

# Rong Yu

## List of Publications by Year in descending order

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146  
papers

8,816  
citations

66234

42  
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43802

91  
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151  
all docs

151  
docs citations

151  
times ranked

11429  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafine jagged platinum nanowires enable ultrahigh mass activity for the oxygen reduction reaction. <i>Science</i> , 2016, 354, 1414-1419.	6.0	1,292
2	Single-atom tailoring of platinum nanocatalysts for high-performance multifunctional electrocatalysis. <i>Nature Catalysis</i> , 2019, 2, 495-503.	16.1	464
3	Ultrathin rhodium nanosheets. <i>Nature Communications</i> , 2014, 5, 3093.	5.8	428
4	Tuning defects in oxides at room temperature by lithium reduction. <i>Nature Communications</i> , 2018, 9, 1302.	5.8	428
5	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.	6.6	354
6	Strain control and spontaneous phase ordering in vertical nanocomposite heteroepitaxial thin films. <i>Nature Materials</i> , 2008, 7, 314-320.	13.3	334
7	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.	3.3	325
8	Rare-Earth Single Erbium Atoms for Enhanced Photocatalytic CO <sub>2</sub> Reduction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10651-10657.	7.2	314
9	Carbon nitride supported Fe <sub>2</sub> cluster catalysts with superior performance for alkene epoxidation. <i>Nature Communications</i> , 2018, 9, 2353.	5.8	278
10	Three-dimensional open nano-netcage electrocatalysts for efficient pH-universal overall water splitting. <i>Nature Communications</i> , 2019, 10, 4875.	5.8	253
11	Sophisticated Construction of Au Islands on Pt-Ni: An Ideal Trimetallic Nanoframe Catalyst. <i>Journal of the American Chemical Society</i> , 2014, 136, 11594-11597.	6.6	216
12	Platinum-nickel frame within metal-organic framework fabricated in situ for hydrogen enrichment and molecular sieving. <i>Nature Communications</i> , 2015, 6, 8248.	5.8	184
13	Calculations of single-crystal elastic constants made simple. <i>Computer Physics Communications</i> , 2010, 181, 671-675.	3.0	182
14	A Seed-Based Diffusion Route to Monodisperse Intermetallic CuAu Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2917-2921.	7.2	167
15	Highly branched Pt-Ni nanocrystals enclosed by stepped surface for methanol oxidation. <i>Chemical Science</i> , 2012, 3, 1925.	3.7	146
16	Lattice Strain Distributions in Individual Dealloyed Pt-Fe Catalyst Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 934-938.	2.1	124
17	Structure and interface chemistry of perovskite-spinel nanocomposite thin films. <i>Applied Physics Letters</i> , 2006, 89, 172902.	1.5	122
18	Elastic stability and electronic structure of pyrite type PtN <sub>2</sub> : A hard semiconductor. <i>Applied Physics Letters</i> , 2006, 88, 051913.	1.5	117

