

Accepted Manuscript

Title: Effects of oxygen functional complexes on arsenic adsorption over carbonaceous surface

Authors: Zhengyang Gao, Minghui Li, Yao Sun, Weijie Yang

PII: S0304-3894(18)30707-6
DOI: <https://doi.org/10.1016/j.jhazmat.2018.08.029>
Reference: HAZMAT 19653



To appear in: *Journal of Hazardous Materials*

Received date: 19-5-2018
Revised date: 7-8-2018
Accepted date: 9-8-2018

Please cite this article as: Gao Z, Li M, Sun Y, Yang W, Effects of oxygen functional complexes on arsenic adsorption over carbonaceous surface, *Journal of Hazardous Materials* (2018), <https://doi.org/10.1016/j.jhazmat.2018.08.029>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Effects of oxygen functional complexes on arsenic adsorption over carbonaceous surface

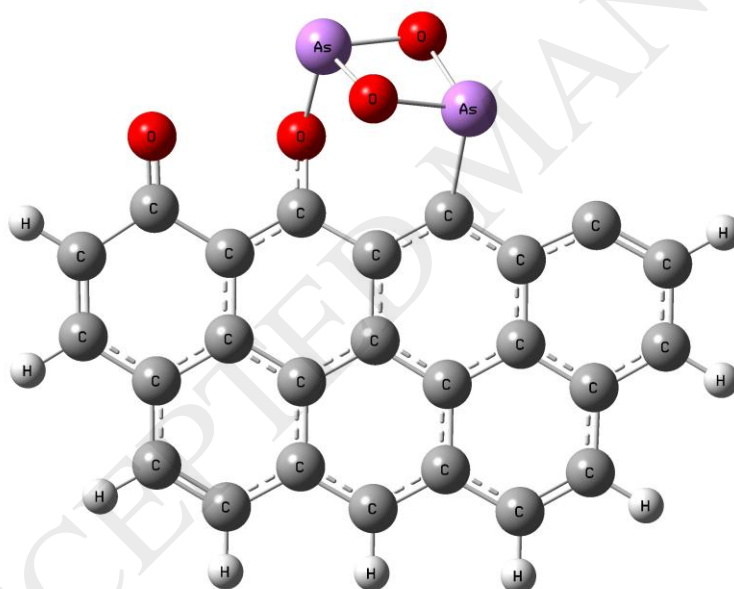
Zhengyang Gao, Minghui Li, Yao Sun, Weijie Yang *

School of Energy and Power Engineering, North China Electric Power University, Baoding 071003, China

Corresponding author.

E-mail address: lmhzhm080@gamil.com (Minghui Li)

Graphical abstract



Highlights:

- Zigzag model is quite suitable to be modified as a carbonaceous sorbent.
- Effect order on arsenic adsorption: phenol>lactone>carbonyl>semiquinone>carboxyl.

Download English Version:

<https://daneshyari.com/en/article/11003009>

Download Persian Version:

<https://daneshyari.com/article/11003009>

[Daneshyari.com](https://daneshyari.com)