

Theme 3-7: Structures and Structural Materials - 2020

Title	Authors	Scopus Source title	Volume	Issue	Pages	Source type	Publication type	Open Access
Ambient-cured geopolymer concrete with single alkali activator	Zannerni, G.M. Fattah, K.P. Al-Tamimi, A.K.	Sustainable Materials and Technologies	23	-	-	Journal	Article	
Quantification of the Impact of Detailing on the Performance and Cost of RC Shear Wall Buildings in Regions with High Uncertainty in Seismicity Hazards	Aly, N. AlHamaydeh, M. Galal, K.	Journal of Earthquake Engineering	24	3	421-446	Journal	Article	
Effect of aggregate type and specimen configuration on concrete compressive strength	Yehia, S. Abdelfatah, A. Mansour, D.	Crystals	10	7	1-26	Journal	Article	Gold Green
Serviceability and flexural behavior of concrete beams reinforced with basalt fiber-reinforced polymer (BFRP) bars exposed to harsh conditions	Alkhraisha, H. Mhanna, H. Tello, N. Abed, F.	Polymers	12	9	-	Journal	Article	Gold Green
Shear strength of circular beams made of geopolymer concrete and reinforced with GFRP rebars	Al Hamaydeh, M. Afghani, F. Mithani, R. Besiso, T. Al Salim, H.	AIP Conference Proceedings	2297	-	-	Conference Proceeding	Conference Paper	
Shear strengthening of reinforced concrete T-beams using CFRP laminates anchored with bent CFRP splay anchors	Mhanna, H.H. Hawileh, R.A. Abdalla, J.A.	Procedia Structural Integrity	28	-	811-819	Conference Proceeding	Conference Paper	Gold
Shear strength of fiber reinforced recycled aggregate concrete	Ghoneim, M. Yehia, A. Yehia, S. Abuzaid, W.	Materials	13	18	-	Journal	Article	Gold Green
Effect of harsh environmental exposure on the flexural performance of BFRP-RC beams	Huda Tello, N.A. Abdelrahman, M. El Tonsy, S. Weheda, F. Abed, F.H.	2020 Advances in Science and Engineering Technology International Conferences, ASET 2020	-	-	-	Conference Proceeding	Conference Paper	
Experimental and analytical investigations of the use of groove-epoxy anchorage system for shear strengthening of RC beams using CFRP laminates	Mohamed, K. Abdalla, J.A. Hawileh, R.A.	Materials	13	19	1-22	Journal	Article	Gold Green
Use of bore-epoxy anchorage system with CFRP sheets for shear strengthening of RC beams	Abdalla, J.A. Mohamed, K. Hawileh, R.A.	Procedia Structural Integrity	28	-	2342-2349	Conference Proceeding	Conference Paper	Gold
Behavior of RC Beams externally strengthened with GSM CFRP sheets	Douier, K.A. Hawileh, R.A. Abdalla, J.A.	2020 Advances in Science and Engineering Technology International Conferences, ASET 2020	-	-	-	Conference Proceeding	Conference Paper	
Bond stress and behavior of interface between untreated aluminum alloy surface and concrete	Abdalla, J.A. Mirghani, A. Hawileh, R.A.	Procedia Structural Integrity	28	-	1295-1302	Conference Proceeding	Conference Paper	Gold
Buckling improvement of pretwisted universal steel beams	Abed, F. Ajjan, F. Oucif, C.	Thin-Walled Structures	157	-	-	Journal	Article	
Effect of U-wrap anchors on the strength and ductility of externally bonded RC beams with mortar bonded GSM sheets	Douier, K. Hawileh, R.A. Abdalla, J.A.	Procedia Structural Integrity	28	-	986-993	Conference Proceeding	Conference Paper	Gold
Experimental investigation of buckling response of pretwisted structural steel columns	Abed, F.H. Megahed, M.	Structures	27	-	2232-2244	Journal	Article	
Evaluation of mechanical properties of hybrid concrete mixtures	Yehia, S. Othman, O. Mahini, Z. Aboel Yousr, M. Khan, H.	Proceedings of the fib Symposium 2020: Concrete Structures for Resilient Society	-	-	217-222	Conference Proceeding	Conference Paper	