

目次

• 钢-混凝土组合桥梁专栏 •

钢-混凝土组合梁桥耐久性研究综述 胡梦涵,孙立鹏,许波,贾献卓,韩强,杜修力(1)

外包纤维增强水泥基复合材料钢管混凝土叠合柱力学性能综述 袁辉辉,程军,陈康明(26)

带约束构造剪力键的钢-混凝土双重组合连续梁受力性能
..... 戚菁菁,李维轩,蒋丽忠,曹华,吕伟荣,卢倍嵘,黄志(57)

钢桁腹杆-混凝土组合桁式拱节点传力性能试验 刘君平,杨意图,龙强,许健,韩洪举(71)

钢混组合梁可拆卸双螺栓连接件抗剪性能试验 陈澳,杨飞,杨晓松,武芳文(83)

高强螺栓止裂法提升钢管K型节点抗疲劳性能研究 陈康明,樊林杰,吴庆雄,罗健平(95)

考虑剪切变形的钢-混组合梁时变分析的精确有限元法 邓继华,何子谕,贺君,邵旭东(111)

考虑横隔板刚度影响的波形钢腹板组合箱梁畸变效应研究
..... 李夏元,周满,童金虎,陈建兵,康爱红,万水(125)

基于旋转壳理论的波形腹板钢箱组合弯梁剪应力分析 姚常伟,王春生(139)

波形钢腹板组合箱梁桥抗剪承载力计算方法 赵秋,李天宇,陈宜言(154)

基于ICVGM模型的部分填充钢管混凝土桥墩的超低周疲劳性能及分析方法
..... 余倩倩,张睿杰,李博,徐艳(166)

部分填充混凝土的端承式预制拼装钢桥墩抗震性能研究 吴庆雄,郑其鑫,袁辉辉,秦志清,张硕(179)

基于耐震时程法的钢管混凝土墩-连续梁桥多向抗震性能评估
..... 孙浩,李艳哲,买英东,吕飞,丁发兴,吴霞,杨秋宁(193)

钢管增强混凝土拱面内受力全过程试验 何福云,李聪,陈宝春,BRISEGHELLA Bruno(205)

• 交通安全与环境 •

超大流量高速公路短净距交织区车辆运行特征与行车风险
..... 徐进,刘妍伶,金勇,郭桂,张越(219)

高速公路混行车流运行安全风险评估方法
..... 闫晟煜,刘虹希,郑鑫,郭恺雯,刘杨,冯干,牛世峰(234)

基于运行仿真的机场飞机排放本地化修正模型及应用
..... 马思萌,汤慧娟,郑宸,韩博,赵静波,于剑(246)

基于文本挖掘的铁路沿线自然灾害网络潜在风险路径预测 顾爽,程国柱,闫冬阳(260)

CONTENTS

• Special Column on Steel-concrete Composite Bridges •

Review on durability of steel-concrete composite girder bridges
..... HU Meng-han, SUN Li-peng, XU Bo, JIA Xian-zhuo, HAN Qiang, DU Xiu-li(1)

Review on mechanical properties of fiber-reinforced cementitious composite-encased concrete-filled steel tube composite columns
..... YUAN Hui-hui, CHENG Jun, CHEN Kang-ming(26)

Mechanical performance of steel-concrete double composite continuous beams with constrained shear connectors
..... QI Jing-jing, LI Wei-xuan, JIANG Li-zhong, CAO Hua, LYU Wei-rong, LU Bei-rong, HUANG Zhi(57)

Experimental investigation of force transmission performance in joint of steel truss web member-concrete composite truss arch
..... LIU Jun-ping, YANG Yi-tu, LONG Qiang, XU Jian, HAN Hong-ju(71)

Shear performance test on demountable double-bolt connectors for steel-concrete composite beams
..... CHEN Ao, YANG Fei, YANG Xiao-song, WU Fang-wen(83)

Research on improving the fatigue resistant performance of circular hollow section K-joint by high-strength bolt stop-hole method
..... CHEN Kang-ming, FAN Lin-jie, WU Qing-xiong, LUO Jian-ping(95)

Exact finite element method for time-dependent analysis of steel-concrete composite beam considering shear deformation
..... DENG Ji-hua, HE Zi-an, HE Jun, SHAO Xu-dong(111)

Influence of diaphragm stiffness on distortional behavior of composite box girder with corrugated steel webs
..... LI Xia-yuan, ZHOU Man, TONG Jin-hu, CHEN Jian-bing, KANG Ai-hong, WAN Shui(125)

Analysis of shear stress for curved composite steel box girders with corrugated webs based on theory of shells of revolution
..... YAO Chang-wei, WANG Chun-sheng(139)

Calculation method for shear capacity of corrugated steel web composite box girder bridges ZHAO Qiu, LI Tian-yu, CHEN Yi-yan(154)

Ultra-low-cycle fatigue performance and its analysis method for partially concrete-filled steel tube pier based on ICVGM
..... YU Qian-qian, ZHANG Rui-jie, LI Bo, XU Yan(166)

Research on seismic performance of end-bearing prefabricated steel bridge piers with partially filled concrete
..... WU Qing-xiong, ZHENG Qi-xin, YUAN Hui-hui, QIN Zhi-qing, ZHANG Shuo(179)

Multidirectional seismic performance evaluation of concrete-filled steel tube pier-continuous beam bridges based on endurance time method
..... SUN Hao, LI Yan-zhe, MAI Ying-dong, LYU Fei, DING Fa-xing, WU Xia, YANG Qiu-ning(193)

Full-process test of in-plane load-bearing of steel tube reinforced concrete arch
..... HE Fu-yun, LI Cong, CHEN Bao-chun, BRISEGHHELLA Bruno(205)

• Traffic Safety and Environment •

Vehicle operational characteristics and driving risks in short spacing weaving areas of ultra-high traffic volume expressways
..... XU Jin, LIU Yan-ling, JIN Yong, GUO Gui, ZHANG Yue(219)

Estimation method of operational safety risk for mixed traffic flow on expressway
..... YAN Sheng-yu, LIU Hong-xi, ZHENG Xin, GUO Kai-wen, LIU Yang, FENG Gan, NIU Shi-feng(234)

Localized correction model for airport aircraft emissions based on operational simulation and its application
..... MA Si-meng, TANG Hui-juan, ZHENG Chen, HAN Bo, ZHAO Jing-bo, YU Jian(246)

Prediction of potential risk paths in natural disaster network along railway lines based on text mining
..... GU Shuang, CHENG Guo-zhu, YAN Dong-yang(260)