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19	Unveiling the charge transfer dynamics steered by built-in electric fields in BiOBr photocatalysts. <i>Nature Communications</i> , 2022, 13, 2230.	5.8	117
20	Crystal Structures of and Displacive Transitions in OsN <sub>2</sub> , IrN <sub>2</sub> , RuN <sub>2</sub> , and RhN <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1136-1140.	7.2	116
21	Defect-Dominated Shape Recovery of Nanocrystals: A New Strategy for Trimetallic Catalysts. <i>Journal of the American Chemical Society</i> , 2013, 135, 12220-12223.	6.6	96
22	Platinum nitride with fluorite structure. <i>Applied Physics Letters</i> , 2005, 86, 121913.	1.5	94
23	Impact of carbon structure and morphology on the electrochemical performance of LiFePO <sub>4</sub> /C composites. <i>Journal of Solid State Electrochemistry</i> , 2008, 12, 995-1001.	1.2	90
24	Family of noble metal nitrides: First principles calculations of the elastic stability. <i>Physical Review B</i> , 2005, 72, .	1.1	81
25	Icosahedral Face-Centered Cubic Fe Nanoparticles: Facile Synthesis and Characterization with Aberration-Corrected TEM. <i>Nano Letters</i> , 2009, 9, 1572-1576.	4.5	80
26	Effects of Si and Al on twin boundary energy of TiC. <i>Acta Materialia</i> , 2003, 51, 2477-2484.	3.8	79
27	Thermal Wetting of Platinum Nanocrystals on Silica Surface. <i>Journal of Physical Chemistry B</i> , 2005, 109, 6940-6943.	1.2	75
28	Static and dynamic polar nanoregions in relaxor ferroelectric Ba(Ti <sub>1-x</sub> Ca <sub>x</sub> ) <sub>2</sub> Fe <sub>2</sub> O <sub>12</sub> . <i>Journal of Applied Physics</i> , 2005, 98, 044101.	1.1	73
29	Si-induced twinning of TiC and formation of Ti <sub>3</sub> SiC <sub>2</sub> platelets. <i>Acta Materialia</i> , 2002, 50, 4127-4135.	3.8	72
30	Proton-Transfer Mechanism in LaPO <sub>4</sub> . <i>Journal of Physical Chemistry C</i> , 2007, 111, 11003-11007.	1.5	71
31	Ultrathin Au@Ag bimetallic nanowires with Coulomb blockade effects. <i>Chemical Communications</i> , 2011, 47, 5160.	2.2	69
32	One-Pot Protocol for Bimetallic Pt/Cu Hexapod Concave Nanocrystals with Enhanced Electrocatalytic Activity. <i>Scientific Reports</i> , 2013, 3, 1404.	1.6	68
33	Quantitative experimental determination of site-specific magnetic structures by transmitted electrons. <i>Nature Communications</i> , 2013, 4, 1395.	5.8	66
34	PdAg bimetallic electrocatalyst for highly selective reduction of CO <sub>2</sub> with low COOH* formation energy and facile CO desorption. <i>Nano Research</i> , 2019, 12, 2866-2871.	5.8	61
35	Direct Subangstrom Measurement of Surfaces of Oxide Particles. <i>Physical Review Letters</i> , 2010, 105, 226101.	2.9	60
36	Atomic scale imaging of magnetic circular dichroism by achromatic electron microscopy. <i>Nature Materials</i> , 2018, 17, 221-225.	13.3	60

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37	Nitrogen-coordinated cobalt nanocrystals for oxidative dehydrogenation and hydrogenation of N-heterocycles. <i>Chemical Science</i> , 2019, 10, 5345-5352.	3.7	60
38	Formation of Hexagonal-Close Packed (HCP) Rhodium as a Size Effect. <i>Journal of the American Chemical Society</i> , 2017, 139, 575-578.	6.6	58
39	Microscopic model for the ferroelectric field effect in oxide heterostructures. <i>Physical Review B</i> , 2011, 84, .	1.1	51
40	Rare-Earth Single Erbium Atoms for Enhanced Photocatalytic CO <sub>2</sub> Reduction. <i>Angewandte Chemie</i> , 2020, 132, 10738-10744.	1.6	49
41	Undulating Slip in Laves Phase and Implications for Deformation in Brittle Materials. <i>Physical Review Letters</i> , 2011, 106, 165505.	2.9	46
42	Effect of W on structural stability of TiAl intermetallics and the site preference of W. <i>Physical Review B</i> , 2002, 65, .	1.1	44
43	Orientation relationship and interfacial structure between $\eta$ -Ti <sub>5</sub> Si <sub>3</sub> precipitates and $\beta$ -TiAl intermetallics. <i>Acta Materialia</i> , 2000, 48, 3701-3710.	3.8	42
44	Reversible Wurtzite-Tetragonal Reconstruction in ZnO(10 $\bar{1}$ 0) Surfaces. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7744-7747.	7.2	41
45	Influence of Stress and Orientation on Magnetoelectric Coupling of Pb(Zr,Ti)O <sub>3</sub> -CoFe <sub>2</sub> O <sub>4</sub> Bilayer Films. <i>Journal of the American Ceramic Society</i> , 2011, 94, 1060-1066.	1.9	40
46	Polymorphism of Ti <sub>3</sub> SiC <sub>2</sub> . <i>Journal of Materials Research</i> , 2002, 17, 948-950.	1.2	36
47	Synthesis and characterization of mixed-morphology CePO <sub>4</sub> nanoparticles. <i>Journal of Solid State Chemistry</i> , 2007, 180, 840-846.	1.4	35
48	Low-energy transmission electron diffraction and imaging of large-area graphene. <i>Science Advances</i> , 2017, 3, e1603231.	4.7	35
49	Structural stability and the alloying effect of TiB polymorphs in TiAl alloys. <i>Intermetallics</i> , 2017, 90, 97-102.	1.8	35
50	Visualization of Dopant Oxygen Atoms in a Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+</sub> $\delta$ Superconductor. <i>Advanced Functional Materials</i> , 2019, 29, 1903843.	7.8	34
51	Ultrathin CuO nanorods: controllable synthesis and superior catalytic properties in styrene epoxidation. <i>Chemical Communications</i> , 2015, 51, 8817-8820.	2.2	31
52	Proton transport paths in lanthanum phosphate electrolytes. <i>Solid State Ionics</i> , 2007, 178, 769-773.	1.3	29
53	B <sub>2</sub> precipitates and distribution of W in a Ti-47Al-2W-0.5Si alloy. <i>Intermetallics</i> , 2002, 10, 661-665.	1.8	28
54	Topology of charge density and elastic anisotropy of Ti <sub>3</sub> SiC <sub>2</sub> polymorphs. <i>Journal of Materials Research</i> , 2005, 20, 1180-1185.	1.2	28

