Min Wu

List of Publications by Year
in descending order

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	Modulating Mechanical Properties of Feâ€“0.35Câ€“3.2Alâ€“5Mn Hotâ€Rolled Steel by Combining Twinningâ€Induced Plasticity plus Transformationâ€Induced Plasticity Effect. Steel Research International, 2022, 93, 2100534.	1.8	1
2	Carbonate melts under lower mantle conditions. Science Bulletin, 2022, , .	9.0	1
3	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
4	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
5	Green synthesis of graphite from CO2 without graphitization process of amorphous carbon. Nature Communications, 2021, 12, 119.	12.8	93
6	Lithiophilic 3D Porous CuZn Current Collector for Stable Lithium Metal Batteries. ACS Energy Letters, 2020, 5, 180-186.	17.4	159
7	Hydrogen diffusion in Î±-Fe2O3: Implication for an effective hydrogen diffusion barrier. International Journal of Hydrogen Energy, 2020, 45, 32648-32653.	7.1	10
8	Structural dynamics of basaltic melt at mantle conditions with implications for magma oceans and superplumes. Nature Communications, 2020, 11, 4815.	12.8	17
9	Structure and dynamical properties of liquid Au under pressure. AIP Advances, 2020, 10, 045038.	1.3	1
10	High-pressure modulated structures in beryllium chalcogenides. Physical Review B, 2019, 100, .	3.2	3
11	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
12	Hard BN Clathrate Superconductors. Journal of Physical Chemistry Letters, 2019, 10, 2554-2560.	4.6	14
13	Prediction of superhard B₂N₃ with two-dimensional metallicity. Journal of Materials Chemistry C, 2019, 7, 4527-4532.	5.5	13
14	Empowering Metal Phosphides Anode with Catalytic Attribute toward Superior Cyclability for Lithiumâ€Ion Storage. Advanced Functional Materials, 2019, 29, 1809051.	14.9	52
15	Structures and Transport Properties of CaCO₃ Melts under Earthâ€™s Mantle Conditions. ACS Earth and Space Chemistry, 2018, 2, 1-8.	2.7	15
16	A first-principles study of the effect of vacancy defects on the electronic structures of greigite (Fe3S4). Scientific Reports, 2018, 8, 11408.	3.3	9
17	Carbonâ€Quantumâ€Dotsâ€Loaded Ruthenium Nanoparticles as an Efficient Electrocatalyst for Hydrogen Production in Alkaline Media. Advanced Materials, 2018, 30, e1800676.	21.0	406
18	Superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>FeH</mml:mi><mml:mn>5</mml:mn></mml:msub></mm Physical Review B, 2017, 96, .	3.2	45

#	Article	IF	Citations
19	Pressure-induced polyamorphism in a main-group metallic glass. Physical Review B, 2016, 94, .	3.2	14
20	Electronic structures of greigite (Fe3S4): A hybrid functional study and prediction for a Verwey transition. Scientific Reports, 2016, 6, 21637.	3.3	11
21	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
22	Anomalous bond length behavior and a new solid phase of bromine under pressure. Scientific Reports, 2016, 6, 25649.	3.3	13
23	Stability and properties of liquid CO₂ 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
24	Prediction of novel crystal structures and superconductivity of compressed HBr. RSC Advances, 2015, 5, 45812-45816.	3.6	6
25	Origin of pressure-induced crystallization of Ce75Al25 metallic glass. Nature Communications, 2015, 6, 6493.	12.8	33