

Papers in ISI Journals

1. Elsanadedy, H. M., **Al-Salloum, Y. A.**, Almusallam, T. H., Ngo, T., & Abbas, H. (2019). Assessment of progressive collapse potential of special moment resisting RC frames—Experimental and FE study. *Engineering Failure Analysis*, 105, 896-918.
2. Elsanadedy, H. M., Abbas, H., Almusallam, T. H., & **AI-Salloum, Y. A.** (2019). Organic versus inorganic matrix composites for bond-critical strengthening applications of RC structures—State-of-the-art review. *Composites Part B: Engineering*, 106947.
3. Abdulrahman Albidah, Aref Abadel, Husain Abbas, Tarek Almusallam, **Yousef Al-Salloum** (2019), Experimental and Analytical Study of Strengthening Schemes for Shear Deficient RC Deep Beams. *Construction and Building Materials*, 216, 673-686.
4. Husain Abbas, **Yousef A. Al-Salloum**, Hussein M. Elsanadedy, Tarek H. Almusallam (2019), ANN Models in Prediction of Residual Strength of HSC after Elevated Temperature. *Fire Safety Journal*, 106, 13-28.
5. Elsanadedy, H. M., **AI-Salloum, Y. A.**, Almusallam, T. H., Alshenawy, A. O., & Abbas, H. (2019). Experimental and numerical study on FRP-upgraded RC beams with large rectangular web openings in shear zones. *Construction and Building Materials*, 194, 322-343.
6. **Yousef Al-Salloum**, Ghaithan Al-Amri, Nadeem Siddiqui, Tarek Almusallam, Husain Abbas (2018), "Effectiveness of CFRP-Strengthening in Improving Cyclic Compression Response of Slender RC Columns", *J of Composites for Construction*, 22(3): 04018009.
7. **Yousef A. Al-Salloum**, Mohammed A. Alrubaidi, Hussein M. Elsanadedy, Tarek H. Almusallam and Rizwan A. Iqbal (2018), "Strengthening of precast RC beam-column connections for progressive collapse mitigation using bolted steel plates", *Engineering Structures*, Volume 161, 15 April 2018, Pages 146-160.
8. Nadeem Siddiqui , **Yousef Al-Salloum**, Tarek Almusallam, Aref Abadel, Husain Abbas (2018), Reliability assessment of of HFRC Slabs against Projectile Impact", *International Journal of Concrete Structures and Materials*, 12:58, pp. 1-11.
9. Almusallam, T. H., Elsanadedy, H. M., **AI-Salloum, Y. A.**, Siddiqui, N. A., & Iqbal, R. A. (2018). Experimental Investigation on Vulnerability of Precast RC Beam-column Joints to Progressive Collapse. *KSCE Journal of Civil Engineering*, 22(10), 3995-4010.
10. T.H. Amusallam, **Y.A. Al-Salloum**, H.M. Elsanadedy, A.O. Alshenawy, R.A. Iqbal (2018), "Behavior of FRP-strengthened RC beams with large rectangular web openings in flexure zones – Experimental and numerical study", *International Journal of Concrete Structures and Materials*, 12:47, pp. 1-28.
11. **Yousef Al-Salloum**, S. Hadi, H. Abbas, Tarek Almusallam, M.A. Moslem (2017), "Bio-induction and bioremediation of cementitious composites using microbial mineral precipitation – A review", *Construction and Building Materials*, 154, 857–87.
12. Hussein M. Elsanadedy, Tarek H. Almusallam, **Yousef A. Al-Salloum** and Husain Abbas (2017), "Numerical investigation of precast RC beam-column assemblies under column-loss scenario", *Construction and Building Materials*, 142, 552–571.
13. Hussein Elsanadedy, Tarek Almusallam, **Yousef Al-Salloum** and Rizwan Iqbal (2017), "Effect of high temperature on structural response of RC circular columns strengthened with FRP composites", *Journal of Composite Materials*, Vol. 51(3): 333–355, doi:10.1177/0021998316645171
14. Saleh Alsayed, **Yousef Al-Salloum**, Rizwan A. Iqbal and H. Abbas (2017), "Post-Heating Response of Concrete-Filled Circular Steel Columns", *KSCE J of Civil Eng.*, 21(4):1367-1378, DOI: 10.1007/s12205-016-0852-3

15. M.S. Morsy, **Y.A. Al-Salloum**, T.H. Almusallam and H. Abbas (2017), "Mechanical properties, phase composition and microstructure of activated Metakaolin-slaked lime binder", KSCE J of Civil Eng., 21 (3), pp. 863-871. DOI: 10.1007/s12205-016-0667-2
16. Tarek Almusallam, **Yousef Al-Salloum**, Tuan Ngo, Priyan Mendis & Husain Abbas (2017), "Experimental Investigation of Progressive Collapse Potential of Ordinary and Special Moment Resisting Reinforced Concrete Frames", Materials and Structures, 50:137.
