



## Adel Reisi Vanani

Professor

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.