

Chong Wang

List of Publications by Year in descending order

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27
papers

475
citations

840776

11
h-index

713466

21
g-index

27
all docs

27
docs citations

27
times ranked

903
citing authors

#	ARTICLE	IF	CITATIONS
1	Screening of transition metal single atom catalysts supported on B36 cluster for nitrogen fixation. International Journal of Hydrogen Energy, 2022, 47, 5281-5291.	7.1	4
2	The effect of charge on the dihydrogen storage capacity of Sc ₂ C ₆ H ₆ . International Journal of Hydrogen Energy, 2021, 46, 955-966.	7.1	7
3	Functional understanding of secondary cell wall cellulose synthases in <i>Populus trichocarpa</i> via the Cas9/gRNA-induced gene knockouts. New Phytologist, 2021, 231, 1478-1495.	7.3	26
4	Stability and Hydrogen Storage Properties of M _x -B ₆ H ₆ Complexes (M = Y, Mo, Ru, Ag, x = 1-2). ACS Sustainable Chemistry and Engineering, 2021, 9, 10868-10881.	6.7	3
5	Conversion of dinitrogen to ammonia by rhenium doped graphyne. International Journal of Hydrogen Energy, 2021, 46, 33409-33419.	7.1	5
6	A theoretical research of dihydrogen storage in Sc _x N _y (x+y=4) compounds. International Journal of Hydrogen Energy, 2020, 45, 4693-4702.	7.1	0
7	Li center clusters MLi ₄ ⁺ (M = Al, Si, Ge) for dihydrogen storage. International Journal of Hydrogen Energy, 2020, 45, 24968-24979.	7.1	6
8	The theoretical research of hydrogen storage capacities of Cu ₃ B _x (X=1-4) compounds under ambient conditions. International Journal of Hydrogen Energy, 2020, 45, 24947-24957.	7.1	2
9	Genome-wide characterization of aspartic protease (AP) gene family in <i>Populus trichocarpa</i> and identification of the potential PtAPs involved in wood formation. BMC Plant Biology, 2019, 19, 276.	3.6	23
10	A theoretical study on cage-like clusters (C ₁₂ Ti ₆ and C ₁₂ Ti ₆ ⁺) for dihydrogen storage. International Journal of Hydrogen Energy, 2019, 44, 10763-10769.	7.1	6
11	Computational investigation of hydrogen storage on B ₅ V ₃ . Molecular Physics, 2018, 116, 1290-1296.	1.7	13
12	Computational investigation of hydrogen storage on B ₆ Ti ₃ ⁺ . International Journal of Hydrogen Energy, 2018, 43, 1658-1666.	7.1	16
13	Remarkable hydrogen storage on Sc ₂ B ₄₂ ⁺ cluster: A computational study. Vacuum, 2018, 149, 134-139.	3.5	7
14	Computational study on the interaction of nucleobases with boron-rich boron nitride nanotubes. International Journal of Quantum Chemistry, 2018, 118, e25757.	2.0	4
15	The noble gases adsorption on boron-rich boron nitride nanotubes: A theoretical investigation. Superlattices and Microstructures, 2017, 107, 97-103.	3.1	9
16	A theoretical study on the hydrogen storage properties of planar (AlN) _n clusters (n=3-5). Structural Chemistry, 2017, 28, 1717-1722.	2.0	7
17	Carbon dioxide capture by planar (AlN) _n clusters (n=3-5). Journal of Molecular Modeling, 2017, 23, 288.	1.8	1
18	Simple, rapid and efficient transformation of genotype Nisqually-1: a basic tool for the first sequenced model tree. Scientific Reports, 2017, 7, 2638.	3.3	50

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19	MERS-CoV virus-like particles produced in insect cells induce specific humoral and cellular immunity in rhesus macaques. <i>Oncotarget</i> , 2017, 8, 12686-12694.	1.8	126
20	Theoretical prediction of complexes with a sulfur-carbon triple bond: SCX ₂ ⁺ , SCXF ₂ ⁺ , and SCXF ₂ (X = Be, Mg, Ca). <i>Journal of Molecular Modeling</i> , 2016, 22, 78.	1.8	0
21	Characterization of the <i>Populus</i> PtrCesA4 promoter in transgenic <i>Populus alba</i> - <i>P. glandulosa</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2016, 124, 495-505.	2.3	10
22	Comparative proteomic analysis of <i>Populus trichocarpa</i> early stem from primary to secondary growth. <i>Journal of Proteomics</i> , 2015, 126, 94-108.	2.4	22
23	The Conserved Endoribonuclease YbeY Is Required for Chloroplast Ribosomal RNA Processing in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2015, 168, 205-221.	4.8	49
24	Structures and stability of SCBO ⁺ and SBCO ⁺ : prediction of very short yet classical triple bonding of sulfur. <i>Structural Chemistry</i> , 2014, 25, 1023-1031.	2.0	10
25	Catalytically healing the Stone-Wales defects in graphene by carbon adatoms. <i>Journal of Materials Chemistry A</i> , 2013, 1, 1885-1891.	10.3	30
26	Theoretical investigation on the healing mechanism of divacancy defect in graphene growth by reaction with ethylene and acetylene. <i>New Journal of Chemistry</i> , 2013, 37, 640-645.	2.8	24
27	Role of Hydrocarbon Radicals CH _x (x = 1, 2, 3) in Graphene Growth: A Theoretical Perspective. <i>ChemPhysChem</i> , 2012, 13, 774-779.	2.1	15