

54 Prof. Yanxin Wang



Name: Yanxin Wang

Organization: China University of Geosciences, Wuhan, China

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Education

B.A., Hydrogeology and Engineering Geology, Nanjing University, Nanjing, China, 1984

Ph.D. Hydrogeology and Engineering Geology, China University of Geosciences, Wuhan, China, 1990

Work Experience

Lecturer, University of Science and Technology of China, 2001-2003

Associate Professor, University of Science and Technology of China, 2004-2007

Professor, University of Science and Technology of China, 2008-present

Research Interests

Hydrogeochemistry, water pollution control, prevention of groundwater pollution

Committee Responsibilities and Professional Activities

Vice President of International hydrogeologist association (China) committee,

Member of international association of geochemistry (water rock interaction group),

Deputy director of Geological Society of China (hydrogeology group)

Major Publications

Genesis of thermal groundwaters from Siping'an district, China. *Applied Geochemistry*, 1997, vol.12, p.437-445

Remediation of high-fluoride groundwaters using heat-treated soils. In: proceedings of the 9th International Symposium on Water-Rock Interactions, Rotterdam: A.A. Balkema, 1998

Hydrochemical metamorphism of karst springs induced by anthropogenic processes: a case study in Niangziguan, China. In: *Engineering Geology and the Environment*, Rotterdam: A.A. Balkema, 1997

Li, J., Wang, Y., & Xie, X. (2016). Cl/Br ratios and chlorine isotope evidences for groundwater salinization and its impact on groundwater arsenic, fluoride and iodine enrichment in the Datong basin, China. *Science of the Total Environment*, 544, 158-167.

Gao, X., Hu, Y., Li, C., Chong, D., Liang, L., & Xiong, O., et al. (2016). Evaluation of fluorine release from air deposited coal spoil piles: a case study at Yangquan city, northern China. *Science of the Total Environment*, 545-546, 1-10.

Li, C., Liu, T., Xu, S., Gao, X., & Wang, Y. (2016). Groundwater salinization in shallow aquifers adjacent to a low-altitude inland salt lake: a case study at Yuncheng basin, northern China. *Environmental Earth Sciences*, 75(5), 1-14.

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- Huang, S., Wang, Y., Teng, M., Wang, Y., & Long, Z. (2016). Fluorescence spectroscopy reveals accompanying occurrence of ammonium with fulvic acid-like organic matter in a fluvio-lacustrine aquifer of jianhan plain. *Environmental Science & Pollution Research*, 23(9), 8508-8517.
- Pi, K., Wang, Y., Xie, X., Ma, T., Su, C., & Liu, Y. (2016). Role of sulfur redox cycling on arsenic mobilization in aquifers of datong basin, northern china. *Applied Geochemistry*.
- Zhou, J., Ping, L., Nostrand, J. D. V., Ping, Z., Zhou, J., & Wang, Y., et al. (2016). Microbial communities and arsenic biogeochemistry at the outflow of an alkaline sulfide-rich hot spring. *Scientific Reports*, 6.
- Sun, Z., Ma, R., Wang, Y., Ma, T., & Liu, Y. (2016). Using isotopic, hydrogeochemical-tracer and temperature data to characterize recharge and flow paths in a complex karst groundwater flow system in northern china. *Hydrogeology Journal*, 1-20.
- Jiang, Z., Li, P., Jiang, D., Dai, X., Zhang, R., & Wang, Y., et al. (2016). Microbial community structure and arsenic biogeochemistry in an acid vapor-formed spring in tengchong geothermal area, china. *Plos One*, 11(1).
- Chen, L., Ma, T., Du, Y., Xiao, C., Chen, X., & Liu, C., et al. (2016). Hydrochemical and isotopic (^2H , ^{18}O and ^{37}Cl) constraints on evolution of geothermal water in coastal plain of southwestern guangdong province, china. *Journal of Volcanology & Geothermal Research*, 318, 45-54.