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55	Practical Magnetic Pinning in YBCO. IEEE Transactions on Applied Superconductivity, 2009, 19, 3148-3151.	1.1	27
56	Subangstrom Profile Imaging of Relaxed ZnO(101̄1̄0) Surfaces. Nano Letters, 2012, 12, 704-708.	4.5	25
57	Thermally Driven Interfacial Dynamics of Metal/Oxide Bilayer Nanoribbons. Small, 2005, 1, 858-865.	5.2	24
58	Competing Interfacial Reconstruction Mechanisms in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /SrTiO <sub>3</sub> Heterostructures. ACS Applied Materials & Interfaces, 2016, 8, 24192-24197.	4.0	24
59	On the orientation relationship between Ti <sub>5</sub> Si <sub>3</sub> precipitates and B2 phase in a Ti-47Al-2W-0.5Si alloy. Scripta Materialia, 2001, 44, 911-916.	2.6	22
60	Stacking faults and grain boundaries of Ti <sub>3</sub> SiC <sub>2</sub> . Philosophical Magazine Letters, 2003, 83, 325-331.	0.5	22
61	A new type of vanadium carbide V <sub>5</sub> C <sub>3</sub> and its hardening by tuning Fermi energy. Scientific Reports, 2016, 6, 21794.	1.6	22
62	First-principles calculations of the effect of Pt on NiAl surface energy and the site preference of Pt. Applied Physics Letters, 2007, 91, .	1.5	21
63	Proton conduction and characterization of an La(PO <sub>3</sub> ) <sub>3</sub> Ca(PO <sub>3</sub> ) <sub>2</sub> glass ceramic. Solid State Ionics, 2008, 178, 1811-1816.	1.3	20
64	Palladium/tin bimetallic single-crystalline hollow nanospheres. Chemical Communications, 2012, 48, 1683-1685.	2.2	20
65	Prediction on technetium triboride from first-principles calculations. Solid State Communications, 2017, 252, 40-45.	0.9	20
66	Deep sub-angstrom resolution imaging by electron ptychography with misorientation correction. Science Advances, 2022, 8, eabn2275.	4.7	20
67	Elastic constants and tensile properties of Al <sub>2</sub> O <sub>3</sub> by density functional calculations. Physical Review B, 2007, 75, .	1.1	19
68	Epitaxial growth of Fe <sub>3</sub> O <sub>4</sub> (111) on SrTiO <sub>3</sub> (001) substrates. Journal of Crystal Growth, 2008, 310, 5282-5286.	0.7	19
69	Atomic-scale study of topological vortex-like domain pattern in multiferroic hexagonal manganites. Applied Physics Letters, 2013, 103, 032901.	1.5	19
70	Strain Concentration at the Boundaries in 5-Fold Twins of Diamond and Silicon. ACS Applied Materials & Interfaces, 2017, 9, 4253-4258.	4.0	19
71	Microstructural characterization of Fe <sub>N</sub> thin films. Thin Solid Films, 2002, 411, 225-228.	0.8	17
72	Addition of ferromagnetic CoFe <sub>2</sub> O <sub>4</sub> to YBCO thin films for enhanced flux pinning. Physica C: Superconductivity and Its Applications, 2010, 470, S223-S224.	0.6	17

