

Min Wu

List of Publications by Year in descending order

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25
papers

1,272
citations

687363
13
h-index

580821
25
g-index

25
all docs

25
docs citations

25
times ranked

1917
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbonâ€Quantumâ€Dotsâ€Loaded Ruthenium Nanoparticles as an Efficient Electrocatalyst for Hydrogen Production in Alkaline Media. Advanced Materials, 2018, 30, e1800676.	21.0	406
2	Single Atom Rutheniumâ€Doped CoP/CDs Nanosheets via Splicing of Carbonâ€Dots for Robust Hydrogen Production. Angewandte Chemie - International Edition, 2021, 60, 7234-7244.	13.8	306
3	Lithiophilic 3D Porous CuZn Current Collector for Stable Lithium Metal Batteries. ACS Energy Letters, 2020, 5, 180-186.	17.4	159
4	Green synthesis of graphite from CO2 without graphitization process of amorphous carbon. Nature Communications, 2021, 12, 119.	12.8	93
5	Empowering Metal Phosphides Anode with Catalytic Attribute toward Superior Cyclability for Lithiumâ€Ion Storage. Advanced Functional Materials, 2019, 29, 1809051.	14.9	52
6	Superconductivity in FeH_5 . Physical Review B, 2017, 96, .	3.2	14
7	Origin of pressure-induced crystallization of Ce ₇₅ Al ₂₅ metallic glass. Nature Communications, 2015, 6, 6493.	12.8	33
8	Crystal structures and dynamical properties of dense CO ₂ . Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11110-11115.	7.1	28
9	Structural dynamics of basaltic melt at mantle conditions with implications for magma oceans and superplumes. Nature Communications, 2020, 11, 4815.	12.8	17
10	Structures and Transport Properties of CaCO ₃ Melts under Earthâ€™s Mantle Conditions. ACS Earth and Space Chemistry, 2018, 2, 1-8.	2.7	15
11	Pressure-induced polyamorphism in a main-group metallic glass. Physical Review B, 2016, 94, .	3.2	14
12	Hard BN Clathrate Superconductors. Journal of Physical Chemistry Letters, 2019, 10, 2554-2560.	4.6	14
13	Anomalous bond length behavior and a new solid phase of bromine under pressure. Scientific Reports, 2016, 6, 25649.	3.3	13
14	Prediction of superhard B ₂ N ₃ with two-dimensional metallicity. Journal of Materials Chemistry C, 2019, 7, 4527-4532.	5.5	13
15	Single Atom Rutheniumâ€Doped CoP/CDs Nanosheets via Splicing of Carbonâ€Dots for Robust Hydrogen Production. Angewandte Chemie, 2021, 133, 7310-7320.	2.0	13
16	Electronic structures of greigite (Fe ₃ S ₄): A hybrid functional study and prediction for a Verwey transition. Scientific Reports, 2016, 6, 21637.	3.3	11
17	The Novel Combination of Strength and Ductility in 0.4Câ€7Mnâ€3.2Al Medium Manganese Steel by Intercritical Annealing. Steel Research International, 2019, 90, 1900228.	1.8	10
18	Hydrogen diffusion in Î±-Fe ₂ O ₃ : Implication for an effective hydrogen diffusion barrier. International Journal of Hydrogen Energy, 2020, 45, 32648-32653.	7.1	10

#	ARTICLE	IF	CITATIONS
19	A first-principles study of the effect of vacancy defects on the electronic structures of greigite (Fe ₃ S ₄). Scientific Reports, 2018, 8, 11408.	3.3	9
20	Prediction of novel crystal structures and superconductivity of compressed HBr. RSC Advances, 2015, 5, 45812-45816.	3.6	6
21	Stability and properties of liquid CO ₂ at high pressure and high temperature: Implications for electrical conductivities in Earth's lower mantle. Geophysical Research Letters, 2015, 42, 5820-5827.	4.0	3
22	High-pressure modulated structures in beryllium chalcogenides. Physical Review B, 2019, 100, .	3.2	3
23	Structure and dynamical properties of liquid Au under pressure. AIP Advances, 2020, 10, 045038.	1.3	1
24	Modulating Mechanical Properties of Fe-0.35C-3.2Al-5Mn Hot-Rolled Steel by Combining Twinning-Induced Plasticity plus Transformation-Induced Plasticity Effect. Steel Research International, 2022, 93, 2100534.	1.8	1
25	Carbonate melts under lower mantle conditions. Science Bulletin, 2022, , .	9.0	1