

# Hongping Xiang

## List of Publications by Year in descending order

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14  
papers

244  
citations

1307594

7  
h-index

1199594

12  
g-index

15  
all docs

15  
docs citations

15  
times ranked

378  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Ferromagnetic Carbodiimide: Cr <sub>2</sub> (NCN) <sub>3</sub> . <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4738-4742.	13.8	67
2	Size-Dependent Plasmonic Resonances from Large-Scale Quantum Simulations. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1163-1169.	4.6	41
3	Synthesis of BiVO <sub>4</sub> nanoflakes decorated with AuPd nanoparticles as selective oxidation photocatalysts. <i>Journal of Colloid and Interface Science</i> , 2019, 541, 300-311.	9.4	37
4	Understanding Quantum Plasmonics from Time-Dependent Orbital-Free Density Functional Theory. <i>Journal of Physical Chemistry C</i> , 2016, 120, 14330-14336.	3.1	29
5	Theoretical Reinvestigation of the Electronic Structure of CuNCN: the Influence of Packing on the Magnetic Properties. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18891-18896.	3.1	22
6	Electronic and Magnetic Structure of Transition-Metal Carbodiimides by Means of GGA+ <i>U</i> Theory. <i>Journal of Physical Chemistry A</i> , 2010, 114, 12345-12352.	2.5	21
7	Quantum Plasmonics in Nanorods: A Time-Dependent Orbital-Free Density Functional Theory Study with Thousands of Atoms. <i>Journal of Physical Chemistry C</i> , 2020, 124, 945-951.	3.1	13
8	Formation of $\hat{\Gamma}_2$ -Fe <sub>3</sub> C Cementite via $\hat{\Gamma}_2$ -Fe <sub>3</sub> C ( $\hat{\Gamma}_2$ -Fe <sub>3</sub> C) in Fe $\hat{\Gamma}_2$ C Alloys. <i>Crystal Growth and Design</i> , 2021, 21, 1683-1688.	3.0	4
9	In Situ Self-Assembly of Ultrastable Gold Nanoparticles on Polyvinyl Alcohol Nanofibrous Mats for Use as Highly Reusable Catalysts. <i>ACS Omega</i> , 2019, 4, 20094-20100.	3.5	3
10	Understanding Quantum Plasmonic Enhancement in Nanorod Dimers from Time-Dependent Orbital-Free Density Functional Theory. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5046-5054.	3.1	3
11	Ferromagnetic Half-Metal Cyanamides Cr(NCN) <sub>2</sub> Predicted from First Principles Investigation. <i>Materials</i> , 2020, 13, 1805.	2.9	2
12	Exploration of the atomic-level structures of the icosahedral clusters in Cu $\hat{\Gamma}_2$ Zr $\hat{\Gamma}_2$ Al ternary metallic glasses via first-principles theory. <i>Materials Research Express</i> , 2022, 9, 065203.	1.6	2
13	Fitted peaks data of O2 $\hat{\Gamma}_2$ V <sup>5+</sup> charge transfer bands and R/O data of Eu <sup>3+</sup> doped Ca(VO <sub>3</sub> ) <sub>2</sub> and Ca <sub>3</sub> (VO <sub>4</sub> ) <sub>2</sub> . <i>Data in Brief</i> , 2018, 17, 1153-1157.	1.0	0
14	First low-spin carbodiimide, Fe <sub>2</sub> (NCN) <sub>3</sub> , predicted from first-principles investigations. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2021, .	0.7	0