17. **Yousef Al-Salloum**, H. Abbas, Q.I. Sheikh, S. Hadi, Saleh Alsayed, Tarek Almusallam (2017), "Effect of some biotic factors on microbially-induced calcite precipitation in cement mortar", Saudi Journal of Biological Sciences, 24, 286–294, doi:10.1016/j.sjbs.2016.01.016
18. Tarek Almusallam, S.M. Ibrahim, **Yousef Al-Salloum**, Aref Abadel and Husain Abbas (2016), "Analytical and experimental investigations on the fracture behavior of hybrid fiber reinforced concrete", Cement and Concrete Composites, Vol. 74, pp. 201-217.
19. Aref Abadel, Husain Abbas, Tarek Almusallam, **Yousef Al-Salloum**, Nadeem Siddiqui, Mohammed A. Shubaili, Hossam El-Din M. Sallam (2016), "Discussion: Mechanical properties of hybrid fibre-reinforced concrete – analytical modelling and experimental behavior", Magazine of Concrete Research, Paper 1600243, Volume 68 Issue 22, November, 2016, pp. 1183-1186. <http://dx.doi.org/10.1680/jmacr.16.00243>.
20. Saleh H. Alsayed, H.M. Elnanadedy, Zaki M. Al-Zaheri, **Yousef A. Al-Salloum**, H. Abbas (2016), "Blast response of GFRP-strengthened infill masonry walls", Construction and Building Materials, Vol. 115, pp. 438–451.
21. **Yousef Al-Salloum**, Tarek Almusallam, Hussein Elnanadedy and Rizwan Iqbal (2016), "Effect of elevated temperature environments on RC columns axially strengthened with different techniques", Construction and building materials, Vol. 115, pp. 345-361.
22. S.M. Ibrahim, Tarek Almusallam, **Yousef Al-Salloum**, Aref Abadel and H. Abbas (2016), "Strain rate dependent modeling for compression response of hybrid fiber reinforced concrete", Latin American Journal of Solids and Structures, Vol. 13, pp. 1695-1715.
23. H. M. Elnanadedy, **Yousef A. Al-Salloum**, Zaki M. Al-Zaheri, Saleh H. Alsayed, H. Abbas (2016), "Behavior and Design Aspects of FRP-Strengthened URM Walls under Out-of-Plane Loading", Journal of Composites for Construction, 04016048. Volume 20, Issue 6, pp. 1-16. Doi: 10.1061/(ASCE)CC.1943-5614.0000695.
24. H.M. Elnanadedy, H. Abbas, **Y.A. Al-Salloum** and T.H. Almusallam (2016), "Shear strength prediction of HSC slender beams without web reinforcement", Materials and Structures, Vol. 49, Issue 9, pp. 3749-3772, DOI 10.1617/s11527-015-0752-x
25. **Al-Salloum Y.A.**, Almusallam T.H., M.Y. Khawaji, Ngo T., Elnanadedy H.M., and Abbas H. (2016), "Progressive collapse analysis of RC Buildings against Internal Blast", Advances in Structural Engineering, Vol. 18, No. 12, pp. 2181-2192.
26. Aref Abadel, Husain Abbas, Tarek Almusallam, **Yousef Al-Salloum**, Nadeem Siddiqui (2016), "Mechanical properties of hybrid fibre-reinforced concrete – analytical modelling and experimental behaviour", Magazine of Concrete Research, 68(16), 823–843, DOI: 10.1680/jmacr.15.00276.
27. Mohammad S. Alhaddad , Khalid M. Wazira, **Yousef A. Al-Salloum**, Husain Abbas, "Ductility Damage Indices Based on Seismic Performance of RC Frames", Soil Dynamics and Earthquake Engineering 2015, Vol. 77, pp. 226-237.
