i>Nano Letters</i> , 2009 , 9, 1572-6	11.5	75
125	Family of noble metal nitrides: First principles calculations of the elastic stability. <i>Physical Review B</i> , 2005 , 72,	3.3	74
124	Thermal wetting of platinum nanocrystals on silica surface. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 6940-3	3.4	72
123	Effects of Si and Al on twin boundary energy of TiC. <i>Acta Materialia</i> , 2003 , 51, 2477-2484	8.4	72
122	Ultrathin Au-Ag bimetallic nanowires with Coulomb blockade effects. <i>Chemical Communications</i> , 2011 , 47, 5160-2	5.8	67
121	Si-induced twinning of TiC and formation of Ti ₃ SiC ₂ platelets. <i>Acta Materialia</i> , 2002 , 50, 4127-4135	8.4	66
120	One-pot protocol for bimetallic Pt/Cu hexapod concave nanocrystals with enhanced electrocatalytic activity. <i>Scientific Reports</i> , 2013 , 3, 1404	4.9	64
119	Proton-Transfer Mechanism in LaPO ₄ . <i>Journal of Physical Chemistry C</i> , 2007 , 111, 11003-11007	3.8	64
118	Static and dynamic polar nanoregions in relaxor ferroelectric Ba(Ti _{1-x} Snx)O ₃ system at high temperature. <i>Physical Review B</i> , 2012 , 85,	3.3	62
117	Quantitative experimental determination of site-specific magnetic structures by transmitted electrons. <i>Nature Communications</i> , 2013 , 4, 1395	17.4	61
116	Direct subangstrom measurement of surfaces of oxide particles. <i>Physical Review Letters</i> , 2010 , 105, 226101	10.1	53
115	Microscopic model for the ferroelectric field effect in oxide heterostructures. <i>Physical Review B</i> , 2011 , 84,	3.3	48
114	Formation of Hexagonal-Close Packed (HCP) Rhodium as a Size Effect. <i>Journal of the American Chemical Society</i> , 2017 , 139, 575-578	16.4	42

113	Atomic scale imaging of magnetic circular dichroism by achromatic electron microscopy. <i>Nature Materials</i> , 2018 , 17, 221-225	27	42
112	Nitrogen-coordinated cobalt nanocrystals for oxidative dehydrogenation and hydrogenation of N-heterocycles. <i>Chemical Science</i> , 2019 , 10, 5345-5352	9.4	39
111	Effect of W on structural stability of TiAl intermetallics and the site preference of W. <i>Physical Review B</i> , 2002 , 65,	3.3	39
110	PdAg bimetallic electrocatalyst for highly selective reduction of CO ₂ with low COOH* formation energy and facile CO desorption. <i>Nano Research</i> , 2019 , 12, 2866-2871	10	38
109	Influence of Stress and Orientation on Magnetoelectric Coupling of Pb(Zr,Ti)O ₃ /CoFe ₂ O ₄ Bilayer Films. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 1060-1066	3.8	38
108	Orientation relationship and interfacial structure between Ti ₅ Si ₃ precipitates and TiAl intermetallics. <i>Acta Materialia</i> , 2000 , 48, 3701-3710	8.4	38
107	Reversible wurtzite-tetragonal reconstruction in ZnO(1010) surfaces. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 7744-7	16.4	35
106	A Seed-Based Diffusion Route to Monodisperse Intermetallic CuAu Nanocrystals. <i>Angewandte Chemie</i> , 2010 , 122, 2979-2983	3.6	35
105	Undulating slip in Laves phase and implications for deformation in brittle materials. <i>Physical Review Letters</i> , 2011 , 106, 165505	7.4	32
104	Polymorphism of Ti ₃ SiC ₂ . <i>Journal of Materials Research</i> , 2002 , 17, 948-950	2.5	32
103	Rare-Earth Single Erbium Atoms for Enhanced Photocatalytic CO ₂ Reduction. <i>Angewandte Chemie</i> , 2020 , 132, 10738-10744	3.6	31
102	Synthesis and characterization of mixed-morphology CePO ₄ nanoparticles. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 840-846	3.3	29
101	Topology of charge density and elastic anisotropy of Ti ₃ SiC ₂ polymorphs. <i>Journal of Materials Research</i> , 2005 , 20, 1180-1185	2.5	27
