

Yafei Zhang

List of Publications by Year in descending order

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15
papers

322
citations

933447

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15
times ranked

210
citing authors

#	ARTICLE	IF	CITATIONS
1	Li decorated heteroborospherene C4B32 as high capacity and reversible hydrogen storage media: A DFT study. International Journal of Hydrogen Energy, 2022, 47, 11948-11954.	7.1	11
2	Hydrogen storage on superalkali NLi4 decorated $\hat{1}^2$ 12-borophene: A first principles insights. International Journal of Hydrogen Energy, 2022, 47, 14637-14645.	7.1	12
3	Study of the reversible hydrogen storage performance of Ti-decorated hexagonal B36 by DFT calculations with van der Waals corrections. International Journal of Hydrogen Energy, 2022, , .	7.1	10
4	Li decorated penta-silicene as a high capacity hydrogen storage material: A density functional theory study. International Journal of Hydrogen Energy, 2021, 46, 4188-4200.	7.1	29
5	Ti decorated B8 as a potential hydrogen storage material: A DFT study with van der Waals corrections. Chemical Physics Letters, 2021, 765, 138277.	2.6	13
6	A reversible hydrogen storage material of Li-decorated two-dimensional (2D) C4N monolayer: First principles calculations. International Journal of Hydrogen Energy, 2021, 46, 32936-32948.	7.1	41
7	The high capacity hydrogen storage material of Y-doped B40: A theoretical study. Chemical Physics Letters, 2020, 739, 136961.	2.6	22
8	An activated carbon cloth anode obtained with a fast molten salt method for high-performance supercapacitors. Journal of Alloys and Compounds, 2020, 838, 155695.	5.5	19
9	The study of gas X (X=H2O, CH4, O2) adsorbed low density poly(4-methyl-1-pentene) foam by molecular dynamics simulations. Physica B: Condensed Matter, 2019, 571, 112-117.	2.7	1
10	Hydrogen adsorption property of Na-decorated boron monolayer: A first principles investigation. Physica E: Low-Dimensional Systems and Nanostructures, 2019, 107, 170-176.	2.7	27
11	Hydrogen storage property of alkali and alkaline-earth metal atoms decorated C24 fullerene: A DFT study. Chemical Physics, 2018, 505, 26-33.	1.9	81
12	A novel hydrogen storage medium of Ca-coated B40: First principles study. International Journal of Hydrogen Energy, 2018, 43, 15338-15347.	7.1	30
13	First-principles study of hydrogen storage on Li 12 F 12 nano-cage. Chemical Physics Letters, 2017, 672, 105-111.	2.6	10
14	First-principles study of Li decorated coronene graphene. International Journal of Modern Physics B, 2017, 31, 1750216.	2.0	3
15	Hydrogen Storage on Li Coated $\langle \text{BC} \rangle_3$ Honeycomb Sheet. Chinese Journal of Chemistry, 2017, 35, 1329-1332.	4.9	13