28. Tarek H. Almusallam, Aref A. Abadel, **Yousef A. Al-Salloum**, Nadeem A. Siddiqui, and Husain Abbas, "Effectiveness of hybrid-fibers in improving the impact resistance of RC slabs", International Journal of Impact Engineering 2015, Vol. 81, pp. 61-73.
29. Ayman Mosallam, Hussein M Elnanadedy, Tarek H Almusallam, **Yousef A Al-Salloum**, Saleh H Alsayed (2015), "Structural evaluation of reinforced concrete beams strengthened with innovative bolted/bonded advanced FRP composites sandwich panels", Composite Structures 2015, Vol. 124, pp. 421–440.

30. H.M. Elsanadedy, H. Abbas, **Y.A. Al-Salloum** and T.H. Almusallam. Closure to "Prediction of Intermediate Crack Debonding Strain of Externally Bonded FRP Laminates in RC Beams and One-Way Slabs" Journal of Composites for Construction, ASCE 2015, 19(2), 07014004.
31. Husain Abbas, Aref A. Abadel, Tarek H. Almusallam and **Yousef A. Al-Salloum**, "Effect of CFRP and TRM Strengthening of RC Slabs on Punching Shear Strength", Latin American Journal of Solids and Structures 2015, Vol. 12, pp. 1616-1640.
32. **Yousef Al-Salloum**, Tarek Almusallam, S.M. Ibrahim, H. Abbas and Saleh Alsayed, "Rate dependent stress-strain model of concrete in compression using SHPB", Cement & concrete composites 2015, Vol. 55, pp. 34-44.
33. T.H. Almusallam, **Y.A. Al-Salloum**, S.H. Alsayed, Rizwan A. Iqbal, H. Abbas, "Effect of CFRP strengthening on the response of RC slabs to hard projectile impact", Nuclear Engineering and Design 2015, Vol. 286, pp. 211–226.
34. Elsanadedy H.M, Almusallam T.H., Alsayed S.H., **Al-Salloum Y.A.**, "Experimental and FE study on RC one-way slabs upgraded with FRP composites", KSCE Journal of Civil Engineering 2015, 19(4), pp. 1024-1040.
35. Almusallam T.H., Elsanadedy H.M, **Y.A. Al-Salloum**, "Effect of Longitudinal Steel Ratio on the Flexural Performance of RC Beams Strengthened with FRP Composites – Experimental and FE Study", Journal of Composites for Construction, ASCE 2015, Volume 19, Issue 1, 04014028.
36. H.M. Elsanadedy, T.H. Almusallam, Y.R. Alharbi, **Y.A. Al-Salloum** and H. Abbas, "Progressive collapse potential of a typical steel building due to blast attacks", J of constructional steel research 2014, Vol. 101, Pages 143–157.
37. Nadeem A. Siddiqui, Saleh H. Alsayed, **Yousef A. Al-Salloum**, Rizwan A. Iqbal and Husain Abbas, "Experimental investigation of slender circular RC columns strengthened with FRP composites", Construction and Building Materials 2014, Vol. 69, pp. 323–334.
38. **Y.A. Al-Salloum**, S.H. Alsayed, T.H. Almusallam, S.M. Ibrahim, H. Abbas, "Investigations on the influence of radial confinement in the impact response of concrete", Computers and Concrete 2014, Vol. 14, No. 6, 675-694.
39. S.H. Alsayed, T.H. Almusallam, S.M. Ibrahim, N.M. Al-Hazmi, **Y.A. Al-Salloum** and H. Abbas, "Experimental and Numerical investigation for compression response of CFRP strengthened shape modified wall-like RC column", Construction and Building Materials 2014, Vol. 63, pp. 72-80.
40. Nadeem A. Siddiqui, Baha M. A. Khateeb, Tarek H. Almusallam, **Yousef A. Al-Salloum**, Rizwan A. Iqbal, and H. Abbas, "Reliability of RC Shielded Steel Plates against the Impact of Sharp Nose Projectiles", Int J of Impact Engineering 2014, Vol. 69, pp. 122-135.
41. H.M. Elsanadedy, H. Abbas, **Y.A. Al-Salloum** and T.H. Almusallam "[Prediction of intermediate crack debonding strain of externally bonded FRP laminates in RC beams and one-way slabs](#)", ASCE J of Composites for Construction 2014, Vol. 18(5), 04014008.
