

汤寄予

基本信息	男 汉族 1974年11月生人 2003年7月毕业于郑州大学获结构工程专业硕士学位 2013年7月毕业于郑州大学获结构工程专业博士学位	
研究领域	1. 智能建造新材料及新工艺 2. 超高性能混凝土材料及结构抗火	
招生专业	1. 结构工程 2. 土木工程（专业学位）	
承担项目	1. 河南省高等学校重点科研项目（15A560038） 2. 河南省教育厅科学技术研究重点项目（13B560373）	
科研奖励	1. 获2011年教育部科技进步奖一等奖：纤维聚合物增强与加固混凝土结构计算理论及其应用 2. 获2009年河南省科技进步奖二等奖：纤维混凝土与既有混凝土的粘结性能及施工技术	
论文论著	[1] Uniaxial compression performance and stress-strain constitutive model of the aluminate cement-based UHPC after high temperature. Construction and Building Materials, 2021, 309: 125173 [2] Experiment study on tensile properties of steel fiber reinforced mortar exposed to elevated temperatures. Materials and Structures, 2021, 54 (4): 136 [3] A Peridynamic Model for Dynamic Fracture of Layered Engineered Cementitious Composites. ACTA MECHANICA SOLIDA SINICA, 2022, 35(4): 661-671 [4] Property analysis and mixture design of high ductility cementitious composites with totally recycled fine aggregate based on target strength and strain capacity. Journal of Cleaner Production, 2022, 337: 130492 [5] Fatigue performance and stress range modeling of SFRC beams with high-strength steel bars. Engineering Structures, 2020, 216: 110706 [6] Shear behavior analysis and capacity prediction for the steel fiber reinforced concrete beam with recycled fine aggregate and recycled coarse aggregate. Structures, 2021, 37: 44-55 [7] Mechanical property evolution and chloride transport of steel fiber-reinforced concrete exposed to simulated marine environments. Materials and Structures, 2022, 55 (4): 130 [8] Relationship between sorptivity and capillary coefficient for water absorption of cement-based materials: theory analysis and experiment. Royal Society Open Science, 2019, 6 (6): 190112	

	<p>[9] Effect of ground granulated blast furnace slag on the properties of calcium sulfoaluminate cement. <i>Building Materials</i>, 2019, 227: 116665</p> <p>[10] Effects of Groove and Steel Fiber on Shear Properties of Concrete with Recycled Coarse Aggregate. <i>Materials</i>, 2020, 13 (20): 4537</p> <p>[11] Experimental Study of Utilizing Recycled Fine Aggregate for the Preparation of High Ductility Cementitious Composites. <i>Materials</i>, 2020, 13 (3): 679</p> <p>[12] Dynamic Fracture Simulation of Functionally Graded Engineered Cementitious Composite Structures Based on Peridynamics. <i>ACTA MECHANICA SOLIDA SINICA</i>, 2021, 35 (1):.79-89</p> <p>[13] Flexural properties of high ductility cementitious composites with totally recycled fine aggregate. <i>Journal of Materials Research and Technology-JMR&T</i>, 2021, 14: 1319-1332</p> <p>[14] Experimental Research on the Mechanical Properties and Autogenous Shrinkage of Precast Members Joint Concrete. <i>Buildings</i>, 2022, 12 (3): 373</p> <p>[15] Effect of Fiber Content on the Mechanical Properties of Engineered Cementitious Composites with Recycled Fine Aggregate from Clay Brick. <i>Materials</i>, 2021, 14(12): 3272</p>
知识产权	<p>[1] 混凝土直接拉伸试验试件、试件成型模具及成套装置, ZL201610659029X,</p> <p>[2] 一种自密实混凝土拌合物配合比设计方法, ZL201510577964.7</p> <p>[3] 一种钢纤维张拉夹持夹具及钢纤维抗拉性能测试系统, ZL201610027705.1</p> <p>[4] 钢纤维粘结拔出试验系统及试验方法, ZL201610025687.3</p> <p>[5] 混凝土受压破坏应力-应变全曲线测试装置, ZL201510187304.8</p> <p>[6] 混凝土试件高温中拉伸变形测试装置及其变形传感器夹具, ZL201721617239.9</p> <p>[7] 一种火灾高温中混凝土热应变测试装置, ZL201910421944.9</p> <p>[8] 混凝土试件高温张拉试验装置及其火灾模拟系统, ZL201721617222.3</p> <p>[9] 一种火灾高温中混凝土热应力测试装置, ZL201910422081.7</p> <p>[10] 制备 3D 打印超高性能混凝土的强制式真空搅拌机, ZL202022363172.9</p> <p>[11] 3D 打印超高性能混凝土用供料系统, ZL202120492136.4</p> <p>[12] 混凝土 3D 打印机喷头, ZL202120492126.0</p> <p>[13] 3D 打印超高性能混凝土用输送泵, ZL202120492077.0</p> <p>[14] 超高性能混凝土用真空搅拌机, ZL202022363168.2</p> <p>[15] 能够实现连续生产的再生骨料强化整形设备, ZL201711015361.3</p>
科研平台	<p>1. 纤维复合建筑材料与结构教育部工程研究中心</p> <p>2. 新型城镇建筑技术河南省协同创新中心</p> <p>3. 纤维复合材料河南省工程实验室</p>
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