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73	Orientation-tuning in self-assembled heterostructures induced by a buffer layer. <i>Nanoscale</i> , 2014, 6, 5126-5131.	2.8	17
74	Crystal structure of and displacive phase transition in tungsten nitride WN. <i>Journal of Alloys and Compounds</i> , 2017, 722, 517-524.	2.8	17
75	Atomic layer reversal on CeO <sub>2</sub> (100) surface. <i>Science China Materials</i> , 2017, 60, 903-908.	3.5	17
76	Reversible Structural Transition in Epitaxial Manganite Film. <i>Physical Review Letters</i> , 2002, 88, 196104.	2.9	16
77	Subsurface reconstruction and saturation of surface bonds. <i>Science Bulletin</i> , 2018, 63, 1570-1575.	4.3	16
78	Softest elastic mode governs materials hardness. <i>Science Bulletin</i> , 2014, 59, 1747-1754.	1.7	14
79	Direct Observation of Thickness Dependence of Ferroelectricity in Freestanding BaTiO <sub>3</sub> Thin Film. <i>Journal of the American Ceramic Society</i> , 2015, 98, 2710-2712.	1.9	14
80	Oxygen adatoms and vacancies on the (110) surface of CeO <sub>2</sub> . <i>Science China Technological Sciences</i> , 2018, 61, 135-139.	2.0	14
81	Effect of Oxygen Interstitial Ordering on Multiple Order Parameters in Rare Earth Ferrite. <i>Physical Review Letters</i> , 2019, 123, 247601.	2.9	13
82	Structure and Stability of the (001) Surface of Co <sub>3</sub> O <sub>4</sub> . <i>Journal of Physical Chemistry C</i> , 2020, 124, 25790-25795.	1.5	13
83	Atomic steps on the MgO(100) surface. <i>Physical Review B</i> , 2013, 87, .	1.1	12
84	Atomic Mechanism of Hybridization-Dependent Surface Reconstruction with Tailored Functionality in Hexagonal Multiferroics. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 27322-27331.	4.0	12
85	Large-area silica nanotubes with controllable geometry on silicon substrates. <i>Applied Surface Science</i> , 2009, 255, 3563-3566.	3.1	11
86	Ferroelectric polarization and domain walls in orthorhombic (K <sub>1-x</sub> N <sub>x</sub> )NbO <sub>3</sub> lead-free ferroelectric ceramics. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	11
87	Self-assembled perovskite-spinel heterostructure on a highly distorted substrate. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	11
88	Structural and spin state transition in the polar NiO(1 1 1) surface. <i>Applied Surface Science</i> , 2020, 532, 147427.	3.1	11
89	Effective object planes for aberration-corrected transmission electron microscopy. <i>Ultramicroscopy</i> , 2012, 112, 15-21.	0.8	10
90	Engineering the surface of rutile TiO <sub>2</sub> nanoparticles with quantum pits towards excellent lithium storage. <i>RSC Advances</i> , 2016, 6, 66197-66203.	1.7	10

