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Erratum

Erratum to "Supercritical water oxidation of *o*-dichlorobenzene: Degradation studies and simulation insights" [J. Supercrit. Fluids 37 (2006) 94–101]

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In Fig. 5 of our original paper we have erroneously displayed the wrong set of experimental values for the reaction of hydroxyl radical with nitrobenzene. The correct data is shown in Fig. 1. The calculated values for the diffusion-controlled limit of the reaction of phenol with hydroxyl radical, k_{diff}, agree qualitatively well with the experimental values for the reaction of hydroxyl radical with nitrobenzene [1], k_{bi}, as both show dramatic increase near the critical point of water, Fig. 1. Our mistake does not affect our main conclusion, which states that high diffusivity of the reacting species in supercritical water is one of the main factors responsible for high degradation potency of SCWO technology.

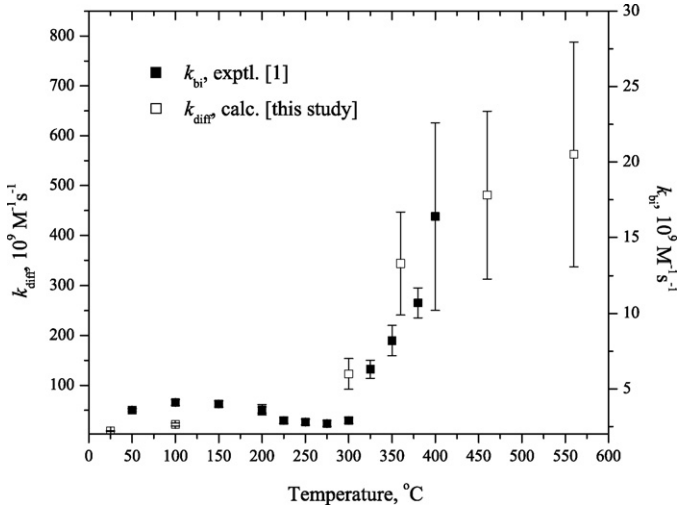

Fig. 1. Second-order rate constant, k_{bi}, for the reaction of hydroxyl radical with nitrobenzene and the diffusion-controlled limit, k_{diff}, of the reaction of hydroxyl radical with phenol.

Reference

[1] T.M. Martin, J.A. Cline, K. Takahashi, D.M. Bartels, C.D. Jonah, Pulse radiolysis of supercritical water. 2. Reaction of nitrobenzene with hydrated electrons and hydroxyl radicals, J. Phys. Chem. A 106 (2002) 12270.

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