

Hongyu Yu

List of Publications by Year in descending order

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27
papers

1,427
citations

623574

14
h-index

526166

27
g-index

27
all docs

27
docs citations

27
times ranked

1076
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-induced metallization of dense (H ₂ S) ₂ H ₂ with high-T _c superconductivity. Scientific Reports, 2014, 4, 6968.	1.6	802
2	Mechanisms of lncRNA/microRNA interactions in angiogenesis. Life Sciences, 2020, 254, 116900.	2.0	180
3	High-temperature superconductivity in sulfur hydride evidenced by alternating-current magnetic susceptibility. National Science Review, 2019, 6, 713-718.	4.6	63
4	Divergent synthesis routes and superconductivity of ternary hydride MgSiH ₆ at high pressure. Physical Review B, 2017, 96, .	1.7	17
5	Ternary superconducting cophosphorus hydrides stabilized via lithium. Npj Computational Materials, 2019, 5, .	3.5	38
6	Crosstalk between the lncRNA UCA1 and microRNAs in cancer. FEBS Letters, 2019, 593, 1901-1914.	1.3	33
7	Unique Phase Diagram and Superconductivity of Calcium Hydrides at High Pressures. Inorganic Chemistry, 2019, 58, 2558-2564.	1.9	33
8	Ab Initio Approach and Its Impact on Superconductivity. Journal of Superconductivity and Novel Magnetism, 2019, 32, 53-60.	0.8	29
9	First-principles study on the structural and electronic properties of metallic HfH ₂ under pressure. Scientific Reports, 2015, 5, 11381.	1.6	26
10	High-Pressure Formation of Cobalt Polyhydrides: A First-Principle Study. Inorganic Chemistry, 2018, 57, 181-186.	1.9	22
11	Predicted Formation of H ₃ ⁺ in Solid Halogen Polyhydrides at High Pressures. Journal of Physical Chemistry A, 2015, 119, 11059-11065.	1.1	19
12	Myeloid-Derived Suppressor Cells Promote the Progression of Primary Membranous Nephropathy by Enhancing Th17 Response. Frontiers in Immunology, 2020, 11, 1777.	2.2	17
13	Long Noncoding RNAs in Myocardial Ischemia-Reperfusion Injury. Oxidative Medicine and Cellular Longevity, 2021, 2021, 1-15.	1.9	16
14	Prediction of stoichiometric PoH _n compounds: crystal structures and properties. RSC Advances, 2015, 5, 103445-103450.	1.7	15
15	Enhancement of T _c in the atomic phase of iodine-doped hydrogen at high pressures. Physical Chemistry Chemical Physics, 2015, 17, 32335-32340.	1.3	15
16	Mesangial Cells Exhibit Features of Antigen-Presenting Cells and Activate CD4 ⁺ T Cell Responses. Journal of Immunology Research, 2019, 2019, 1-14.	0.9	15
17	Role of TM–TM Connection Induced by Opposite d-Electron States on the Hardness of Transition-Metal (TM = Cr, W) Mononitrides. Inorganic Chemistry, 2019, 58, 15573-15579.	1.9	10
18	Ab Initio Investigation on the Doped H ₃ S by V, VI, and VII Group Elements Under High Pressure. Journal of Superconductivity and Novel Magnetism, 2022, 35, 979-986.	0.8	7

#	ARTICLE	IF	CITATIONS
19	Ab initio molecular dynamic study of solid-state transitions of ammonium nitrate. <i>Scientific Reports</i> , 2016, 6, 18918.	1.6	5
20	Emergent property of high hardness for C-rich ruthenium carbides: partial covalent Ru-Ru bonds. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6108-6115.	1.3	5
21	Structural and Dynamic Properties of the High-Pressure, High-Temperature Phase of Solid Ammonia Borane. <i>Journal of Physical Chemistry C</i> , 2019, 123, 6326-6332.	1.5	5
22	High pressure superconducting phase of BI3: an ab initio study. <i>RSC Advances</i> , 2014, 4, 32068-32074.	1.7	4
23	First-principles investigation of rhodium hydrides under high pressure. <i>Physical Review B</i> , 2021, 104, .	1.1	4
24	Elastic properties of single crystal hydrogen sulfide: A Brillouin scattering study under high pressure-temperature. <i>Journal of Applied Physics</i> , 2018, 124, 125901.	1.1	2
25	Detection of microRNA-33a in serum, urine and renal tissue of patients with IgA nephropathy. <i>Experimental and Therapeutic Medicine</i> , 2021, 21, 205.	0.8	2
26	Pressure-Induced Superionicity of H ⁺ in Hypervalent Sodium Silicon Hydrides. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7166-7172.	2.1	2
27	Reply to the "Comment on "High-temperature superconductivity in transition metallic hydrides MH ₁₁ (M = Mo, W, Nb, and Ta) under high pressure" by X. Zheng and J. Zheng, <i>Phys. Chem. Chem. Phys.</i> , 2022, 24, 1898-1899, DOI: 10.1039/D1CP01474A. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 1898-1899.	1.3	1