100	Ultrathin CuO nanorods: controllable synthesis and superior catalytic properties in styrene epoxidation. <i>Chemical Communications</i> , 2015 , 51, 8817-20	5.8	26
99	Structural stability and the alloying effect of TiB polymorphs in TiAl alloys. <i>Intermetallics</i> , 2017 , 90, 97-102	3.5	26
98	B ₂ precipitates and distribution of W in a Ti ₄₇ Al ₄₃ W ₁₀ Si alloy. <i>Intermetallics</i> , 2002 , 10, 661-665	3.5	26
97	Subangstrom profile imaging of relaxed ZnO(10 10) surfaces. <i>Nano Letters</i> , 2012 , 12, 704-8	11.5	24
96	Proton transport paths in lanthanum phosphate electrolytes. <i>Solid State Ionics</i> , 2007 , 178, 769-773	3.3	24

95	Practical Magnetic Pinning in YBCO. <i>IEEE Transactions on Applied Superconductivity</i> , 2009 , 19, 3148-3151	1.8	23
94	Thermally driven interfacial dynamics of metal/oxide bilayer nanoribbons. <i>Small</i> , 2005 , 1, 858-65	11	22
93	On the orientation relationship between Ti ₅ Si ₃ precipitates and B2 phase in a Ti-47Al-2W-0.5Si alloy. <i>Scripta Materialia</i> , 2001 , 44, 911-916	5.6	22
92	Stacking faults and grain boundaries of Ti ₃ SiC ₂ . <i>Philosophical Magazine Letters</i> , 2003 , 83, 325-331	1	21
91	Palladium/tin bimetallic single-crystalline hollow nanospheres. <i>Chemical Communications</i> , 2012 , 48, 1683-5	3.5	19
90	First-principles calculations of the effect of Pt on NiAl surface energy and the site preference of Pt. <i>Applied Physics Letters</i> , 2007 , 91, 011907	3.4	19
89	Low-energy transmission electron diffraction and imaging of large-area graphene. <i>Science Advances</i> , 2017 , 3, e1603231	14.3	18
88	Atomic-scale study of topological vortex-like domain pattern in multiferroic hexagonal manganites. <i>Applied Physics Letters</i> , 2013 , 103, 032901	3.4	18
87	Crystal Structures of and Displacive Transitions in OsN ₂ , IrN ₂ , RuN ₂ , and RhN ₂ . <i>Angewandte Chemie</i> , 2007 , 119, 1154-1158	3.6	18
86	Competing Interfacial Reconstruction Mechanisms in La _{0.7} Sr _{0.3} MnO ₃ /SrTiO ₃ Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 24192-7	9.5	18
85	Orientation-tuning in self-assembled heterostructures induced by a buffer layer. <i>Nanoscale</i> , 2014 , 6, 5126-31	7.7	17
84	Addition of ferromagnetic CoFe ₂ O ₄ to YBCO thin films for enhanced flux pinning. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S223-S224	1.3	17
83	Epitaxial growth of Fe ₃ O ₄ (1 1 1) on SrTiO ₃ (0 0 1) substrates. <i>Journal of Crystal Growth</i> , 2008 , 310, 5282-5286	1.5	17
82	Proton conduction and characterization of an La(PO ₃) ₃ /Ta(PO ₃) ₂ glass-ceramic. <i>Solid State Ionics</i> , 2008 , 178, 1811-1816	3.3	17
81	A new type of vanadium carbide V ₅ C ₃ and its hardening by tuning Fermi energy. <i>Scientific Reports</i> , 2016 , 6, 21794	4.9	16
80	Atomic layer reversal on CeO ₂ (100) surface. <i>Science China Materials</i> , 2017 , 60, 903-908	7.1	15
79	Reversible Wurtzite/Tetragonal Reconstruction in ZnO(10 $\bar{1}$ 0) Surfaces. <i>Angewandte Chemie</i> , 2012 , 124, 7864-7867	3.6	15
78	Reversible structural transition in epitaxial manganite film. <i>Physical Review Letters</i> , 2002 , 88, 196104	7.4	15

77	Microstructural characterization of Fe _N thin films. <i>Thin Solid Films</i> , 2002 , 411, 225-228	2.2	14
76	Visualization of Dopant Oxygen Atoms in a Bi ₂ Sr ₂ CaCu ₂ O ₈ + δ Superconductor. <i>Advanced Functional Materials</i> , 2019 , 29, 1903843	15.6	13
75	Softest elastic mode governs materials hardness. <i>Science Bulletin</i> , 2014 , 59, 1747-1754		13
74	Elastic constants and tensile properties of Al ₂ O ₃ by density functional calculations. <i>Physical Review B</i> , 2007 , 75,	3.3	13
