

目次

预应力混凝土桥梁抗火研究综述	张 岗, 贺拴海, 侯 炜, KODUR V K (1)
车致火灾作用下预应力混凝土 T 梁易损性计算方法	张晓栋, 马如进, 陈艾荣 (11)
混凝土结构抗火研究综述与建议	孙 鹏, 侯晓萌 (20)
油罐车火灾致简支钢-混组合箱梁抗弯承载力衰变机理	张 岗, 宗如欢, 黄 侨, 姚伟发, 程华才 (31)
预应力连续钢-混组合梁抗火性能	周焕廷, 郑志远, 郝聪龙, 李 辉 (40)
CFRP 加固火灾后 RC 梁柱节点抗震性能试验	徐玉野, 高 伟, 罗 漪, 胡 杰 (49)
型钢混凝土 T 形柱耐火性能试验	李 兵, 王玉镯, 高 英, 刘子卿, 王灿灿, 傅传国 (59)
火灾下钢-混凝土组合楼盖的声发射特性	张大山, 张建春, 董毓利, 卢 鑫 (69)
油罐车火灾下考虑混凝土高温爆裂的 PC 箱梁承载能力	张 岗, 侯章伟, 宋超杰, 贺拴海, 李 源 (79)
高温后 600 MPa 级高强钢筋力学性能试验	孙传智, 李爱群, 缪长青, 乔 燕, 董学娥 (89)
油罐车火灾下钢-混组合连续箱梁性能及失效机理	秦智源, 张 岗, 王高峰, 黄 侨, 姚伟发, 李 源 (98)
运营期桥梁火灾后结构检测成套技术	杨超斌, 吴华勇, 吴 涛 (109)
钢-UHPFRC 组合加固足尺混凝土 T 梁抗弯承载性能试验	王春生, 王世超, 赵 涛, 段 兰, 王 茜 (117)
分丝管索塔锚固区劈裂极限行为分析与试验	汤颖颖, 李英帅, 牛艳伟, 黄平明 (127)
一种基于深度置信网络的车撞桥墩损伤等级判别方法	冯 微, 张兆津, 邵海鹏 (135)
船舶撞击双柱式桥墩破坏模式分析	张景峰, 詹刚毅, 景 媛, 李小珍 (146)
基于可靠度的桥梁船撞作用荷载组合分项系数	周 救, 赵 威, 温 杰, 姜永存 (155)
长安大学学报(自然科学版) 2018 年第 38 卷总目次	(I)

CONTENTS

Review on fire resistance of prestressed-concrete bridge ZHANG Gang, HE Shuan-hai, HOU Wei, KODUR V K (1)

Vulnerability calculation method of prestressed concrete T-shaped girder exposed to vehicles-related fires
..... ZHANG Xiao-dong, MA Ru-jin, CHEN Ai-rong (11)

Review and suggestion on fire resistance research of reinforced concrete structures SUN Peng, HOU Xiao-meng (20)

Degradation mechanism of simply supported steel-concrete composite box girder under tanker fire condition
..... ZHANG Gang, ZONG Ru-huan, HUANG Qiao, YAO Wei-fa, CHENG Hua-cai (31)

Fire resistance of prestressed continuous steel-concrete composite beams
..... ZHOU Huan-ting, ZHENG Zhi-yuan, HAO Cong-long, LI Hui (40)

Experiment on seismic behavior of RC beam-column joints after fire and strengthened with CFRP
..... XU Yu-ye, GAO Wei, LUO Yi, HU Jie (49)

Fire resistance performance of T-shaped steel reinforced concrete columns under high temperature
..... LI Bing, WANG Yu-zhuo, GAO Ying, LIU Zi-qing, WANG Can-can, FU Chuan-guo (59)

Acoustic emission characteristic of steel-concrete composite floor during fire
..... ZHANG Da-shan, ZHANG Jian-chun, DONG Yu-li, LU Xin (69)

Bearing capacity of PC box girder based on concrete spalling under fuel tanker fire exposure
..... ZHANG Gang, HOU Zhang-wei, SONG Chao-jie, HE Shuan-hai, LI Yuan (79)

Mechanical properties of 600 MPa high-strength bars after exposure to high temperatures
..... SUN Chuan-zhi, LI Ai-qun, MIAO Chang-qing, QIAO Yan, DONG Xue-e (89)

Performance failure of steel-concrete composite continuous box girder exposed to tanker fire
..... QIN Zhi-yuan, ZHANG Gang, WANG Gao-feng, HUANG Qiao, YAO Wei-fa, LI Yuan (98)

Complete structure detection technology of bridge after fire in operation period
..... YANG Chao-bin, WU Hua-yong, WU Tao (109)

Flexural behavior tests of full-scale concrete T girders with steel-UHPFRC composite strengthening
..... WANG Chun-sheng, WANG Shi-chao, ZHAO Tao, DUAN Lan, WANG Qian (117)

Splitting limit behavior analysis and model test of sub-tube cable-to-pylon anchorage zone
..... TANG Ying-ying, LI Ying-shuai, NIU Yan-wei, HUANG Ping-ming (127)

A method for discriminating damage level in vehicle-bridge pier collision based on deep belief network
..... FENG Wei, ZHANG Zhao-jin, SHAO Hai-peng (135)

Analysis of failure patterns of double-column bridge piers subjected to vessel collision
..... ZHANG Jing-feng, ZHAN Gang-yi, JING Yuan, LI Xiao-zhen (146)

Combined partial coefficient of ship-bridge collision loads based on reliability
..... ZHOU Mi, ZHAO Wei, WEN Jie, JIANG Yong-cun (155)

Contents of Vol. 38 of JOURNAL OF CHANG' AN UNIVERSITY (Natural Science Edition) in 2018 (V)