

Xu Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Insights into the effect of nitrogen-doped nanopores on the desolvation of solvated Li ⁺ and Na ⁺ structures in aqueous solutions: A first-principles study. <i>Applied Surface Science</i> , 2022, 574, 151374.	6.1	2
2	Effect of pore structures on desolvation of carbon materials as the electrode materials of supercapacitors: A first-principles study. <i>Computational Materials Science</i> , 2022, 202, 110983.	3.0	10
3	Insights into the effect of hydroxyl-, epoxy-, and carboxyl-pores on the desolvation of K ⁺ with water as a solvent: a first-principles study. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 445201.	1.8	4
4	Understanding the anchoring and catalytic effect of the Co@C ₂ N monolayer in lithium-selenium batteries: a first-principles study. <i>Nanoscale</i> , 2021, 13, 16316-16323.	5.6	10
5	Unraveling the superior anchoring of lithium polyselenides to the confinement bilayer C ₂ N: an efficient host material for lithium-selenium batteries. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 26981-26989.	2.8	7
6	Effect of phosphorous-doped graphitic carbon nitride on electrochemical properties of lithium-sulfur battery. <i>Ionics</i> , 2020, 26, 5491-5501.	2.4	17
7	Insights into the effect of the interlayer spacings of bilayer graphene on the desolvation of H ⁺ , Li ⁺ , Na ⁺ , and K ⁺ ions with water as a solvent: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23697-23704.	2.8	9
8	Polysulfide intercalation in bilayer-structured graphitic C ₃ N ₄ : a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 32708-32714.	2.8	19