

Strengthening of Unreinforced Masonry Walls Using CFRP for Impact Resistance	
Lijuan Cheng, Ashley M. McComb, Mason E. Schmidt	242
Application of CFRP for Repair of Corroded Steel Beams	
Sreekanta Das, Meiling Chen, Sun Yuan	244
Effect of Remelting on the Structure and Properties of Modified Hypereutectic of Aluminum SiliconAlloys	
Ahmed N.A. El Azim, Z.M. El Baradie, M.A. Moustafa	246
High Strength Natural Fibre Composites for Construction: Development of Strong Natural Fibres	
Mizi Fan	248
Investigation of Bond in Concrete Member with GFRP/Steel Wire Composite Rebars	
Qingduo Hao, Jinping Ou	250
Numerical Simulation of Axially Compressive Mechanical Behavior of Preloaded Circular Concrete Columns with CFRP Confinement	
Zheng He, Guang Song, Jianping Jin, David Hui	252
Internal Diagnosis Application of Concrete Structures Using Ground Penetrating Radar Exploration	
Seong Uk Hong, Yuri Kim, Youngsang Cho	254
Advanced FRP Grid Reinforced Concrete Beams and Slabs	
Samuel I. Ibekwe, Zhenyu Ouyang, Michael A. Stubblefield, Guoqiang Li	256
Aging and Microstructural Analysis of GFRP Dowel Bar After Alkaline Exposure	
Chang Il Jang, Sangwoo Lee, Minjung Choi, Joonmo Kim, Jongpil Won	258
Failure Modes of RC Beams Strengthened With Sprayed Epoxy Coating	
Haengki Lee, Sungkug Ha	260
Long-Term Performance of PET Fiber-Reinforced Cement Composites	
Sangwoo Lee, Chang Il Jang, Minjung Choi, Joonmo Kim, Jongpil Won	262
Advanced FRP Grid Tube Encased Concrete Cylinders	
Guoqiang Li, Walid Alaywan, Samuel I. Ibekwe, Suseng Pang	264
One-Dimensional Two-Fluid Model for Pneumatic Drying Wet Alumina Particles	
Xianxi Liu, Junruo Chen, Hongying Hou, Jinyan Shi, Hao Tan	266
Bondline Creep in Timber Members	
H.R. Milner, Con Y. Adam	268
Fatigue Behavior of the Foam-Filled Bridge Deck	
Doyoung Moon, Goangseup Zi, Dohyung Lee, Byeongmin Kim, Yoonkoog Hwang	270
A Role of Surface Structure of Uhmwpe Reactor Powders in Producing Optimum Precursors for Drawing	
Liubov P. Myasnikova, Vyacheslav A. Marikhin, Elena M. Ivan'kova, Dmitrii V. Lebedev, A.L. Myasnikov	272
Experimental Study of Underground Pipes Detection Using Ground Penetrating Radar	
Shenghuo Ni, Yanhong Huang, Daci Lin	274
Study on Estimating Model the Thickness of Concrete Slab by Using Impact Echo Method and Neural Network	
Kiheung Park, Seong Uk Hong, Youngsang Cho	276
Crack Analysis of Tunnel Linings Using Pseudoshell Model	
Zihai Shi, Masaaki Nakano	278
Significance of Lateral Bending and Warping Strains in FRP I-Section Beams	
Mojtaba B. Sirjani, Zia Razzaq	280
Masonry Structures Retrofitting With Polymeric Grids	
Daniel Stoica, Ramiro Sofronie, Stanislav Majewski	282
Composite Behavior for Moment Transfer in Connecting Precast Concrete Beam-Column Elements	
Salah El-Din Taher, Ahmed Atta, Alaa El-Din Sharkawi	284
A New Piezoresistive Cement-Based Composite With High Sensitivity To Stress/Strain	
Chunyuan Wang, Zhaoyang Li, Baoguo Han, Jinping Ou	286
Freeze-Thaw Durability of Self-Sensing Concrete-Filled FRP/FRP-Steel Composite Tubes	