

# Wandong Xing

## List of Publications by Year in descending order

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24  
papers

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citations

1163117

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h-index

839539

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all docs

24  
docs citations

24  
times ranked

165  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Interfacial engineering of lattice coherency at ZnO-ZnS photocatalytic heterojunctions. Chem Catalysis, 2022, 2, 125-139.	6.1	56
3	Effect of metallic Nd on the decomposition behavior of Nd <sub>6</sub> (Fe,Co) <sub>13</sub> Ga phase in hot-deformed Nd-Fe-B magnet. Intermetallics, 2022, 145, 107558.	3.9	4
4	Unveiling the charge transfer dynamics steered by built-in electric fields in BiOBr photocatalysts. Nature Communications, 2022, 13, 2230.	12.8	117
5	Twin Boundary and Fivefold Twins in Nickel Oxide. Physica Status Solidi (B): Basic Research, 2021, 258, 2000377.	1.5	5
6	Microstructure and Phase Evolution Mechanism in Hot-pressed and Hot-deformed Nd-Fe-B Magnets with Nd <sub>85</sub> Cu <sub>15</sub> Addition. Acta Materialia, 2021, 204, 116493.	7.9	19
7	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.	5.5	6
8	Metastable Ce-terminated (1 1 1) surface of ceria. Applied Surface Science, 2021, 546, 148972.	6.1	7
9	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.	1.5	3
10	Structure and energy of the (101) twin boundary in hot-deformed Nd-Fe-B magnets. Materials Characterization, 2021, 179, 111380.	4.4	2
11	Improvement of coercivity and its thermal stability of hot-deformed Nd-Fe-B magnets processed by Tb <sub>70</sub> Cu <sub>30</sub> doping and subsequent Nd <sub>85</sub> Cu <sub>15</sub> diffusion. Acta Materialia, 2021, 220, 117296.	7.9	16
12	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
13	Atomic structures of twin boundaries in CoO. Physical Chemistry Chemical Physics, 2021, 23, 25590-25596.	2.8	6
14	Structural and spin state transition in the polar NiO(1 1 1) surface. Applied Surface Science, 2020, 532, 147427.	6.1	11
15	Atomic structure and properties of a perovskite/spinel (111) interface. Physical Review B, 2020, 102, .	3.2	6
16	Atomic structures of high Miller index surfaces of NiO. Journal of Materials Chemistry C, 2020, 8, 14164-14171.	5.5	7
17	Prediction of stable high-pressure structures of tantalum nitride TaN <sub>2</sub> . Journal of Materials Science and Technology, 2019, 35, 2297-2304.	10.7	8
18	Effect of Oxygen Interstitial Ordering on Multiple Order Parameters in Rare Earth Ferrite. Physical Review Letters, 2019, 123, 247601.	7.8	13

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19	Structure stabilization effect of configuration entropy in cubic WN. Physical Chemistry Chemical Physics, 2018, 20, 29243-29248.	2.8	3
20	Strengthening materials by changing the number of valence electrons. Computational Materials Science, 2017, 129, 252-258.	3.0	7
21	Prediction on technetium triboride from first-principles calculations. Solid State Communications, 2017, 252, 40-45.	1.9	20
22	Crystal structure of and displacive phase transition in tungsten nitride WN. Journal of Alloys and Compounds, 2017, 722, 517-524.	5.5	17
23	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.	3.3	22
24	Half-metallic CoO <sub>2</sub> and Semiconducting NiO <sub>2</sub> at High Pressures. Physica Status Solidi (B): Basic Research, 0, , 2100233.	1.5	0