Hongyu Yu

List of Publications by Citations

27 papers	830 citations	12 h-index	27 g-index
27 ext. papers	1,108 ext. citations	4.6 avg, IF	4.03 L-index

#	Paper	IF	Citations
27	Pressure-induced metallization of dense (H2S)H2S with high-Tc superconductivity. *Scientific Reports*, **2014**, 4, 6968	4.9	502
26	Mechanisms of lncRNA/microRNA interactions in angiogenesis. *Life Sciences*, **2020**, 254, 116900	6.8	91
25	Divergent synthesis routes and superconductivity of ternary hydride MgSiH6 at high pressure. *Physical Review B*, **2017**, 96,	3.3	32
24	High-temperature superconductivity in sulfur hydride evidenced by alternating-current magnetic susceptibility. *National Science Review*, **2019**, 6, 713-718	10.8	32
23	Crosstalk between the lncRNA UCA1 and microRNAs in cancer. *FEBS Letters*, **2019**, 593, 1901-1914	3.8	20
22	High-Pressure Formation of Cobalt Polyhydrides: A First-Principle Study. *Inorganic Chemistry*, **2018**, 57, 181-186	5.1	19
21	First-principles study on the structural and electronic properties of metallic HfH2 under pressure. *Scientific Reports*, **2015**, 5, 11381	4.9	18
20	Ab Initio Approach and Its Impact on Superconductivity. *Journal of Superconductivity and Novel Magnetism*, **2019**, 32, 53-60	1.5	16
19	Predicted Formation of H3(+) in Solid Halogen Polyhydrides at High Pressures. *Journal of Physical Chemistry A*, **2015**, 119, 11059-65	2.8	14
18	Ternary superconducting cophosphorus hydrides stabilized via lithium. *Npj Computational Materials* , **2019**, 5,	10.9	13
17	Enhancement of T(c) in the atomic phase of iodine-doped hydrogen at high pressures. *Physical Chemistry Chemical Physics*, **2015**, 17, 32335-40	3.6	13
16	Unique Phase Diagram and Superconductivity of Calcium Hydrides at High Pressures. *Inorganic Chemistry*, **2019**, 58, 2558-2564	5.1	12
15	Prediction of stoichiometric PoHn compounds: crystal structures and properties. *RSC Advances*, **2015**, 5, 103445-103450	3.7	12
14	Mesangial Cells Exhibit Features of Antigen-Presenting Cells and Activate CD4+ T Cell Responses. *Journal of Immunology Research*, **2019**, 2019, 2121849	4.5	6
13	Ab initio molecular dynamic study of solid-state transitions of ammonium nitrate. *Scientific Reports*, **2016**, 6, 18918	4.9	5
12	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	5.1	5
11	Structural and Dynamic Properties of the High-Pressure, High-Temperature Phase of Solid Ammonia Borane. *Journal of Physical Chemistry C*, **2019**, 123, 6326-6332	3.8	4

List of Publications

10	Emergent property of high hardness for C-rich ruthenium carbides: partial covalent Ru-Ru bonds. *Physical Chemistry Chemical Physics*, **2018**, 20, 6108-6115	3.6	3
9	High pressure superconducting phase of BI3: an ab initio study. *RSC Advances*, **2014**, 4, 32068-32074	3.7	3
8	Myeloid-Derived Suppressor Cells Promote the Progression of Primary Membranous Nephropathy by Enhancing Th17 Response. *Frontiers in Immunology*, **2020**, 11, 1777	8.4	3
7	Long Noncoding RNAs in Myocardial Ischemia-Reperfusion Injury. *Oxidative Medicine and Cellular Longevity*, **2021**, 2021, 8889123	6.7	3
6	Elastic properties of single crystal hydrogen sulfide: A Brillouin scattering study under high pressure-temperature. *Journal of Applied Physics*, **2018**, 124, 125901	2.5	2
5	Ab Initio Investigation on the Doped H3S by V, VI, and VII Group Elements Under High Pressure. *Journal of Superconductivity and Novel Magnetism*,1	1.5	1
4	First-principles investigation of rhodium hydrides under high pressure. *Physical Review B*, **2021**, 104,	3.3	1
3	Detection of microRNA-33a-5p in serum, urine and renal tissue of patients with IgA nephropathy. *Experimental and Therapeutic Medicine*, **2021**, 21, 205	2.1	0
2	Pressure-Induced Superionicity of H in Hypervalent Sodium Silicon Hydrides. *Journal of Physical Chemistry Letters*, **2021**, 12, 7166-7172	6.4	0
1	Reply to the SComment on "High-temperature superconductivity in transition metallic hydrides MH (M = Mo, W, Nb, and Ta) under high pressure"Sby X. Zheng and J. Zheng, , 2022, , DOI: 10.1039/D1CP01474A.. *Physical Chemistry Chemical Physics*, **2022**, 24, 1898-1899	3.6	