

# Hongyu Yu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Reply to the Comment on "High-temperature superconductivity in transition metallic hydrides MH (M = Mo, W, Nb, and Ta) under high pressure" by X. Zheng and J. Zheng, , 2022, , DOI: 10.1039/D1CP01474A.. <i>Physical Chemistry Chemical Physics</i> , <b>2022</b> , 24, 1898-1899	3.6	
26	Long Noncoding RNAs in Myocardial Ischemia-Reperfusion Injury. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2021</b> , 2021, 8889123	6.7	3
25	Detection of microRNA-33a-5p in serum, urine and renal tissue of patients with IgA nephropathy. <i>Experimental and Therapeutic Medicine</i> , <b>2021</b> , 21, 205	2.1	0
24	Pressure-Induced Superionicity of H in Hypervalent Sodium Silicon Hydrides. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 7166-7172	6.4	0
23	First-principles investigation of rhodium hydrides under high pressure. <i>Physical Review B</i> , <b>2021</b> , 104,	3.3	1
22	Mechanisms of lncRNA/microRNA interactions in angiogenesis. <i>Life Sciences</i> , <b>2020</b> , 254, 116900	6.8	91
21	Myeloid-Derived Suppressor Cells Promote the Progression of Primary Membranous Nephropathy by Enhancing Th17 Response. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 1777	8.4	3
20	High-temperature superconductivity in sulfur hydride evidenced by alternating-current magnetic susceptibility. <i>National Science Review</i> , <b>2019</b> , 6, 713-718	10.8	32
19	Crosstalk between the lncRNA UCA1 and microRNAs in cancer. <i>FEBS Letters</i> , <b>2019</b> , 593, 1901-1914	3.8	20
18	Unique Phase Diagram and Superconductivity of Calcium Hydrides at High Pressures. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 2558-2564	5.1	12
17	Mesangial Cells Exhibit Features of Antigen-Presenting Cells and Activate CD4+ T Cell Responses. <i>Journal of Immunology Research</i> , <b>2019</b> , 2019, 2121849	4.5	6
16	Ternary superconducting phosphorus hydrides stabilized via lithium. <i>Npj Computational Materials</i> , <b>2019</b> , 5,	10.9	13
15	Role of TM-TM Connection Induced by Opposite d-Electron States on the Hardness of Transition-Metal (TM = Cr, W) Mononitrides. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 15573-15579	5.1	5
14	Structural and Dynamic Properties of the High-Pressure, High-Temperature Phase of Solid Ammonia Borane. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 6326-6332	3.8	4
13	Ab Initio Approach and Its Impact on Superconductivity. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2019</b> , 32, 53-60	1.5	16
12	Emergent property of high hardness for C-rich ruthenium carbides: partial covalent Ru-Ru bonds. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 6108-6115	3.6	3
11	High-Pressure Formation of Cobalt Polyhydrides: A First-Principle Study. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 181-186	5.1	19

10	Elastic properties of single crystal hydrogen sulfide: A Brillouin scattering study under high pressure-temperature. <i>Journal of Applied Physics</i> , <b>2018</b> , 124, 125901	2.5	2
9	Divergent synthesis routes and superconductivity of ternary hydride MgSiH6 at high pressure. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	32
8	Ab initio molecular dynamic study of solid-state transitions of ammonium nitrate. <i>Scientific Reports</i> , <b>2016</b> , 6, 18918	4.9	5
7	First-principles study on the structural and electronic properties of metallic HfH2 under pressure. <i>Scientific Reports</i> , <b>2015</b> , 5, 11381	4.9	18
6	Prediction of stoichiometric PoHn compounds: crystal structures and properties. <i>RSC Advances</i> , <b>2015</b> , 5, 103445-103450	3.7	12
5	Enhancement of T(c) in the atomic phase of iodine-doped hydrogen at high pressures. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 32335-40	3.6	13
4	Predicted Formation of H3(+) in Solid Halogen Polyhydrides at High Pressures. <i>Journal of Physical Chemistry A</i> , <b>2015</b> , 119, 11059-65	2.8	14
3	Pressure-induced metallization of dense (H <sub>3</sub> ) <sub>n</sub> with high-Tc superconductivity. <i>Scientific Reports</i> , <b>2014</b> , 4, 6968	4.9	502
2	High pressure superconducting phase of BI3: an ab initio study. <i>RSC Advances</i> , <b>2014</b> , 4, 32068-32074	3.7	3
1	Ab Initio Investigation on the Doped H3S by V, VI, and VII Group Elements Under High Pressure. <i>Journal of Superconductivity and Novel Magnetism</i> , 1	1.5	1