

Wandong Xing

List of Publications by Year in descending order

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papers

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citations

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all docs

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docs citations

24
times ranked

165
citing authors

#	ARTICLE	IF	CITATIONS
1	Unveiling the charge transfer dynamics steered by built-in electric fields in BiOBr photocatalysts. Nature Communications, 2022, 13, 2230.	12.8	117
2	Interfacial engineering of lattice coherency at ZnO-ZnS photocatalytic heterojunctions. Chem Catalysis, 2022, 2, 125-139.	6.1	56
3	A new type of vanadium carbide V ₅ C ₃ and its hardening by tuning Fermi energy. Scientific Reports, 2016, 6, 21794.	3.3	22
4	Prediction on technetium triboride from first-principles calculations. Solid State Communications, 2017, 252, 40-45.	1.9	20
5	Microstructure and Phase Evolution Mechanism in Hot-pressed and Hot-deformed Nd-Fe-B Magnets with Nd ₈₅ Cu ₁₅ Addition. Acta Materialia, 2021, 204, 116493.	7.9	19
6	Crystal structure of and displacive phase transition in tungsten nitride WN. Journal of Alloys and Compounds, 2017, 722, 517-524.	5.5	17
7	Improvement of coercivity and its thermal stability of hot-deformed Nd-Fe-B magnets processed by Tb ₇₀ Cu ₃₀ doping and subsequent Nd ₈₅ Cu ₁₅ diffusion. Acta Materialia, 2021, 220, 117296.	7.9	16
8	Effect of Oxygen Interstitial Ordering on Multiple Order Parameters in Rare Earth Ferrite. Physical Review Letters, 2019, 123, 247601.	7.8	13
9	Structural and spin state transition in the polar NiO(1 1 1) surface. Applied Surface Science, 2020, 532, 147427.	6.1	11
10	Prediction of stable high-pressure structures of tantalum nitride TaN ₂ . Journal of Materials Science and Technology, 2019, 35, 2297-2304.	10.7	8
11	Strengthening materials by changing the number of valence electrons. Computational Materials Science, 2017, 129, 252-258.	3.0	7
12	Atomic structures of high Miller index surfaces of NiO. Journal of Materials Chemistry C, 2020, 8, 14164-14171.	5.5	7
13	Metastable Ce-terminated (1 1 1) surface of ceria. Applied Surface Science, 2021, 546, 148972.	6.1	7
14	Atomic structure and properties of a perovskite/spinel (111) interface. Physical Review B, 2020, 102, .	3.2	6
15	Defect structures of the Cr ₂ O ₃ (112̄,0) surface: effect of electron beam irradiation. Journal of Materials Chemistry C, 2021, 9, 6324-6331.	5.5	6
16	Atomic structures of twin boundaries in CoO. Physical Chemistry Chemical Physics, 2021, 23, 25590-25596.	2.8	6
17	Twin Boundary and Fivefold Twins in Nickel Oxide. Physica Status Solidi (B): Basic Research, 2021, 258, 2000377.	1.5	5
18	Effect of metallic Nd on the decomposition behavior of Nd ₆ (Fe,Co) ₁₃ Ga phase in hot-deformed Nd-Fe-B magnet. Intermetallics, 2022, 145, 107558.	3.9	4

#	ARTICLE	IF	CITATIONS
19	Structure stabilization effect of configuration entropy in cubic WN. Physical Chemistry Chemical Physics, 2018, 20, 29243-29248.	2.8	3
20	Atomic Structure of the Cu ₂ O(111) Surface: A Transmission Electron Microscopy and DFT Study. Physica Status Solidi (B): Basic Research, 2021, 258, 2100185.	1.5	3
21	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.	4.0	3
22	Stabilization of the (1 1 1) surface of NiO and CoO by segregation of point defects. Applied Surface Science, 2022, 582, 152473.	6.1	3
23	Structure and energy of the (101) twin boundary in hot-deformed Nd-Fe-B magnets. Materials Characterization, 2021, 179, 111380.	4.4	2
24	Half-Metallic CoO ₂ and Semiconducting NiO ₂ at High Pressures. Physica Status Solidi (B): Basic Research, 0, , 2100233.	1.5	0