

Supplementary Information

Controllable Synthesis of Zn-Doped α -Fe₂O₃ Nanowires for H₂S Sensing

Kefeng Wei ¹, Sikai Zhao ^{2,*}, Wei Zhang ², Xiangxi Zhong ² and Tingting Li ², Baoyu Cui ², Shuling Gao ², Dezhou Wei ² and Yanbai Shen ^{2,*}

¹ Shen Kan Engineering and Technology Corporation, MCC., Shenyang, 110169, China

² School of Resources and Civil Engineering, Northeastern University, Shenyang, 110819, China

* Correspondence: zhaosikai@stumail.neu.edu.cn (S.Z.); shenyanbai@mail.neu.edu.cn (Y.S.); Tel.: +86-24-8368-7381 (Y.S.)

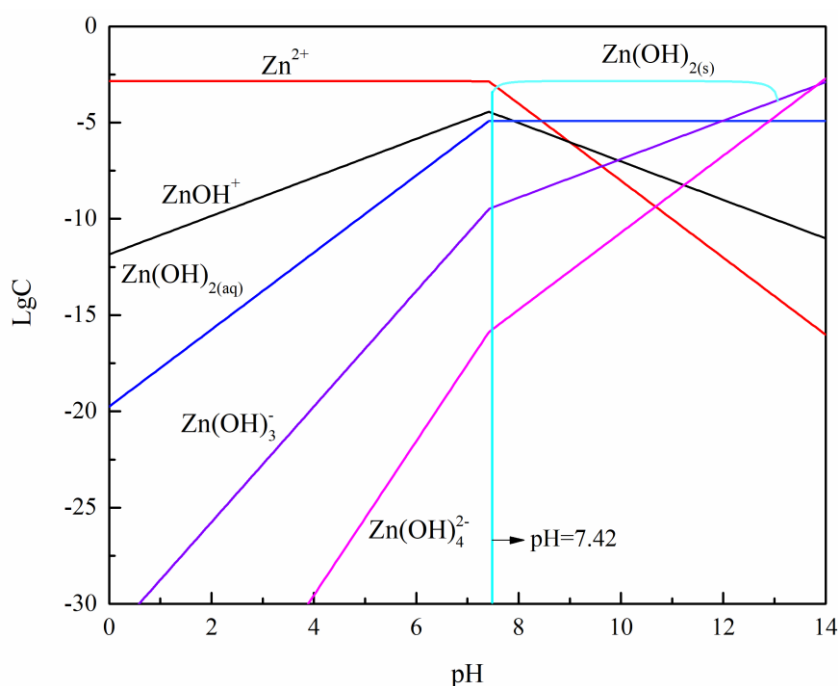


Figure S1. Concentration logarithmic diagram of Fe³⁺ hydrolysis components (Fe³⁺: 0.14mol/L).

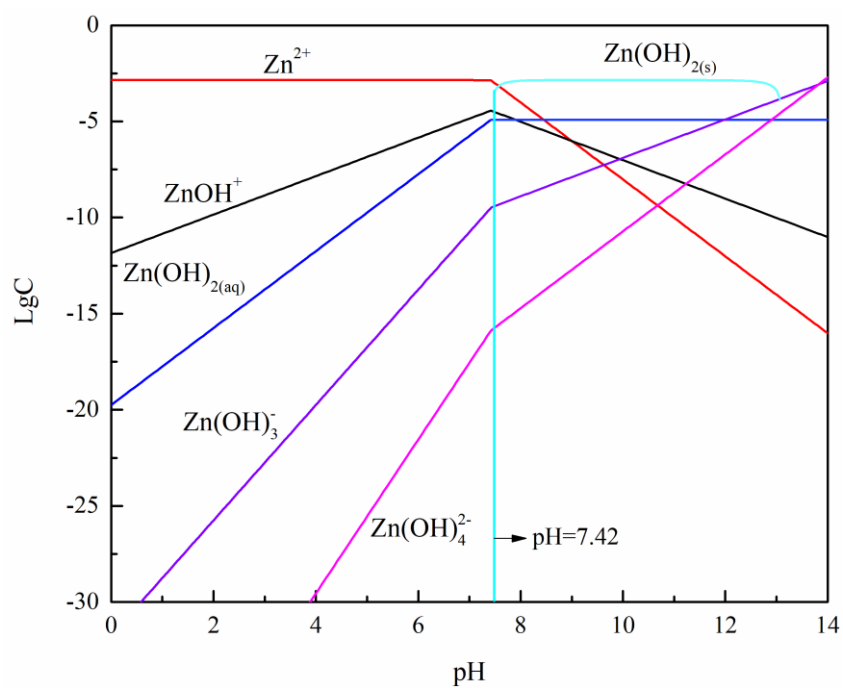


Figure S2. Concentration logarithmic diagram of Zn²⁺ hydrolysis components (Zn²⁺: 1.4×10⁻³ mol/L).