73	Prediction on technetium triboride from first-principles calculations. <i>Solid State Communications</i> , 2017 , 252, 40-45	1.6	12
72	Oxygen adatoms and vacancies on the (110) surface of CeO ₂ . <i>Science China Technological Sciences</i> , 2018 , 61, 135-139	3.5	12
71	Direct Observation of Thickness Dependence of Ferroelectricity in Freestanding BaTiO ₃ Thin Film. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 2710-2712	3.8	12
70	Subsurface reconstruction and saturation of surface bonds. <i>Science Bulletin</i> , 2018 , 63, 1570-1575	10.6	12
69	Strain Concentration at the Boundaries in 5-Fold Twins of Diamond and Silicon. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 4253-4258	9.5	11
68	Self-assembled perovskite-spinel heterostructure on a highly distorted substrate. <i>Applied Physics Letters</i> , 2013 , 102, 111903	3.4	11
67	Atomic steps on the MgO(100) surface. <i>Physical Review B</i> , 2013 , 87,	3.3	11
66	Engineering the surface of rutile TiO ₂ nanoparticles with quantum pits towards excellent lithium storage. <i>RSC Advances</i> , 2016 , 6, 66197-66203	3.7	10
65	Atomic Mechanism of Hybridization-Dependent Surface Reconstruction with Tailored Functionality in Hexagonal Multiferroics. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 27322-27331	9.5	10
64	Ferroelectric polarization and domain walls in orthorhombic (K _{1-x} Nax)NbO ₃ lead-free ferroelectric ceramics. <i>Applied Physics Letters</i> , 2010 , 96, 221905	3.4	10
63	Effective object planes for aberration-corrected transmission electron microscopy. <i>Ultramicroscopy</i> , 2012 , 112, 15-21	3.1	9
62	Effect of oxygen stoichiometry in LuFe ₂ O ₄ and its microstructure observed by aberration-corrected transmission electron microscopy. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 435901	1.8	9
61	Large-area silica nanotubes with controllable geometry on silicon substrates. <i>Applied Surface Science</i> , 2009 , 255, 3563-3566	6.7	9
60	Crystal structure of and displacive phase transition in tungsten nitride WN. <i>Journal of Alloys and Compounds</i> , 2017 , 722, 517-524	5.7	8

59	Structure and Stability of the (001) Surface of Co ₃ O ₄ . <i>Journal of Physical Chemistry C</i> , 2020 , 124, 25790-25795	8	8
58	Surface termination and stoichiometry of LaAlO(001) surface studied by HRTEM. <i>Micron</i> , 2020 , 137, 102919	8	8
57	Unveiling the charge transfer dynamics steered by built-in electric fields in BiOBr photocatalysts.. <i>Nature Communications</i> , 2022 , 13, 2230	17.4	8
56	High temperature nitrogen annealing induced interstitial oxygen precipitation in silicon epitaxial layer on heavily arsenic-doped silicon wafer. <i>Applied Physics Letters</i> , 2006 , 88, 242112	3.4	7
55	Flexible Cation Distribution for Stabilizing a Spinel Surface. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 16431-16438	3.8	7
54	Strengthening materials by changing the number of valence electrons. <i>Computational Materials Science</i> , 2017 , 129, 252-258	3.2	6
53	Kinetical faceting of the low index W surfaces under electrical current. <i>Surface Science</i> , 2014 , 625, 10-15	1.8	6
52	Microstructural study on multilayer [FeTaN/TaN] ₅ films. <i>Materials Letters</i> , 2003 , 57, 3904-3909	3.3	6
51	Structural and spin state transition in the polar NiO(1 1 1) surface. <i>Applied Surface Science</i> , 2020 , 532, 147427	6.7	6
50	Atomic-scale structure characteristics of antiferroelectric silver niobate. <i>Applied Physics Letters</i> , 2018 , 113, 242901	3.4	6
49	Prediction of stable high-pressure structures of tantalum nitride TaN ₂ . <i>Journal of Materials Science and Technology</i> , 2019 , 35, 2297-2304	9.1	5