42. M.S. Morsy, S.H. Alsayed, **Y. Al-Salloum** and T. Almusallam, "[Effect of sodium silicate to sodium hydroxide ratio on strength and microstructure of fly ash geopolymers binder](#)", Arabian Journal for Science and Engineering 2014, Vol. 39(6), pp. 4333-4339.
43. M.S. Morsy, **Y. Al-Salloum**, T. Almusallam and H. Abbas "[Effect of Nano-Metakaolin Addition on Hydration Characteristics of Fly Ash Blended Cement Mortar](#)", J of Thermal Analysis and calorimetry 2014, Vol. 116, pp. 845-852.
44. S.M. Ibrahim, S.H. Alsayed, H. Abbas, E. Carrera, **Y.A. Al-Salloum** and T.H. Almusallam, "[Free vibration of tapered beams and plates based on unified beam Theory](#)", Journal of Vibration and Control 2014, Vol. 20(16), pp. 2450–2463.
45. **Y.A. Al-Salloum.**, El-Gamal S., Almusallam T.H., Alsayed S.H., and Aqel M., "[Effect of Harsh Environmental Conditions on the Tensile Properties of GFRP Bars](#)", Composites Part B: Engineering 2013, Vol.45, No: 1, pp. 835 - 844.

46. Almusallam T.H., **Y.A. Al-Salloum**, Alsayed S.H, El-Gamal S., and Aqel M. "Tensile properties degradation of glass fiber-reinforced polymer bars embedded in concrete under severe laboratory and field environmental conditions", Journal of Composite Materials 2013, Vol. 47, Issue 4, pp. 393-407.
47. Almusallam T.H., Elsanadedy H.M, **Y.A. Al-Salloum**, Alsayed S.H, "Experimental and numerical investigation for the flexural strengthening of RC beams using near-surface mounted steel or GFRP bars" Construction and Building Materials 2013, Vol. 40, pp. 145 - 161.
48. Elsanadedy H.M, Almusallam T.H., Alsayed S.H., **Y.A. Al-Salloum**, "Flexural strengthening of RC beams using textile reinforced mortar - Experimental and numerical study" Composite Structures 2013, Vol. 97, p.p. 40-55.
49. Elsanadedy H.M., **Y.A. Al-Salloum**., Alsayed S.H., "Prediction of punching shear strength of HSC interior slab-column connections", KSCE Journal of Civil Engineering 2013, 17(2):473-485.
50. Elsanadedy H.M., **Y.A. Al-Salloum**., Abbas H., Alsayed S.H. "Prediction of strength parameters of FRP confined concrete", Composites Part B: Engineering 2012, Vol. 43, Issue 2, pp. 228–239.
51. Shah A.A., Alsayed S.H., Abbas H., **Y.A. Al-Salloum**. "Predicting residual strength of non-linear ultrasonically evaluated damaged concrete using artificial neural network", Construction and Building Materials 2012, Vol. 29, pp. 42–50.
52. Elsanadedy H.M., **Y.A. Al-Salloum**., Alsayed S.H., Iqbal R.A. "Experimental and numerical investigation of size effects in FRP wrapped concrete columns", Construction and Building Materials 2012, Vol. 29, pp. 56-72.
53. **Y.A. Al-Salloum**., Elsanadedy H.M., Alsayed S.H., Iqbal R.A. "Experimental and numerical study for the shear strengthening of RC beams using textile reinforced mortar", Journal of Composites for Construction 2012, Vol. 16, Issue 1, pp. 74-90.
54. Alhaddad M.S., Siddiqui N.A., Abadel A.A., Alsayed S.H., **Y.A. Al-Salloum**. "Numerical Investigations on the Seismic Behavior of FRP and TRM Upgraded RC Exterior Beam-Column Joints", Journal of Composites for Construction, 2012, Vol. 16, Issue 3, pp. 308-321.
55. Alsayed S.H, **Y.A. Al-Salloum**, Almusallam T.H., El-Gamal S., and Aqel M. "Performance of glass fiber reinforced polymer bars under elevated temperatures", Composites Part B: Engineering, 2012, Vol. 43, Issue 5, pp. 2265-2271.
56. **Y.A. Al-Salloum**., Shah A.A., Abbas H., Alsayed S.H., Almusallam T.H. and Alhaddad M.S. "Prediction of compressive strength of concrete using neural networks", Computers and Concrete 2012, Vol. 10, Issue 2, pp. 197-217.