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91	Surface termination and stoichiometry of LaAlO <sub>3</sub> (001) surface studied by HRTEM. <i>Micron</i> , 2020, 137, 102919.	1.1	10
92	Flexible Cation Distribution for Stabilizing a Spinel Surface. <i>Journal of Physical Chemistry C</i> , 2020, 124, 16431-16438.	1.5	10
93	Effect of oxygen stoichiometry in LuFe <sub>2</sub> O <sub>4</sub> and its microstructure observed by aberration-corrected transmission electron microscopy. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 435901.	0.7	9
94	Surface Structures of Mn <sub>3</sub> O <sub>4</sub> and the Partition of Oxidation States of Mn. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5675-5681.	2.1	9
95	Atomic-scale structure characteristics of antiferroelectric silver niobate. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	8
96	Prediction of stable high-pressure structures of tantalum nitride TaN <sub>2</sub> . <i>Journal of Materials Science and Technology</i> , 2019, 35, 2297-2304.	5.6	8
97	Metal/ceramic interface in an <i>in situ</i> synthesized Ti/TiC <sub>P</sub> composite coating by laser processing. <i>Journal of Materials Research</i> , 2001, 16, 9-12.	1.2	7
98	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.	1.5	7
99	Kinetic faceting of the low index W surfaces under electrical current. <i>Surface Science</i> , 2014, 625, 10-15.	0.8	7
100	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, .	0.6	7
101	Strengthening materials by changing the number of valence electrons. <i>Computational Materials Science</i> , 2017, 129, 252-258.	1.4	7
102	Atomic Heterointerfaces and Electrical Transportation Properties in Self-Assembled LaNiO <sub>3</sub> NiO Heteroepitaxy. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701202.	1.9	7
103	Atomic structures of high Miller index surfaces of NiO. <i>Journal of Materials Chemistry C</i> , 2020, 8, 14164-14171.	2.7	7
104	Metastable Ce-terminated (1 1 1) surface of ceria. <i>Applied Surface Science</i> , 2021, 546, 148972.	3.1	7
105	Microstructural study on multilayer [FeTaN/TaN] <sub>5</sub> films. <i>Materials Letters</i> , 2003, 57, 3904-3909.	1.3	6
106	Early precipitation of Ni <sub>2</sub> (Cr,Mo) phase. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 615, 1-6.	2.6	6
107	Deuterium ion irradiation induced precipitation in Fe-Cr alloy: Characterization and effects on irradiation behavior. <i>Journal of Nuclear Materials</i> , 2015, 459, 81-89.	1.3	6
108	Determination of the incommensurate modulated structure of Bi <sub>2</sub> Sr <sub>1.6</sub> La <sub>0.4</sub> CuO <sub>6+</sub> by aberration-corrected transmission electron microscopy. <i>Ultramicroscopy</i> , 2015, 159, 67-72.	0.8	6

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109	Atomic Structure and Properties of SnO <sub>2</sub> (100) and (101) Surfaces and (301) Steps in the (100) Surface. Journal of Physical Chemistry C, 2020, 124, 27631-27636.	1.5	6
110	Atomic structure and properties of a perovskite/spinel (111) interface. Physical Review B, 2020, 102, .	1.1	6
111	Defect structures of the Cr <sub>2</sub> O <sub>3</sub> (112̄,0) surface: effect of electron beam irradiation. Journal of Materials Chemistry C, 2021, 9, 6324-6331.	2.7	6
112	Controlling Strain Relaxation by Interface Design in Highly Lattice-Mismatched Heterostructure. Nano Letters, 2021, 21, 6867-6874.	4.5	6
113	Atomic structures of twin boundaries in CoO. Physical Chemistry Chemical Physics, 2021, 23, 25590-25596.	1.3	6
114	On the orientation relationship between a <sub>2</sub> precipitates and the B <sub>2</sub> phase in a Ti-47at.%Al-2at.%W-0.5at.%Si alloy. Philosophical Magazine Letters, 2001, 81, 71-76.	0.5	5
115	The effect of doping Ag on the microstructure of La <sub>2</sub> /3Sr <sub>1</sub> /3MnO <sub>3</sub> films. Journal of Materials Research, 2002, 17, 2712-2719.	1.2	5
116	A Power-aware and Range-free Localization Algorithm for Sensor Networks. , 2006, , .		5
117	Dynamic microscopic structures and dielectric response in the cubic-to-tetragonal phase transition for BaTiO <sub>3</sub> studied by first-principles molecular dynamics simulation. Journal of Applied Physics, 2011, 109, .	1.1	5
118	Experimental measurements and theoretical calculations of the atomic structure of materials with subangstrom resolution and picometer precision. Science Bulletin, 2014, 59, 1719-1724.	1.7	5
119	Twin Boundary and Fivefold Twins in Nickel Oxide. Physica Status Solidi (B): Basic Research, 2021, 258, 2000377.	0.7	5
120	Robust Power-Aware Routing in Wireless Sensor Networks with Special Concern about Localization Error. , 2006, , .		4
121	Multishell Intermetallic Onions by Symmetrical Configuration of Ordered Domains. Physical Review Letters, 2010, 105, 225501.	2.9	4
122	Spontaneous orientation-tuning driven by the strain variation in self-assembled ZnO-SrRuO <sub>3</sub> heteroepitaxy. Applied Physics Letters, 2015, 107, .	1.5	4
123	Orientation relationships and interfaces between NiAl and G-phase Ni <sub>16</sub> Hf <sub>6</sub> Si <sub>7</sub> . Materials Letters, 2001, 49, 25-28.	1.3	3
124	Impacts of Back Surface Conditions on the Behavior of Oxygen in Heavily Arsenic Doped Czochralski Silicon Wafers. Materials Research Society Symposia Proceedings, 2005, 864, 9181.	0.1	3
125	Superconductorâ€“ferromagnet nanocomposites created by co-deposition of niobium and dysprosium. Superconductor Science and Technology, 2009, 22, 075001.	1.8	3
126	A novel controllable synthesis of silica nanotube arrays with ultraviolet photoluminescence. Solid State Sciences, 2009, 11, 1252-1257.	1.5	3



