

# Curriculum Vitae

**Name:** Guanghui Tao 陶广慧

**Gender:** Female

**Date of Birth:** September 09, 1994

**Place of Birth:** Linquan

**Home Address:** Taolao Village, Linquan, China

**Mobile Phone:** +8618260050550

**E-mail:** 1576235220@qq.com tao.guanghui@qq.com taoguanghui09@163.com

## Education

2017.09-2020.06 Hohai University, Nanjing, China

**M.Eng.** in Structural Engineering

2013.09-2017.06 Hunan University of Science and Technology, Xiangtan, China

**B.ENG.** in Civil Engineering

## Awards

1. The Third Academic Scholarship, Hohai University, 2019.
2. The Second Academic Scholarship, Hohai University, 2018.
3. The First Academic Scholarship, Hohai University, 2017.
4. Outstanding Graduate, Xiangtan, China, 2017.
5. National Encouragement Scholarship, Hunan University of Science and Technology, 2014~2016.

## Publications

[1] Lin Liu, Guanghui Tao, Huisu Chen, Zhigang Zhu. Shape effect of cement particles on the ionic diffusivity of hardened cement paste—a three-dimensional numerical investigation [J]. Construction and Building Materials, 2020, 250:118736.

DOI: [10.1016/j.conbuildmat.2020.118736](https://doi.org/10.1016/j.conbuildmat.2020.118736)

[2] Lin Liu, Gang Qin, Sannan Qin, Guanghui Tao. Simulation of the volumetric deformation and changes in the pore structure of unsaturated cement-based materials subjected to freezing/thawing [J]. Construction and Building Materials, 2020, 230: 116964.

DOI: [10.1016/j.conbuildmat.2019.116964](https://doi.org/10.1016/j.conbuildmat.2019.116964)

[3] Guanghui Tao, Lin Liu, Gang Qin, Xiaquan Xu. The Effect of Calcium Leaching on the Chloride Diffusivity of Hydrated Tricalcium Silicate Pastes [C]//IOP Conference Series: Materials Science and Engineering. IOP Publishing, 2019, 592(1): 012035.

DOI: [10.1088/1757-899x/592/1/012035](https://doi.org/10.1088/1757-899x/592/1/012035)

[4] Lin Liu, Guanghui Tao, Danya Song, Xiaquan Xu. Device and method to measure the chloride diffusion coefficient of calcium silicate hydrate, Chinese patent for invention, 201810731364.5.