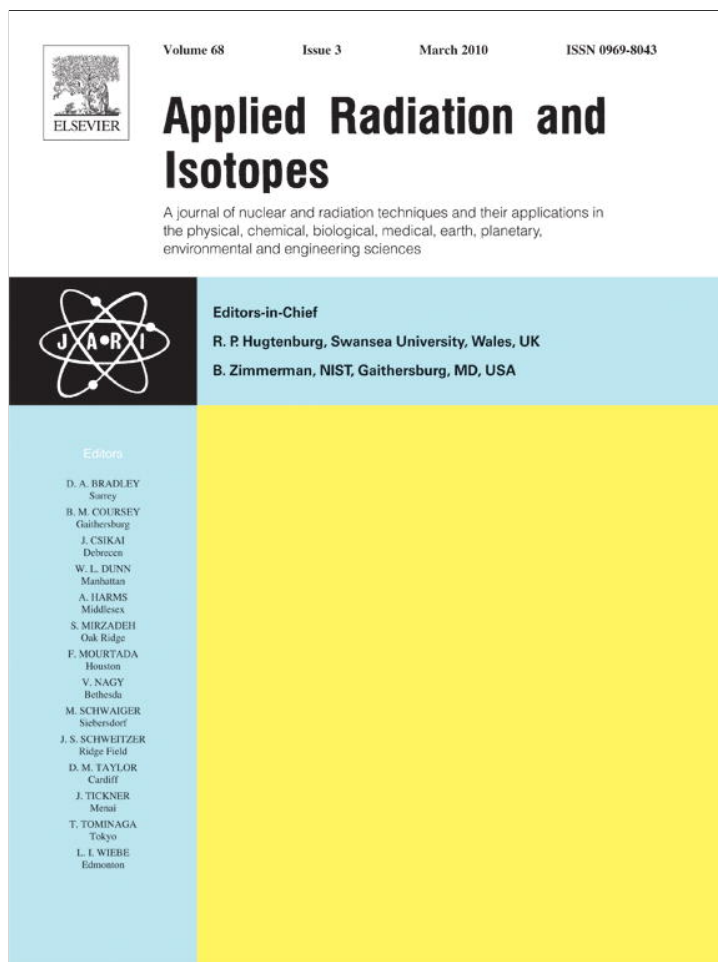


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Letter to the Editor

Comments on “effect of pH, ionic strength and temperature on the sorption of radionickel on Na-montmorillonite”

Recently, Song et al. (2009) published the paper entitled as above. In Section 3.2, Adsorption kinetics, the authors mentioned, “To analyze the sorption rate of Ni(II) onto montmorillonite, a pseudo-second-order rate equation was used to simulate the kinetic sorption (Chen and Wang, 2006; Benguella and Benaissa, 2002).” In fact, this kinetic model has been published already in 1996 (Ho et al., 1996). A modified model has also been presented in the following years because a mistake was included in the first paper published in 1996 (Ho and McKay, 1998). Moreover, applications of second-order kinetic models to adsorption systems were recently reviewed in detail (Ho, 2006). However the mistake in the model was still duplicated in some adsorption systems, for example, adsorption of Ni²⁺ on Na-rectorite (Tan et al., 2008) and on attapulgites (Fan et al., 2008), adsorption of Ni(II) (Chen and Wang, 2006), Th(IV) (Chen et al., 2007), and Pb(II) (Xu et al., 2008) on oxidized multi-wall carbon nanotubes; as well as adsorption of cadmium by chitin (Benguella and Benaissa, 2002). In order to correct the mistake, a comment has been made with Benguella and Benaissa’s paper published in 2002 (Ho, 2004). This type of mistake would not be occurred when authors have more details about the model from the original paper (Benaissa, 2004).

I suggest that Song et al. cite the original or the most frequently cited papers for the kinetic model to have more accuracy and information about kinetic expression.

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