57. El-Gamal S., **Y.A. Al-Salloum**., Alsayed S.H., Aqel M. "Performance of Near Surface Mounted GFRP Bars in Concrete", Journal of Reinforced Plastics and Composites 2012, Vol.31, Issue 22, pp. 1501 - 1515.
58. Morsy M.S., Alsayed S.H., **Y.A. Al-Salloum**. "Development of Eco-Friendly Binder Using Metakaolin-Fly Ash-Lime-Anhydrous Gypsum", Construction and Building Materials 2012, Vol. 35, pp. 772–777.
59. Morsy M.S., **Y.A. Al-Salloum**., Abbas H. , Alsayed S.H. "Behavior of Blended Cement Mortars Containing Nano-Metakaolin at Elevated Temperatures", Construction and Building Materials 2012, Vol. 35, pp. 900-905.
60. Elsanadedy H.M., Almusallam T.H., Abbas H., **Y.A. Al-Salloum**., Alsayed S.H. "Effect of blast loading on CFRP-Retrofitted RC columns – a numerical study", Latin American Journal of Solids and Structures 2011, Vol. 8, pp. 55-81.
61. **Y.A. Al-Salloum**., Almusallam T.H., Alsayed S.H. and Siddiqui N.A. "Seismic behavior of as-Built, ACI-complying, and CFRP-repaired exterior RC beam-column Joints", Journal of Composites for Construction 2011, Vol. 15, No. 4, pp. 522-534.

62. **Y.A. Al-Salloum**, Elsanadedy H.M., Abadel A.A. "Behavior of FRP-confined concrete after high temperature exposure", Construction and Building Materials 2011, Vol. 25, Issue 2, pp. 838–850.
63. Abbas H., Alsayed S.H., Almusallam T.H. and **Y.A. Al-Salloum**. "Characterization of hole-diameter in thin metallic plates perforated by spherical projectiles using genetic algorithms", Archive of Applied Mechanics 2011, Vol. 81, Issue 7, pp. 907-924.
64. **Y.A. Al-Salloum**, Siddiqui N.A., Elsanadedy H.M., Abadel A.A., and Aqel M.A. "Textile-Reinforced Mortar (TRM) versus FRP as strengthening material of seismically deficient RC beam-column joints", Journal of Composites for Construction 2011, Vol. 15 (6): 920-933.
65. Alsayed S.H., **Y.A. Al-Salloum**, Almusallam T.H. and Siddiqui N.A. (2010). "Seismic Response of FRP-upgraded exterior RC beam-column joints." Journal of Composites for Construction, ASCE, Vol. 14, Issue 2, pp. 195-208.
66. Alsayed S.H., Almusallam T.H., **Y.A. Al-Salloum**, and Siddiqui N.A. (2010), "Seismic rehabilitation of corner RC beam-column joints using CFRP composites." Journal of Composites for Construction, ASCE, Vol. 14, Issue 6, pp. 681-692.
67. Almusallam T.H., Elsanadedy H.M., Abbas H., Alsayed S.H. and **Y.A. Al-Salloum**, (2010), "Progressive collapse analysis of a RC building subjected to blast loads", Structural Engineering & Mechanics, Vol. 36, Issue 3, pp. 301-319.
68. **Y.A. Al-Salloum**, "Compressive strength of FRP-confined concrete at elevated temperatures", Polymers and Polymer Composites, Vol. 16, No. 9, pp. 611-620, 2008.
69. **Y.A. Al-Salloum** and T.H. Almusallam, "Seismic Response of Interior RC Beam-Column Joints Upgraded with FRP Sheets - Part I: Experimental Study", ASCE Journal of Composites for Construction, Volume 11, Issue 6, pp. 575-589, (Nov/Dec) 2007.
70. T.H. Almusallam, **Y.A. Al-Salloum**, "Seismic Response of Interior RC Beam-Column Joints Upgraded with FRP Sheets - Part II: Analysis and Parametric Study," ASCE Journal of Composites for Construction, Volume 11, Issue 6, pp. 590-600, (Nov/Dec) 2007.
71. **Y.A. Al-Salloum**, "Influence of edge sharpness on the strength of square concrete columns confined with FRP composite laminates," Journal of Composites Part B: Engineering, Volume 38, Issues 5-6, Pages 640-650, (July-Sept) 2007.
