Alexandre Lebon

List of Publications by Year
in descending order

11	223	1162367 8	1281420 11
papers	citations	h-index	g-index

11	11	11	219
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ab initio study of lithium decoration of popgraphene and hydrogen storage capacity of the hybrid nanostructure. International Journal of Hydrogen Energy, 2021, 46, 15724-15737.	3.8	16
2	Hydrogen storage capacity of Li-decorated borophene and pristine graphene slit pores: A combined ab initio and quantum-thermodynamic study. Applied Surface Science, 2021, 562, 150019.	3.1	15
3	Why are Zn-rich Znâ€“Mg nanoalloys optimal protective coatings against corrosion? A first-principles study of the initial stages of the oxidation process. Physical Chemistry Chemical Physics, 2021, 23, 24685-24698.	1.3	5
4	Li-decorated Pmmn8 phase of borophene for hydrogen storage. A van der Waals corrected density-functional theory study. International Journal of Hydrogen Energy, 2019, 44, 1021-1033.	3.8	35
5	Are zinc clusters really amorphous? A detailed protocol for locating global minimum structures of clusters. Nanoscale, 2018, 10, 19162-19181.	2.8	15
6	Nanoscale reactivity of Zn x Mg 20â^'x investigated by structural and electronic indicators. Corrosion Science, 2017, 124, 35-45.	3.0	6
7	A new magnetic superatom: Cr@Zn₁₇. Physical Chemistry Chemical Physics, 2015, 17, 28033-28043.	1.3	17
8	Insulating or Metallic: Coexistence of Different Electronic Phases in Zinc Clusters. Angewandte Chemie - International Edition, 2015, 54, 2111-2115.	7.2	23
9	Ti-decorated zigzag graphene nanoribbons for hydrogen storage. A van der Waals-corrected density-functional study. International Journal of Hydrogen Energy, 2015, 40, 4960-4968.	3.8	65
10	Molecular hydrogen uptake by zigzag graphene nanoribbons doped with early 3d transition-metal atoms. International Journal of Hydrogen Energy, 2013, 38, 8872-8880.	3.8	22
11	Improvement of hydrogen uptake in iron and vanadium matrices by doping with 3d atomic impurities. Journal of Alloys and Compounds, 2012, 545, 19-27.	2.8	4