

# Ahmed K El-Sayed

## List of Publications by Year in descending order

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517  
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#	ARTICLE	IF	CITATIONS
1	Finite Element Modeling of Debonding Failures in FRP-Strengthened Concrete Beams Using Cohesive Zone Model. <i>Polymers</i> , 2022, 14, 1889.	4.5	9
2	FRP U-Wrap Anchorage for Preventing Concrete Cover Separation: Experimental Study and Design Method. <i>Journal of Composites for Construction</i> , 2022, 26, .	3.2	4
3	Mitigation of Concrete Cover Separation in Concrete Beams Strengthened with Fiber-reinforced Polymer Composites. <i>IOP Conference Series: Earth and Environmental Science</i> , 2022, 1026, 012008.	0.3	0
4	EMPIRICAL SHEAR BASED MODEL FOR PREDICTING PLATE END DEBONDING IN FRP STRENGTHENED RC BEAMS. <i>Journal of Civil Engineering and Management</i> , 2021, 27, 117-138.	3.5	10
5	Performance evaluation of reinforced concrete beams with corroded web reinforcement: Experimental and theoretical study. <i>Journal of Building Engineering</i> , 2021, 35, 102038.	3.4	8
6	Effect of Stirrups on Plate End Debonding in Reinforced Concrete Beams Strengthened with Fiber Reinforced Polymers. <i>Polymers</i> , 2021, 13, 3322.	4.5	7
7	Effect of shear-span/depth ratio on debonding failures of FRP-strengthened RC beams. <i>Journal of Building Engineering</i> , 2020, 32, 101771.	3.4	17
8	Flexural Strength of Corroded Reinforced Concrete Beams. <i>ACI Structural Journal</i> , 2020, 117, .	0.2	16
9	Assessment of plate-end debonding design provisions for RC beams strengthened with FRP. <i>Latin American Journal of Solids and Structures</i> , 2020, 17, .	1.0	9
10	A State-of-the-Art Review of Bending and Shear Behaviors of Corrosion-Damaged Reinforced Concrete Beams. <i>ACI Structural Journal</i> , 2019, 116, .	0.2	18
11	SHEAR CAPACITY PREDICTION FOR STIRRUP-CORRODED RC BEAMS STRENGTHENED WITH FRP. <i>Engineering Structures and Technologies</i> , 2019, 11, 32-39.	0.1	1
12	Long-term deflection of prestressed SCC hollow core slabs. <i>Construction and Building Materials</i> , 2018, 189, 181-191.	7.2	8
13	Structural behavior of prestressed SCC hollow core slabs. <i>Construction and Building Materials</i> , 2018, 182, 334-345.	7.2	19
14	Crack Width Prediction for Concrete Beams Strengthened with Carbon FRP Composites. <i>Journal of Composites for Construction</i> , 2017, 21, .	3.2	8
15	Shear capacity assessment of reinforced concrete beams with corroded stirrups. <i>Construction and Building Materials</i> , 2017, 134, 176-184.	7.2	30
16	Experimental Verification of Resistance-Demand Approach for Shear of HSC Beams. <i>International Journal of Concrete Structures and Materials</i> , 2016, 10, 513-525.	3.2	3
17	Size effect on shear resistance of high strength concrete deep beams. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 1871-1882.	3.1	28
18	Experimental verification of strut and tie model for HSC deep beams without shear reinforcement. <i>Engineering Structures</i> , 2016, 117, 71-85.	5.3	23

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19	BEHAVIOUR OF REINFORCED CONCRETE BEAMS WITHOUT STIRRUPS SUBJECTED TO STEEL REINFORCEMENT CORROSION. Journal of Civil Engineering and Management, 2016, 22, 146-153.	3.5	12
20	Efficiency of CFRP Strengthening in Controlling the Deflection of RC Beams in a Redundant Structural System. Journal of Composites for Construction, 2016, 20, .	3.2	2
21	Influence of Stirrup Corrosion on Shear Strength of Reinforced Concrete Slender Beams. ACI Structural Journal, 2016, 113, .	0.2	28
22	Effect of basic design parameters on IC debonding of CFRP-strengthened shallow RC beams. Journal of Reinforced Plastics and Composites, 2015, 34, 1526-1539.	3.1	24
23	EFFECT OF STIRRUP CORROSION ON THE SHEAR STRENGTH OF REINFORCED CONCRETE SHORT BEAMS. Journal of Civil Engineering and Management, 2015, 22, 491-499.	3.5	6
24	Strengthening of structurally damaged wide shallow RC beams using externally bonded CFRP plates. Latin American Journal of Solids and Structures, 2014, 11, 946-965.	1.0	18
25	Strut and tie modeling for RC short beams with corroded stirrups. Latin American Journal of Solids and Structures, 2014, 11, 2255-2270.	1.0	6
26	Effect of longitudinal CFRP strengthening on the shear resistance of reinforced concrete beams. Composites Part B: Engineering, 2014, 58, 422-429.	12.0	31
27	Long-term behavior of wide shallow RC beams strengthened with externally bonded CFRP plates. Construction and Building Materials, 2014, 51, 473-483.	7.2	27
28	Performance of Fiber-Reinforced Self-Consolidating Concrete for Repair of Reinforced Concrete Beams. ACI Structural Journal, 2014, 111, .	0.2	23
29	Shear strength of fibre-reinforced polymer reinforced concrete deep beams without web reinforcement. Canadian Journal of Civil Engineering, 2012, 39, 546-555.	1.3	46
30	Behavior of Wide Shallow RC Beams Strengthened with CFRP Reinforcement. Journal of Composites for Construction, 2012, 16, 418-429.	3.2	21
31	Analytical study on RC beams strengthened for flexure with externally bonded FRP reinforcement. Composites Part B: Engineering, 2012, 43, 129-141.	12.0	40
32	Strengthening of concrete slab-column connections using CFRP strips. Journal of King Saud University, Engineering Sciences, 2012, 24, 25-33.	2.0	27
33	Evaluation of Shear Design Equations of Concrete Beams with FRP Reinforcement. Journal of Composites for Construction, 2011, 15, 9-20.	3.2	50
34	Bend Strength of FRP Stirrups: Comparison and Evaluation of Testing Methods. Journal of Composites for Construction, 2010, 14, 3-10.	3.2	84
35	Shear strength of disturbed regions with corroded stirrups in reinforced concrete beams. Canadian Journal of Civil Engineering, 2010, 37, 1045-1056.	1.3	26
36	Evaluation of the new Canadian highway bridge design code shear provisions for concrete beams with fiber-reinforced polymer reinforcement. Canadian Journal of Civil Engineering, 2008, 35, 609-623.	1.3	23

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37	Discussion of "New <i>Canadian Highway Bridge Design Code</i> design provisions for fibre-reinforced structures" Canadian Journal of Civil Engineering, 2007, 34, 1375-1377.	1.3	1
38	Mechanical and Structural Characterization of New Carbon FRP Stirrups for Concrete Members. Journal of Composites for Construction, 2007, 11, 352-362.	3.2	67
39	Shear Strength of One-Way Concrete Slabs Reinforced with Fiber-Reinforced Polymer Composite Bars. Journal of Composites for Construction, 2005, 9, 147-157.	3.2	96