48	Determination of the incommensurate modulated structure of Bi(2)Sr(1.6)La(0.4)CuO(6+) by aberration-corrected transmission electron microscopy. <i>Ultramicroscopy</i> , 2015 , 159 Pt 1, 67-72	3.1	5
47	Atomic Heterointerfaces and Electrical Transportation Properties in Self-Assembled LaNiO ₃ /NiO Heteroepitaxy. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701202	4.6	5
46	Experimental measurements and theoretical calculations of the atomic structure of materials with subangstrom resolution and picometer precision. <i>Science Bulletin</i> , 2014 , 59, 1719-1724		5
45	Early precipitation of Ni ₂ (Cr,Mo) phase. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 615, 1-6	5.3	5
44	Evaluation of stacking faults and associated partial dislocations in AlSb/GaAs (001) interface by aberration-corrected high-resolution transmission electron microscopy. <i>AIP Advances</i> , 2014 , 4, 117135	1.5	5
43	Dynamic microscopic structures and dielectric response in the cubic-to-tetragonal phase transition for BaTiO ₃ studied by first-principles molecular dynamics simulation. <i>Journal of Applied Physics</i> , 2011 , 109, 054101	2.5	5
42	Metal/ceramic interface in an in situsynthesized Ti/TiCP composite coating by laser processing. <i>Journal of Materials Research</i> , 2001 , 16, 9-12	2.5	5

41	The effect of doping Ag on the microstructure of La ₂ /3Sr ₁ /3MnO ₃ films. <i>Journal of Materials Research</i> , 2002 , 17, 2712-2719	2.5	5
40	Effect of Oxygen Interstitial Ordering on Multiple Order Parameters in Rare Earth Ferrite. <i>Physical Review Letters</i> , 2019 , 123, 247601	7.4	5
39	Spontaneous orientation-tuning driven by the strain variation in self-assembled ZnO-SrRuO ₃ heteroepitaxy. <i>Applied Physics Letters</i> , 2015 , 107, 191902	3.4	4
38	On the orientation relationship between a ₂ precipitates and the B ₂ phase in a Ti-47at.%Al-2at.%W-0.5at.%Si alloy. <i>Philosophical Magazine Letters</i> , 2001 , 81, 71-76	1	4
37	Defect structures of the Cr ₂ O ₃ (110) surface: effect of electron beam irradiation. <i>Journal of Materials Chemistry C</i> ,	7.1	4
36	Deuterium ion irradiation induced precipitation in FeCr alloy: Characterization and effects on irradiation behavior. <i>Journal of Nuclear Materials</i> , 2015 , 459, 81-89	3.3	3
35	Multishell intermetallic onions by symmetrical configuration of ordered domains. <i>Physical Review Letters</i> , 2010 , 105, 225501	7.4	3
34	Superconductor/ferromagnet nanocomposites created by co-deposition of niobium and dysprosium. <i>Superconductor Science and Technology</i> , 2009 , 22, 075001	3.1	3
33	Robust Power-Aware Routing in Wireless Sensor Networks with Special Concern about Localization Error 2006 ,		3
32	Impacts of Back Surface Conditions on the Behavior of Oxygen in Heavily Arsenic Doped Czochralski Silicon Wafers. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 864, 9181		3
31	Orientation relationships and interfaces between NiAl and G-phase Ni ₁₆ Hf ₆ Si ₇ . <i>Materials Letters</i> , 2001 , 49, 25-28	3.3	3
30	Atomic structures of high Miller index surfaces of NiO. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 14164-14171	4.1	3
29	Atomic structure and polarity compensation of BaTiO ₃ (1 1 1) surface. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 095901	1.8	2
28	A novel controllable synthesis of silica nanotube arrays with ultraviolet photoluminescence. <i>Solid State Sciences</i> , 2009 , 11, 1252-1257	3.4	2
27	A Power-aware and Range-free Localization Algorithm for Sensor Networks 2006 ,		2
26	Atomic Structure and Properties of SnO ₂ (100) and (101) Surfaces and (301) Steps in the (100) Surface. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 27631-27636	3.8	2
