

杨荣伟 副教授 的个人资料

姓名（中文/汉语拼音） 杨荣伟 /Rongwei Yang
职称 副教授
职务
导师资格 硕导
所在系、所 建工学院土木工程系
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主要研究方向:

- 1、 孔隙材料（水泥基材料，页岩）的微细观孔隙力学建模和多尺度模拟
- 2、 孔隙材料微观结构无损试验表征和微细观力学试验研究
- 3、 孔隙材料在多场耦合作用下的物理力学行为

Research Interests:

- 1、 Micromechanical and multi-scale modeling of transport/mechanical properties of porous materials (e.g., cement-based materials and claystone)
- 2、 Non-destructive experimental characterization of microstructure of porous materials and micromechanical experimental study of mechanical behavior of porous materials
- 3、 Multi-field and multi-physics coupling of physico-chemical-mechanical behavior of porous materials.

主要学历:

- 2009.11-2013.09: 法国国立路桥学校（东巴黎大学） 材料与结构专业 科学博士学位
2006.09-2009.07: 清华大学 土木工程 工学硕士学位
2000.09-2004.07: 福州大学 土木工程 工学学士学位

- 2009.11-2013.09: Ph.D in Materials and Structures, Ecole des Ponts, ParisTech, University of Paris-Est
2006.09-2009.07: M.Eng in Civil Engineering, Tsinghua University
2000.09-2004.07: B.Eng in Civil Engineering, Fuzhou University

主要学术经历:

- 2017.04-至今: 天津大学建工学院副教授
2013.12-2016.03: 清华大学土木系博士后

- 2017.04-present: Associate professor at School of Civil Engineering, Tianjin University
2013.12-2016.03: Postdoc at Department of Civil Engineering, Tsinghua University

主要讲授课程:

土木工程建筑材料

主要学术兼职:

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主要学术成就、奖励及荣誉:

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主要科研项目及角色:

国家自然科学基金项目: 干湿循环作用下水泥基孔隙材料硫酸盐结晶的试验和微细观力学研究 (51708404), 2018-2020, 项目负责人

Research Grants:

1. Micromechanical and experimental study of sulphate crystallization in cement-based materials subjected to wetting-drying cycles. National Natural Science Foundation of China, Grant No. 51708404 (2018-2020). PI.

代表性论文 / 论著及检索情况:

See (https://www.researchgate.net/profile/Rongwei_Yang4/contributions?ev=prf_act) for details.

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10. Han B, Zhang L, Zeng S, Dong S, Yu X, Yang R, OU J. Nano-core effect in nano-engineered cementitious composites. *Composites Part A: Applied Science and Manufacturing*, 2017, 95: 100-109.
9. Yang R, Li K, Wang L, et al. A micro-experimental insight into the mechanical behavior of sticky rice slurry-lime mortar subject to wetting-drying cycles. *Journal of Materials Science*, 2016, 51(18): 8422-8433.
8. Yang R, Zhang Z, Xie M, et al. Microstructural insights into the lime mortars mixed with sticky rice sol-gel or water: A comparative study. *Construction and Building Materials*, 2016, 125: 974-980.
7. Yang R, Lemarchand E, Fen-Chong T, et al. Prediction of permeability of monodisperse granular materials with a micromechanics approach. *Journal of Applied Geophysics*, 2016, 127: 82-90.
6. Wang L, Yang D, Yang R, et al. Investigating the mechanical behavior of shale: A micro-scale approach. *Journal of Natural Gas Science and Engineering*, 2016, 36: 1295-1302.
5. Yang R, Li K, Lemarchand E, et al. Micromechanics modeling the solute diffusivity of unsaturated granular materials. *International Journal of Multiphase Flow*, 2016, 79: 1-9.
4. Yang R, Lemarchand E, Fen-Chong T. A micromechanics model for solute diffusion coefficient in unsaturated granular materials. *Transport in Porous Media*, 2016, 111(2): 347-368.
3. Yang R, Lemarchand E, Fen-Chong T, et al. A micromechanics model for partial freezing in porous media. *International Journal of Solids and Structures*, 2015, 75: 109-121.
2. Yang R, Gui Q, Lemarchand E, Fen-Chong T, Li K. Micromechanical modeling of transport properties of cement-based composites: role of interfacial transition zone and air voids. *Transport in Porous Media*, 2015, 110(3): 591-611.
1. Yang R, Lemarchand E, Fen-Chong T, Li K. Micromechanics modeling the solute diffusion in unsaturated hardened cement paste. 4th RILEM International Symposium on Concrete Modelling (CONMOD 2014), Beijing, Oct 2014.

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