Resume of Songbo WANG

Basic Information

School :	School of Civil Engineering, Architecture and Environment
Gender：	Male
Date of Birth：	199407
Title：	Lecturer
Education：	Ph.D of Engineering
Tutor：	Master degree
Email：	wangsongbo@hbut.edu.cn
Interest of research:	Strengthening of steel structures, Creep of structural materials

Academic Background

From September 2012 to June 2016, Fuzhou University, Bachelor's degree in Civil Engineering;
From October 2016 to November 2017, University of Bath, Master's degree of Civil Engineering;
From March 2018 to July 2022, The University of Edinburgh, Ph.D of Engineering.

Enrollment Information

1. Enrollment Discipline: Master of Engineering
2. Research direction: Strengthening of steel structures, Creep of structural materials
3. Enrollment Year: 2023-2024

Representative Projects

1. General Program of Hubei Provincial Natural Science Foundation " Study on the damage mechanism of nonlinear viscoelastic damage of FRP-strengthened steel interface under warm environment ", Hubei Province, Project leader.
2. Wuhan Excellence Outstanding Young Talent Program, Wuhan, Project leader.
3. Hubei University of Technology Scientific Research Start-up Fund Project " Study on the interfacial creep behaviour in CFRP-strengthened steel structures at elevated temperatures ", Wuhan, Project leader.

Representative Articles

1. **S. Wang*;** T. Stratford; T.P.S. Reynolds ; A comparison of the influence of nonlinear and linear creep on the behaviour of FRP-bonded metallic beams at warm temperatures, *Composite Structures*, 2021, 281(2022): 115117
2. **S. Wang*;** T. Stratford; T.P.S. Reynolds ; Linear creep of bonded FRP-strengthened metallic structures at warm service temperatures, *Construction and Building Materials*,

2021, 283(2021): 122699
3. **S. Wang*;** T. Stratford; T.P.S. Reynolds ; Creep of an FRP-strengthened metallic beam under cyclic temperature and cyclic load, *Journal of Constructional Steel Research*, 2022, 196(2022): 107417
4. **Songbo Wang*;** Tim Stratford; Thomas Reynolds ; Viscoelastic model for analysing the behaviour of adhesive-bonded FRP-to-steel joints in civil engineering applications, *International Journal of Adhesion and Adhesives*, 2023, 123(2023): 103359
5. **Songbo Wang*;** Ziyang Xu; Tim Stratford; Biao Li; Qingdian Zeng; Jun Su ; Machine learning approach for analysing and predicting the modulus response of the structural epoxy adhesive at elevated temperatures, *The Journal of Adhesion*, 2023
6. Li, Biao, Shiting Yu, Benhao Gao, Yang Li, Fanghong Wu, Dongtao Xia, Yin Chi, and **Songbo Wang**. "Effect of recycled aggregate and steel fiber contents on the mechanical properties and sustainability aspects of alkali-activated slag-based concrete." Journal of Building Engineering 66 (2023): 105939.
7. Li, Biao, Aoxing Gao, Yang Li, Henglin Xiao, Na Chen, Dongtao Xia, **Songbo Wang**, and Changning Li. "Effect of silica fume content on the mechanical strengths, compressive stress–strain behavior and microstructures of geopolymeric recycled aggregate concrete." Construction and Building Materials 384 (2023): 131417.