

Alexandre Lebon

List of Publications by Year in descending order

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11
papers

223
citations

1162367

8
h-index

1281420

11
g-index

11
all docs

11
docs citations

11
times ranked

219
citing authors

#	ARTICLE	IF	CITATIONS
1	Ti-decorated zigzag graphene nanoribbons for hydrogen storage. A van der Waals-corrected density-functional study. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 4960-4968.	3.8	65
2	Li-decorated Pmmn8 phase of borophene for hydrogen storage. A van der Waals corrected density-functional theory study. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 1021-1033.	3.8	35
3	Insulating or Metallic: Coexistence of Different Electronic Phases in Zinc Clusters. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2111-2115.	7.2	23
4	Molecular hydrogen uptake by zigzag graphene nanoribbons doped with early 3d transition-metal atoms. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 8872-8880.	3.8	22
5	A new magnetic superatom: Cr@Zn ₁₇ . <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28033-28043.	1.3	17
6	Ab initio study of lithium decoration of popgraphene and hydrogen storage capacity of the hybrid nanostructure. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 15724-15737.	3.8	16
7	Are zinc clusters really amorphous? A detailed protocol for locating global minimum structures of clusters. <i>Nanoscale</i> , 2018, 10, 19162-19181.	2.8	15
8	Hydrogen storage capacity of Li-decorated borophene and pristine graphene slit pores: A combined ab initio and quantum-thermodynamic study. <i>Applied Surface Science</i> , 2021, 562, 150019.	3.1	15
9	Nanoscale reactivity of Zn x Mg 20 ⁺ x investigated by structural and electronic indicators. <i>Corrosion Science</i> , 2017, 124, 35-45.	3.0	6
10	Why are Zn-rich Zn-Mg nanoalloys optimal protective coatings against corrosion? A first-principles study of the initial stages of the oxidation process. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 24685-24698.	1.3	5
11	Improvement of hydrogen uptake in iron and vanadium matrices by doping with 3d atomic impurities. <i>Journal of Alloys and Compounds</i> , 2012, 545, 19-27.	2.8	4