

عنوان مقاله:

An artificial neural network-based method to predict adsorption of heavy metal ions from aqueous solutions

محل انتشار:

هفتمین کنگره ملی مهندسی شیمی (سال: 1390)

تعداد صفحات اصل مقاله: 7

نویسندگان:

j sayyad amin - *Chemical Engineering department, University of Guilan, Rasht ۴۱۶۳۵- ۳۷۵۶, IRAN*

h heshmati - *Chemical Engineering department, University of Guilan, Rasht ۴۱۶۳۵- ۳۷۵۶, IRAN*

خلاصه مقاله:

In this study, Artificial Neural Network (ANN) was developed to predict adsorption and removal percent of some metal ions on activated carbon prepared from apricot stone (ASAC). The ANN which was used, is a perceptron feed forward network that has two layers with 10 and 1 neuron(s) in the first and second layer, respectively. According to reported errors, the estimated/predicted values of ANN had a good agreement with experimental data.

کلمات کلیدی:

Adsorption, Neural Network, Removal percent, Metal ions

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/340913>

