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College: Faculty of Chemistry

Department: Physical Chemistry

Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
(not set)	(not set)	Certain	Full Time	

Papers in Journals

1. Z. Mirzaie, A. Reisi ,& Vanani, M. Barati, S.M. Atyabi, The drug release kinetics and anticancer activity of the GO/PVA-curcumin nanostructures: The effects of the preparation method and the GO amount, *Journal of Pharmaceutical Sciences*, 4 4 2021.
2. M.H. Darvishnejad , A. Reisi , Vanani, DFT-D3 calculations of the charge-modulated CO₂ capture of N/Sc-embedded graphyne: Compilation of some factors, *Journal of CO₂ Utilization*, 29 1 2021.
3. M.H. Darvishnejad , A. Reisi , Vanani, Synergetic effects of metals in graphyne 2D carbon structure for high promotion of CO₂ capturing, *Chemical Engineering Journal*, 27 8 2020.
4. M. Ebadi , A. Reisi , Vanani, Methanol and carbon monoxide sensing and capturing by pristine and Ca-decorated graphdiyne: A DFT-D2 study, *Physica E: Low-dimensional Systems and Nanostructures*, 24 8 2020.
5. Teymourinia, Hakimeh et al., GQDs/Sb₂S₃/TiO₂ as a co-sensitized in DSSs: Improve the power conversion efficiency of DSSs through increasing light harvesting by using as-synthesized nanocomposite and mirror, *Applied Surface Science*, No. 512, pp. 145638, 2020 5 15.
6. Mofidi, Fatemeh , Reisi , Vanani, Adel, Investigation of the electronic and structural properties of graphyne oxide toward CO, CO₂ and NH₃ adsorption: A DFT and MD study, *Applied Surface Science*, No. 507, pp. 145134, 2020 3 30.
7. Z. Tabandeh, A. Reisi ,& Vanani, Investigation of the adsorption behavior of two anticancer drugs on the pristine and BN-doped graphdiyne nanosheet: A DFT-D3 perception, *Diamond and Related Materials*, 12 5 2021.