72. **Y.A. Al-Salloum** and T.H. Almusallam, "Creep Effect on the Behavior of Concrete Beams Reinforced with GFRP Bars Subjected to Different Environments," Construction and Building Materials, Volume 21, Issue 7, July 2007, Pages 1510-1519.
73. T.H. Almusallam, **Y.A. Al-Salloum**, "Behavior of FRP Strengthened Infill Walls Under In-Plane Seismic Loading", ASCE Journal of Composites for Construction, Volume 11, Issue 3, pp. 308-318 (May/June) 2007. (Awarded Paper by ASCE)
74. T.H. Almusallam and **Y.A. Al-Salloum**, "Durability of GFRP Rebars in Concrete Beams under Sustained Loads at Severe Environments," Journal of Composite Materials, 40, 2006, pp. 623-637.
75. T.H. Almusallam, **Y.A. Al-Salloum**, "Flexure Strengthening of RC Beams Using Glass FRP Sheets", Pertanika Journal of Science and Technology, Universiti Putra Malaysia (UPM), Vol. 13, No. 1, January 2005.
76. **Y.A. Al-Salloum** and T.H. Almusallam, "Load Capacity of Concrete Masonry Block Walls Strengthened with Epoxy-bonded GFRP Sheets." Journal of Composite Materials, 39, 2005, pp. 1719 - 1745.
77. T.H. Almusallam, **Y.A. Al-Salloum**, "Ultimate Strength Prediction for RC Beams Externally Strengthened by Composite Materials," Journal of Composites: Part B Engineering, 32, 2001, pp. 609-619.
78. S.H. Alsayed, **Y.A. Al-Salloum**, T.H. Almusallam, "Performance of Glass Fiber Reinforced Plastic Bars As A Reinforcing Material for Concrete Structures," Journal of Composites: Part B Engineering, Vol 31, No. 6/7, 2000, pp. 555-567.

79. S.H. Alsayed, **Y.A. Al-Salloum**, T.H. Almusallam, "Fibre-Reinforced Polymer Repair Materials – Some Facts," *Journal of the Institution of Civil Engineering*, Vol. 138, Issue Three, August 2000, London, , pp. 131-134.
80. S.H. Alsayed and **Y.A. Al-Salloum**, "Optimization of Flexure Environment of Concrete Beams Reinforced with Fibre Reinforced Plastic Rebars", *Magazine of Concrete Research*, Volume 48, No. 174, March 1996, pp. 27-36.
81. **Y.A. Al-Salloum**, "Optimum Proportions of Built-Up Wide Flange Sections", *Journal of Constructional Steel Research*, Volume 36, No. 3, pp. 151-180, 1996.
82. **Y.A. Al-Salloum**, "A Pseudo Fully-Stressed Design Approach for Optimum Design of Steel Frames", *International Journal for Numerical Methods in Engineering*, Volume 38, 1995, pp. 3513-3527.
83. **Y.A. Al-Salloum** and T.H. Almusallam, "Optimality and Safety of Rigidly and Flexibly Jointed Steel Frames", *Journal of Constructional Steel Research*, Volume 35, No. 2, 1995, pp. 189-215.
84. **Y.A. Al-Salloum** and G. H. Siddiqi, "Cost-Optimum Design of Reinforced Concrete Beams", *ACI Structural Journal*, American Concrete Institute, Volume 91, No. 6, Nov-Dec. 1994, pp. 647-655.
85. **Y.A. Al-Salloum**, and G.H. Siddiqi, "A Basis for Local Minima of A Symmetric Frame Topography," *Computers and Structures*, Volume 51, No. 6, June 1994, pp. 705-712.
86. **Y.A. Al-Salloum** and G. H Siddiqi, "Optimum Design of Frames Under Alternate Loading Condition", *Canadian Journal of Civil Engineering*, 20(5), Oct. 1993, pp. 778-786, Canada.
87. **Y.A. Al-Salloum** and G. H. Siddiqi, "Is a Frame Built-Up of Individual Load Optimums Really Optimum and Safe?", *Computers and Structures*, Volume 48, No. 1, pp. 15-21, July 1993, USA.
88. G. H Siddiqi and **Y.A. Al-Salloum**, "Optimal Retrofitting of Rigid Frames", *Computers and Structures*, Volume 48, No. 1, pp. 7-13, July 1993, USA.