25	Atomic structure and properties of a perovskite/spinel (111) interface. <i>Physical Review B</i> , 2020 , 102,	3.3	2
24	Surface Structures of MnO and the Partition of Oxidation States of Mn. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 5675-5681	6.4	2

23	Hardening tungsten carbide by alloying elements with high work function. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019 , 75, 994-1002	1.8	2
22	Coherent Topotactic Interface between Corundum and Rutile Structures. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 534-540	3.8	2
21	Polyhedron and Charge Ordering in Interfacial Reconstruction of a Hexagonal Ferrite/Sapphire Heterostructure. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 11489-11496	9.5	2
20	Bilayer MoS ₂ quantum dots with tunable magnetism and spin. <i>AIP Advances</i> , 2018 , 8, 115103	1.5	2
19	Controlling Strain Relaxation by Interface Design in Highly Lattice-Mismatched Heterostructure. <i>Nano Letters</i> , 2021 , 21, 6867-6874	11.5	2
18	Deep sub-angstrom resolution imaging by electron ptychography with misorientation correction.. <i>Science Advances</i> , 2022 , 8, eabn2275	14.3	2
17	Enhanced stability of the strengthening phase Ni ₂ (Cr,Mo) in NiCrMo alloys by adjacent instability. <i>Computational Materials Science</i> , 2015 , 109, 111-114	3.2	1
16	Interstitial oxygen-related defects and current leakage in trench metal-oxide-semiconductor field-effect transistor on epi-As ⁺⁺ structure. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2006 , 24, 1238-1242	2.9	1
15	Atomic structures of twin boundaries in CoO. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 25590-25596	6.6	1
14	Structural distortion and collinear-to-helical magnetism transition in rutile-type FeO ₂ . <i>Physical Review B</i> , 2020 , 102,	3.3	1
13	Metastable Ce-terminated (1 1 1) surface of ceria. <i>Applied Surface Science</i> , 2021 , 546, 148972	6.7	1
12	Twin Boundary and Fivefold Twins in Nickel Oxide. <i>Physica Status Solidi (B): Basic Research</i> , 2021 , 258, 2000377	1.3	1
11	Structure stabilization effect of configuration entropy in cubic WN. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 29243-29248	3.6	1
10	Comparative first-principles study of elastic constants of covalent and ionic materials with LDA, GGA, and meta-GGA functionals and the prediction of mechanical hardness. <i>Science China Technological Sciences</i> , 1	3.5	0
9	Displacement separation analysis from atomic-resolution images. <i>Ultramicroscopy</i> , 2022 , 232, 113404	3.1	0
8	Atomic Structure of the Cu ₂ O(111) Surface: A Transmission Electron Microscopy and DFT + U Study. <i>Physica Status Solidi (B): Basic Research</i> , 2021 , 258, 2100185	1.3	0
7	Roles of Oxygen Vacancy in Improper Ferroelectrics. <i>Microscopy and Microanalysis</i> , 2018 , 24, 74-75	0.5	
6	Effective transference numbers and water incorporation in glass-ceramic La(PO ₃) ₃ /Ca(PO ₃) ₂ in oxidizing atmospheres. <i>Solid State Ionics</i> , 2012 , 217, 34-39	3.3	

- 5 Core structures of {110} edge dislocations in BaTiO₃. *AIP Advances*, **2015**, 5, 077172 1.5
- 4 Stabilization of the (1 1 1) surface of NiO and CoO by segregation of point defects. *Applied Surface Science*, **2022**, 582, 152473 6.7
- 3 Properties of stress-induced super tetragonal phase in epitaxial BiFeO₃ thin film. *Applied Physics Letters*, **2021**, 118, 242903 3.4
- 2 Half-Metallic CoO₂ and Semiconducting NiO₂ at High Pressures. *Physica Status Solidi (B): Basic Research*, 2100233 1.3
- 1 Two-band superconductivity through structural and electronic reconstruction on interface: YBa₂Cu₃O₇/LaAlO₃(001). *Journal of Applied Physics*, **2022**, 131, 125303 2.5