

个人简介

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学术头衔	1. 首届中国科协青年人才托举工程（博士生专项） 2. 《Cem. Concr. Res》、《Cem. Concr. Compos.》 《Constr. Build. Mater.》等领域权威期刊审稿人					
研究方向	3D打印混凝土流变性能、钢渣等固废资源化利用、先进高韧材料开发					
主要学习、科研和工作经历	2025.09 – 至今 郑州大学 水利与交通学院 副研究员 2022.03 – 2025.06 东南大学 材料科学与工程 博士（提前半年毕业） 2018.09 – 2021.06 中南大学 材料学 硕士 2014.09 – 2018.06 东北农业大学 农业水利工程 学士					
代表性科研成果	代表性论文： 已发表SCI、EI论文50余篇，其中以第一或通讯作者发表论文17篇，包括11篇SCI中科院1区TOP期刊论文，5篇发表于Cement and Concrete Research、Cement and Concrete Composites、硅酸盐学报。 [1] Zedi Zhang , Zijian Jia, Jinyan Shi, Yifan Jiang, Nemkumar Banthia, Yamei Zhang*, Clarifying and quantifying the driving force for the evolution of static yield stress of cement pastes, Cement and Concrete Research , 167 (2023) 107129. <div style="text-align: right;">(IF=13.1, 中科院一区TOP)</div> [2] Zedi Zhang , Zijian Jia, Ruilin Cao, Wei Wang, Chao Liu, Yueyi Gao, Nemkumar Banthia, Yamei Zhang*, Understanding the multiple actions of phosphoric acid-modified steel slag powder on early-age hydration of cement, Cement and Concrete Composites , 150 (2024) 105538. <div style="text-align: right;">(IF=13.1, 中科院一区TOP)</div> [3] Zedi Zhang , Yuanliang Xiong, Zijian Jia, Ruilin Cao, Yueyi Gao, Ippei Maruyama, Yamei Zhang*, Wei Wang**, In-situ wet carbonation of steel slag powder paste made with carbonated water: Interaction mechanism between carbonation and hydration, Cement and Concrete Composites , 152 (2024) 105677. <div style="text-align: right;">(IF=13.1, 中科院一区TOP)</div>					

[4] 张泽的, 贾子健, 贾鲁涛, 赵倚琳, 王伟, 张亚梅*, 陈宇**, 3D打印混凝土流变性能调控研究进展, **硅酸盐学报**, 2025.10.28.

(中文领军期刊, 无机非金属材料领域T1级期刊)

[5] **Zedi Zhang**, Jialei Wang, Jinyan Shi, Kaidong Han, Jia Xiao*, Understanding the effects of mix proportion parameters on the dynamic stability of ground limestone mortar based on the velocity of particle and paste film thickness, **Construction and Building Materials**, 330 (2022) 127246.

(IF=8.0, 中科院一区 TOP)

[6] **Zedi Zhang**, Jia Xiao*, Qing Zhang, Kaidong Han, Jialei Wang, Xiaoyan Hu, A state-of-the-art review on the stability of self-consolidating concrete, **Construction and Building Materials**, 268 (2021) 121099.

(IF=8.0, 中科院一区 TOP)

[7] **Zedi Zhang**, Jia Xiao*, Kaidong Han, Jialei Wang, Xiaoyan Hu, Study on the structural build-up of cement-ground limestone pastes and its micro-mechanism, **Construction and Building Materials**, 263 (2020) 120656.

(IF=8.0, 中科院一区 TOP)

[8] **Zedi Zhang**¹, Zijian Jia¹, Jinyan Shi, Yuanliang Xiong, Nemkumar Banthia, Yueyi Gao, Yamei Zhang*, Understanding the dynamic rheological property of cement paste blended with steel slag powder: From interparticle force and physico-chemical parameters of view, **Construction and Building Materials**, 422 (2024) 135826.

(IF=8.0, 中科院一区 TOP)

[9] Zijian Jia¹, **Zedi Zhang**¹, Lutao Jia, Ruilin Cao, Cheng Yu, Jinyao Yu, Yueyi. Gao, Yamei Zhang*. Effect of different expansive agents on the early age structural build-up process of cement paste, **Cement and Concrete Composites**, 144 (2023) 105282.

(共同一作) (IF=13.1, 中科院一区 TOP)

[10] Yuanliang Xiong, **Zedi Zhang***, Chao Zhang**, Jiamcun Xiao, Foam-stability enhancement in biochar-infused foam concrete: Analyzing ionic strength, interparticle distance, and water state, **Journal of cleaner production**, 443 (2024) 141231.

(IF=10.0, 中科院一区 TOP)

[11] Shunquan Zhang, Yifan Zhang, **Zedi Zhang***, Zijian Jia, Yilin Zhao, Tengfei Xiang, Minglei Guo, Zhong Lv, Depeng Chen, Beneficial regulation

of static yield stress evolution in cement-silica fume blended paste by ground steel slag, **Construction and Building Materials**, 497 (2025) 143968.

(IF=8.0, 中科院一区TOP)

[12] Taixu Chen, Yilin Zhao*, **Zedi Zhang***, Xinru Wang, Qinghan Zhang, Jiuan Chen, Jinwei Yu, Effects and mechanisms of binder composition and mixing time on segregation resistance in mortars, **Construction and Building Materials**, 518 (2026) 145815.

(IF=8.0, 中科院一区 TOP)

[13] Yilin Zhao, Zijian Jia, Shunquan Zhang, Yuanliang Xiong, Jinyan Shi, **Zedi Zhang***, Insights into the stirring rate on the rheological behavior of cement paste: Particle packing, ionic strength and hydration, **Case Studies in Construction Materials**, 22 (2025) e04619.

(IF=6.6, 中科院二区)

[14] Shunquan Zhang, Yilin Zhao, **Zedi Zhang***, Tengfei Xiang, Minglei Guo, Da Chen*, Unraveling the regulatory mechanism of limestone powder particle size and replacement level on rheology of cement paste, **Powder Technology**, 475 (2026) 122323.

(IF=4.6, 中科院二区)