Papers in Non-ISI Journals

89. **Y.A. Al-Salloum**, H. Abbas, T.H. Almusallam, T. Ngo, P. Mendis (2017), "Progressive Collapse Analysis of a Typical RC High-Rise Tower", *Journal of King Saud University - Engineering Sciences*, Volume 29, Issue 4, Pages 313-320.
90. Husain Abbas, Tarek Almusallam, **Yousef Al-Salloum**, Nadeem Siddiqui (2017). "Prediction of ejected mass from hybrid-fiber reinforced concrete slabs subjected to impact loads", *Procedia Engineering* 173: 77–84.
91. Aref Abadel, Husain Abbas, Tarek Almusallam, **Yousef Al-Salloum**, Nadeem Siddiqui (2017). "Local impact damage response of CFRP-strengthened RC slabs", *Procedia Engineering* 173: 85–92.
92. S.M. Ibrahim, **Y.A. Al-Salloum** and H. Abbas, "Dynamic analysis of tapered plates based on higher order beam theory", *Advanced Materials Research*, Vols. 919-921 (2014), pp. 79-82.
93. Husain Abbas, Tarek Almusallam and **Yousef Al-Salloum**, "Improving the Impact Resistance of Reinforced Concrete", *Advanced Materials Research*, Vols. 919-921 (2014), pp. 1924-1929.
94. Alsayed S.H., Almusallam T.H., **Y.A. Al-Salloum**., El-Gamal S. "Tensile properties of GFRP bars after exposure to harsh laboratory and field environmental conditions", *Advanced Materials Research*, May 2011, Vols. 250-253, pp. 3738-3742.
95. Khan M.I., Almusallam T.H., Almosa A.A., Alsayed S.H., **Y.A. Al-Salloum**., "Evaluation and performance of repair materials for rehabilitation of concrete structures", *Advanced Materials Research*, January 2011, Vols. 163-167, pp. 3820-3825.

96. Abbas H., **Y.A. Al-Salloum**, Alsayed S.H., Elsanadedy H.M., Rizwan I. Iqbal "Numerical study for retrofitting of RC columns for blast loading", New Building Materials and Construction World, June 2011, Article No. 23886.
97. S.H. Alsayed, H. Abbas and **Y.A. Al-Salloum** (2011), "Numerical Study for CFRP Strengthening of RC Columns for Blast Resistance", World Journal of Engineering, Vol 7, Supplement 3, pp. 55-56.
98. Shah A.A., **Y.A. Al-Salloum**, and Alsayed S.H. (2010), "Evaluating Damage of Concrete with Non-Linear Ultrasonic and Acoustic Emission Techniques", Key Engineering Materials, (Advances in Fracture and Damage Mechanics IX), Vols. 452-453, pp. 553-556.
99. Shah A.A., **Y.A. Al-Salloum**, (2010), "Correlating Tests of Progressively Damaged Concrete with NLU and AE Techniques", International Journal of Civil and Environmental Engineering, Vol. 10, No. 1, pp. 15-22.
100. Shah A.A., **Y.A. Al-Salloum**, (2010), "Application of Ultrasonic Testing Technique to Evaluation of Strength Development in Early Age Mortars", International Journal of Civil and Environmental Engineering, Vol. 10, No. 1, pp. 28-33.
101. **Y.A. Al-Salloum**, "Flexural Performance of RC Beams Repaired with Commercial Repair Materials", Engineering Science, Journal of King Saud University, Volume 19, No. 2, 2007.
102. **Y.A. Al-Salloum**, "Contribution of GFRP Compression Reinforcement to the Flexural Capacity of RC Beams", Scientific Bulletin, Journal of Ain Shams University, Faculty of Engineering, Volume 42, No. 3, Sept 2007.
103. **Y.A. Al-Salloum**, T.H. Almusallam, "Rehabilitation of the Infrastructure Using Composite Materials: Overview and Applications", *Journal of King Saud University*, Vol. 16, Eng. Sci. (1), 2003, pp. 1-21.
104. S.H. Alsayed, **Y.A. Al-Salloum**, T.H. Almusallam, "Concrete Columns Reinforced by Glass Fiber Reinforced Polymer Rods" ACI SP-188, 2000, pp.103-112.
105. **Y.A. Al-Salloum** and S.H. Alsayed, "Replacing Reinforcing Steel in RC Beams by GFRP: A Comparative Cost Study", Journal of king Abdulaziz University, Engineering Sciences, Special issue, Jeddah, 1999, pp. 45-52.