

# 1-5 Prof. Zhang Wen



Name: Zhang Wen

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## Education

B.A. Water Resources and Hydropower Engineering, China Agricultural University, Beijing, China, 2000.9-2004.6

Ph.D. Soil and Water Conservation Engineering, China Agricultural University, Beijing, China, 2004.9-2009.6

## Work Experience

Lecturer, China University of Geosciences, Wuhan, China 2009-2011

Associate Professor, China University of Geosciences, Wuhan, China, 2011-2014

Professor, U China University of Geosciences, Wuhan, China, 2014-present

## Research Interests

Non-darcy seepage of groundwater and solute transport

Evaluation of groundwater resources, Evaluation of groundwater pollution

Water dynamic problems in low permeability media

Groundwater and solute transport numerical simulation technology and application

## Services & Awards

Board Member: Journal of Hydrology, Advances in Water Resources, Hydrogeology Journal

## Major Publications

Wen, Z., Liu, Z., Jin, M., and Zhan, H., Numerical modeling of Forchheimer flow to a pumping well in a confined aquifer using strong-form mesh-free method, *Hydrogeology Journal*, 22 (5), 1207-1215, 2014.

Wen, Z., Liu, K., and Zhan, H., Non-Darcian flow toward a large-diameter partially penetrating well in a confined aquifer. *Environmental Earth Sciences*, 72(11), 4617-4625, 2014.

Wen, Z., Liu, K., and Chen, X. Approximate analytical solutions for non-Darcian flow toward a partially penetrating well in a confined aquifer, *Journal of Hydrology*, 498, 124-131, 2013.

Wen, Z., Wang, Q. Approximate analytical and numerical solutions for Radial non-Darcian Flow to a Well in a Leaky Aquifer with wellbore storage and skin effect. *International Journal for Numerical and Analytical Methods in Geomechanics*. 37, 1453-1469, 2013

Wen Z., Huang, G., and Zhan, H. Constant-head test in leaky aquifers with a finite-thickness skin. *Journal of Hydrology*, 399, 326-334, 2011.

Wen Z., Huang, G., and Zhan, H. Non-Darcian flow to a well in leaky aquifers using the Forchheimer equation. *Hydrogeology Journal*, 19, 563-572, 2011.

Wen, Z., Huang, G., and Zhan, H. Solutions for non-Darcian flow to an extended well in fractured

- rock, *Ground Water*, 49(2), 280-285, 2011.
- Zhan, H., Wen, Z., Huang, G., Sun, D. Two-dimensional solute transport in an aquitard-aquifer system, *Journal of Contaminant Hydrology*, 107, 162-174, 2009.
- Zhan, H., Wen, Z., Gao, G. An analytical solution of two-dimensional reactive solute transport in an aquifer-aquitard system. *Water Resources Research*, 45, doi: 10.1029/2008WR007479, 2009.
- Wen, Z., Huang, G., and Zhan, H. A numerical solution for non-Darcian flow to a well in a confined aquifer using the power law function, *Journal of Hydrology*, 364, 99-106, 2009.
- Wen, Z., Huang, G., and Zhan, H. Non-Darcian flow to a well in an aquifer-aquitard system, *Advances in Water Resources*, 31, 1754-1763, 2008.
- Wen, Z., Huang, G., Zhan, H., and Li, J. Two-region non-Darcian flow toward a well in a confined aquifer, *Advances in Water Resources*, 31, 818-827, 2008.
- Wen, Z., Huang, G., and Zhan, H. Non-Darcian Flow toward a finite-diameter vertical well in a confined aquifer, *Pedosphere*, 18(3), 288-303, 2008.
- Wen, Z., Huang, G., and Zhan, H. An analytical solution for non-Darcian flow in a confined aquifer using the power law function, *Advances in Water Resources*, 31, 44-55, 2008.
- Wen, Z., Huang, G., Zhan, H. Non-Darcian flow in a single confined vertical fracture toward a well, *Journal of Hydrology*, 330, 698-708, 2006.