

Theme 3-7: Structures and Structural Materials - 2019

Title	Authors	Scopus Source title	Volume	Issue	Pages	Source type	Publication type	Open Access
Performance of externally strengthened RC beams with side-bonded CFRP sheets	Salama, A.S.D. Hawileh, R.A. Abdalla, J.A.	Composite Structures	212	-	281-290	Journal	Article	
Fiber-reinforced polymers bars for compression reinforcement: A promising alternative to steel bars	Elmessalami, N. El Refai, A. Abed, F.	Construction and Building Materials	209	-	725-737	Journal	Review	
Shear strengthening of reinforced concrete beams using CFRP wraps	Mhanna, H.H. Hawileh, R.A. Abdalla, J.A.	Procedia Structural Integrity	17	-	214-221	Conference Proceeding	Conference Paper	Gold Green
Experimental and finite element investigation of the shear performance of BFRP-RC short beams	Abed, F. El Refai, A. Abdalla, S.	Structures	20	-	689-701	Journal	Article	
Experimental study on the shear strength of reinforced concrete beams cast with Lava lightweight aggregates	Nawaz, W. Abdalla, J.A. Hawileh, R.A. Alajmani, H.S. Abuzayed, I.H. Ataya, H. Mohamed, H.A.	Archives of Civil and Mechanical Engineering	19	4	981-996	Journal	Article	
Crack development in steel-fibre-reinforced concrete members with conventional rebars	Tiberti, G. Trabucchi, I. AlHamaydeh, M. Minelli, F. Pilzari, G.A.	Magazine of Concrete Research	71	11	599-610	Journal	Article	
Shear strengthening of deficient concrete beams with marine grade aluminium alloy plates	Abu-Obeidah, A.S. Abdalla, J.A. Hawileh, R.A.	Advances in Concrete Construction	7	4	249-262	Journal	Article	
Performance of fiber-reinforced lightweight self-consolidating concrete exposed to wetting-and-drying cycles in salt water	Yehia, S. Farrag, S. Abdelghaney, O.	ACI Materials Journal	116	6	45-54	Journal	Article	
Use of aluminum alloy plates as externally bonded shear reinforcement for R/C beams	Abdalla, J.A. Abu Obaidah, A.R. Hawileh, R.A.	Procedia Structural Integrity	17	-	403-410	Conference Proceeding	Conference Paper	Gold Green
The flexural behavior of bolting and bonding Aluminum Alloy plates to RC beams	Abuodeh, O.R. Abdalla, J.A. Hawileh, R.A.	Procedia Structural Integrity	17	-	395-402	Conference Proceeding	Conference Paper	Gold Green
Behavior of RC Beams externally strengthened with Mortar bonded Steel Mesh	Douier, K.A. Hawileh, R. Abdalla, J.A.	2019 Advances in Science and Engineering Technology International Conferences, ASET 2019	-	-	-	Conference Proceeding	Conference Paper	
Evaluation of BFRP RC beams under flexure	Abed, F. Al-Mimar, M. Tello, N.	2019 Advances in Science and Engineering Technology International Conferences, ASET 2019	-	-	-	Conference Proceeding	Conference Paper	
Conductive Concrete for Smart Cities Applications	Swaked, B. Qaddoumi, N. Yehia, S. Farhana, S. Nguyen, L.	2019 AEIT International Conference, AEIT 2019	-	-	-	Conference Proceeding	Conference Paper	
Shear Behavior of RC Beams Cast with LAVA Lightweight Aggregates	Nawaz, W. Hawileh, R. Abdalla, J.A. Ataya, H. Alajmani, H.S. Abuzayed, I.H. Mohamed, H.A.	2019 Advances in Science and Engineering Technology International Conferences, ASET 2019	-	-	-	Conference Proceeding	Conference Paper	
Energy-based predictions of number of reversals to fatigue failure of steel bars using artificial neural network	Abdalla, J. Hawileh, R.	EG-ICE 2010 - 17th International Workshop on Intelligent Computing in Engineering	-	-	-	Conference Proceeding	Conference Paper	
INSPECT-PBEE: A performance-based earthquake engineering GUI for IDARC-2D	AlHamaydeh, M. Aly, N. Najib, M. Alawneh, S.	SoftwareX	9	-	132-144	Journal	Article	Gold
Flexural Response of RC Beams Reinforced with HSS bars using FEA	Aldabagh, S. Abed, F. Yehia, S.	2019 Advances in Science and Engineering Technology International Conferences, ASET 2019	-	-	-	Conference Proceeding	Conference Paper	
Lightweight aggregate for internal curing	Yehia, S. Ghoneim, M.	FIB 2018 - Proceedings for the 2018 fib Congress: Better, Smarter, Stronger	-	-	1761-1767	Conference Proceeding	Conference Paper	