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127	Enhanced stability of the strengthening phase Ni <sub>2</sub> (Cr,Mo) in Ni-Cr-Mo alloys by adjacent instability. Computational Materials Science, 2015, 109, 111-114.	1.4	3
128	Structure stabilization effect of configuration entropy in cubic WN. Physical Chemistry Chemical Physics, 2018, 20, 29243-29248.	1.3	3
129	Coherent Topotactic Interface between Corundum and Rutile Structures. Journal of Physical Chemistry C, 2019, 123, 534-540.	1.5	3
130	Atomic Structure of the Cu <sub>2</sub> O(111) Surface: A Transmission Electron Microscopy and DFT Study. Physica Status Solidi (B): Basic Research, 2021, 258, 2100185.	0.7	3
131	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. Science China Technological Sciences, 2021, 64, 2755-2761.	2.0	3
132	Displacement separation analysis from atomic-resolution images. Ultramicroscopy, 2022, 232, 113404.	0.8	3
133	Stabilization of the (1 1 1) surface of NiO and CoO by segregation of point defects. Applied Surface Science, 2022, 582, 152473.	3.1	3
134	Atomic structure and polarity compensation of BaTiO <sub>3</sub> (111) surface. Journal of Physics Condensed Matter, 2015, 27, 095901.	0.7	2
135	Bilayer MoS <sub>2</sub> quantum dots with tunable magnetism and spin. AIP Advances, 2018, 8, 115103.	0.6	2
136	Hardening tungsten carbide by alloying elements with high work function. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 994-1002.	0.5	2
137	Polyhedron and Charge Ordering in Interfacial Reconstruction of a Hexagonal Ferrite/Sapphire Heterostructure. ACS Applied Materials & Interfaces, 2021, 13, 11489-11496.	4.0	2
138	Interstitial oxygen-related defects and current leakage in trench metal-oxide-semiconductor field-effect transistor on epi-As <sup>++</sup> structure. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2006, 24, 1238-1242.	0.9	1
139	Structural distortion and collinear-to-helical magnetism transition in rutile-type $\text{FeO}$ . Physical Review B, 2020, 102, .	1.1	1
140	Spontaneous ordering, strain control and multifunctionality in vertical nanocomposite heteroepitaxial films. , 2008, , .		0
141	Effective transference numbers and water incorporation in glass-ceramic La(PO <sub>3</sub> ) <sub>3</sub> -Ca(PO <sub>3</sub> ) <sub>2</sub> in oxidizing atmospheres. Solid State Ionics, 2012, 217, 34-39.	1.3	0
142	Core structures of <001> {110} edge dislocations in BaTiO <sub>3</sub> . AIP Advances, 2015, 5, 077172.	0.6	0
143	Roles of Oxygen Vacancy in Improper Ferroelectrics. Microscopy and Microanalysis, 2018, 24, 74-75.	0.2	0
144	Properties of stress-induced super tetragonal phase in epitaxial BiFeO <sub>3</sub> thin film. Applied Physics Letters, 2021, 118, 242903.	1.5	0

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145	Half-Metallic CoO <sub>2</sub> and Semiconducting NiO <sub>2</sub> at High Pressures. Physica Status Solidi (B): Basic Research, 0, , 2100233.	0.7	0
146	Two-band superconductivity through structural and electronic reconstruction on interface: YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> /LaAlO <sub>3</sub> (001). Journal of Applied Physics, 2022, 131, 125303.	1.1	0