



宁宁 硕士生导师

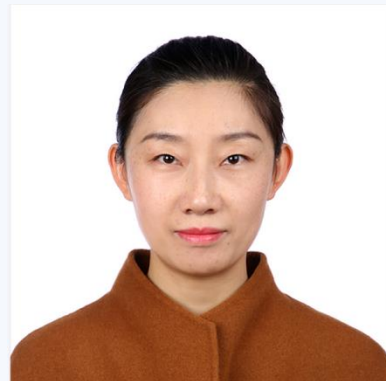
职 称： 副教授

职 务：

研究方向：混凝土结构抗震、既有结构低碳化性能提升、
保温高韧性材料、建筑储能材料、超材料混凝土

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个人简介

宁宁，博士，副教授，硕士生导师，主要从事钢筋混凝土结构抗震、既有结构低碳化性能提升、保温高韧性材料、建筑储能材料、超材料混凝土等。主持和参与国家自然科学基金、山东省自然科学基金、青岛市基金项目多项，发表论文 20 余篇，授权专利 5 项，参编行业标准 1 部。

学习经历

- 2001.09-2006.07, 青岛理工大学管理学院, 工程管理, 管理学学士
- 2006.09-2009.07, 青岛理工大学土木工程学院, 结构工程, 工学硕士
- 2009.09-2013.10, 同济大学土木工程学院, 结构工程, 工学博士
- 2013.04-2013.06, University of Tennessee, Knoxville, 访问学者
- 2018.03-2018.08, University of Tennessee, Knoxville, 访问学者

工作经历

- 2014.01-2017.12, 青岛理工大学土木工程学院, 讲师
- 2018.12-至今, 青岛理工大学土木工程学院, 副教授

教科研项目

- 2016.01-2018.12, “强梁弱柱”钢筋混凝土框架结构抗震性能评估, 国家自然科学基金青年项

目，主持

- 2019.08-2021.08，面向地震韧性社区建设的低损伤 RC 高层结构与评估，青岛市源头创新计划，参与
- 2017.01-2020.12，新型自复位不锈钢管中管混凝土-钢组合导管架海洋平台结构冰振性能与设计优化研究，国家自然科学基金面上项目，参与
- 2015.01-2018.12，可带更换式阻尼夹层的半通缝阻尼连梁抗震性能研究，国家自然科学基金面上项目，参与

学术成果

代表性著作、论文：

- [1] **Ning Ning**, Changyue Sun, Zhongguo John Ma, Siyao Guo, Shan Jiang, Jigang Zhang, Dianchao Hou, Ce Wang. A review of incorporating PCMs in various types of concrete: Thermal and mechanical properties, crack control, frost-resistance, and workability. *Journal of Energy Storage*, 114 (2025): 115814.
- [2] **Ning Ning**, Zhongguo John Ma, Jigang Zhang, Yue Ding. Seismic performance of RC frames with masonry infills retrofitted by precast ultra-lightweight insulated cementitious composites plates. *Materials and Structures*, (2024) 57:158.
- [3] **Ning Ning**, Zhongguo John Ma, Jigang Zhang, Shan Jiang. Study on properties of Ultra-Lightweight Insulated Cementitious Composites for concurrent seismic and energy improving of existing RC frames. *Structures*, 55 (2023): 2175–2185.
- [4] **Ning Ning**, Zhongguo John Ma, Pengpeng Zhang, Dehu Yu, Jianlang Wang. Influence of masonry infills on seismic response of RC frames under low frequency cyclic load. *Engineering Structures*, 183 (2019): 70–82.
- [5] **Ning Ning**, Dehu Yu, Chunwei Zhang, Shan Jiang. Pushover Analysis on Infill Effects on the Failure Pattern of Reinforced Concrete Frames. *Appl. Sci.*, 7 (2017): 428.
- [6] **Ning Ning**, Wenjun Qu, Zhongguo John Ma. Design recommendations for achieving “strong column-weak beam” in RC frames. *Engineering Structures*, 126 (2016): 343–352.
- [7] **Ning Ning**, Wenjun Qu, Peng Zhu. Role of cast-in situ slabs in RC frames under low frequency cyclic

load. *Engineering Structures*, 59 (2014): 28–38.

[8] Caiwei Liu, Jianxin Zheng, **Ning Ning**, Liangtai Yan, Chunying Zheng. Experimental study of bond performance of corroded reinforcement in concrete under various cooling methods. *Journal of Building Engineering*, 84 (2024): 108569.

[9] Shan Jiang, Changhai Zhai, Fuwei Zhang, **Ning Ning**, Jigang Zhang. Analysis of earthquake-induced pounding between adjacent buildings in a row. *BULLETIN OF EARTHQUAKE ENGINEERING*, 2024 22 (13): 6775-6798.

[10] Ben Mou, Yi Liu, Pan Wei, Fei Zhao, Wu Chenglong, **Ning Ning**. Numerical investigation and design method of bolted beam-column joint panel with eccentricity in beam depths. *Journal of Constructional Steel Research*, 180 (2021): 106568.

[11] Kwok L. Chung, Shushuai Xie, Mohamed Ghannam, Mengxin Guan, **Ning Ning**, Yuanyuan Li, Chunwei Zhang. Strengths Prediction and Correlation of Cement Composites: A Cross-disciplinary Approach. *IEEE Access*, 2019 (7): doi: 10.1109/ access.2019. 2908042.

[12] Shan Jiang, Changhai Zhai, Chunwei Zhang, **Ning Ning**. Analysis of seismic mid-column pounding between low rise buildings with unequal heights. *Earthquakes and Structures*, 2018, 15(4): 395-402.

代表性专利:

[1] 宁宁, 于德湖, 张春巍, 刘扬, 可更换阻尼填充墙, 2017-12-26, 中国, ZL201720629663.9.

[2] 宁宁, 于德湖, 张春巍, 蒋姗, 一种钢筋混凝土柱梁抗震节点, 2017-06-30, 中国, ZL201621451021.6.

[3] 宁宁, 张春巍, 于德湖, 许卫晓, 一种钢筋混凝土柱梁抗震节点, 2017-06-30, 中国, ZL201621451006.1.

[4] 宁宁, 于德湖, 王茜, 赵健生, 张鹏鹏, 王建亮, 王杰, 填充墙快速补强结构及方法, 2019-6-4, 中国, ZL201821669674.0.

荣誉奖励

- 国际期刊 *Journal of Structural Engineering*, *Journal of Bridge Engineering* 审稿人
- 第十四届山东省大学生科技文化艺术节大学生结构设计大赛优秀指导教师
- 第十四届山东省大学生科技文化艺术节大学生结构设计大赛二等奖 (指导教师)

