

Yafei Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

322
citations

933447

10
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

210
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen storage property of alkali and alkaline-earth metal atoms decorated C ₂₄ fullerene: A DFT study. <i>Chemical Physics</i> , 2018, 505, 26-33.	1.9	81
2	A reversible hydrogen storage material of Li-decorated two-dimensional (2D) C ₄ N monolayer: First principles calculations. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 32936-32948.	7.1	41
3	A novel hydrogen storage medium of Ca-coated B ₄₀ : First principles study. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 15338-15347.	7.1	30
4	Li decorated penta-silicene as a high capacity hydrogen storage material: A density functional theory study. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 4188-4200.	7.1	29
5	Hydrogen adsorption property of Na-decorated boron monolayer: A first principles investigation. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 107, 170-176.	2.7	27
6	The high capacity hydrogen storage material of Y-doped B ₄₀ : A theoretical study. <i>Chemical Physics Letters</i> , 2020, 739, 136961.	2.6	22
7	An activated carbon cloth anode obtained with a fast molten salt method for high-performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2020, 838, 155695.	5.5	19
8	Hydrogen Storage on Li Coated $\langle \text{sc} \rangle \text{BC} \langle \text{sub} \rangle 3 \langle \text{/sub} \rangle \langle \text{/sc} \rangle$ Honeycomb Sheet. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1329-1332.	4.9	13
9	Ti decorated B ₈ as a potential hydrogen storage material: A DFT study with van der Waals corrections. <i>Chemical Physics Letters</i> , 2021, 765, 138277.	2.6	13
10	Hydrogen storage on superalkali NLi ₄ decorated $\hat{1}^2$ 12-borophene: A first principles insights. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 14637-14645.	7.1	12
11	Li decorated heteroborospherene C ₄ B ₃₂ as high capacity and reversible hydrogen storage media: A DFT study. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 11948-11954.	7.1	11
12	First-principles study of hydrogen storage on Li ₁₂ F ₁₂ nano-cage. <i>Chemical Physics Letters</i> , 2017, 672, 105-111.	2.6	10
13	Study of the reversible hydrogen storage performance of Ti-decorated hexagonal B ₃₆ by DFT calculations with van der Waals corrections. <i>International Journal of Hydrogen Energy</i> , 2022, , .	7.1	10
14	First-principles study of Li decorated coronene graphene. <i>International Journal of Modern Physics B</i> , 2017, 31, 1750216.	2.0	3
15	The study of gas X (X=H ₂ O, CH ₄ , O ₂) adsorbed low density poly(4-methyl-1-pentene) foam by molecular dynamics simulations. <i>Physica B: Condensed Matter</i> , 2019, 571, 112-117.	2.7	1