Ali Amin

List of Publications by Year
in descending order

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33 papers	803 citations	516710 16 h-index	501196 28 g-index
33 all docs	33 docs citations	33 times ranked	619 citing authors

#	Article	IF	Citations
1	Shear strength of steel fibre reinforced concrete beams with stirrups. Engineering Structures, 2016, 111, 323-332.	5.3	118
2	Derivation of the Ïƒâ€w relationship for SFRC from prism bending tests. Structural Concrete, 2015, 16, 93-105.	3.1	95
3	The behaviour of steel-fibre-reinforced geopolymer concrete beams in shear. Magazine of Concrete Research, 2013, 65, 308-318.	2.0	65
4	Material characterisation of macro synthetic fibre reinforced concrete. Cement and Concrete Composites, 2017, 84, 124-133.	10.7	55
5	Shear transfer across cracks in steel fibre reinforced concrete. Engineering Structures, 2019, 186, 508-524.	5.3	54
6	Analysis of Current and Future Water Demands in the Upper Indus Basin under IPCC Climate and Socio-Economic Scenarios Using a Hydro-Economic WEAP Model. Water (Switzerland), 2018, 10, 537.	2.7	52
7	Modelling the tension stiffening effect in SFR-RC. Magazine of Concrete Research, 2016, 68, 339-352.	2.0	38
8	Instantaneous deflection calculation for steel fibre reinforced concrete one way members. Engineering Structures, 2017, 131, 438-445.	5.3	38
9	Integrated hydrological modeling for assessment of water demand and supply under socio-economic and IPCC climate change scenarios using WEAP in Central Indus Basin. Journal of Water Supply: Research and Technology - AQUA, 2019, 68, 136-148.	1.4	30
10	Experimental, numerical and analytical study on the shock wave propagation through impedance-graded multi-metallic systems. International Journal of Mechanical Sciences, 2020, 178, 105621.	6.7	25
11	Strength of steel fiber reinforced concrete beams in pure torsion. Structural Concrete, 2018, 19, 684-694.	3.1	23
12	Instantaneous Crack Width Calculation for Steel Fiber-Reinforced Concrete Flexural Members. ACI Structural Journal, 2018, 115, .	0.2	23
13	Design of steel fiber reinforced concrete beams for shear using inverse analysis for determination of residual tensile strength. Structural Concrete, 2018, 19, 129-140.	3.1	22
14	Strength and Deformation Capacity of Tension and Flexural RC Members Containing Steel Fibers. Journal of Structural Engineering, 2020, 146, .	3.4	21
15	Predicting the flexural response of steel fibre reinforced concrete prisms using a sectional model. Cement and Concrete Composites, 2016, 67, 1-11.	10.7	17
16	Comparison between an uncoupled one-way and two-way fluid structure interaction simulation on a super-tall slender structure. Engineering Structures, 2021, 229, 111636.	5.3	17
17	Steel Fiber-Reinforced Concrete Beamsâ€"Part I: Material Characterization and In-Service Behavior. ACI Structural Journal, 2019, 116, .	0.2	13
18	Investigation into the use of macro synthetic fibre reinforced concrete for breakwater armour units. Coastal Engineering, 2018, 140, 60-71.	4.0	11

#	Article	IF	Citations
19	Experimental Study of Progressive Collapse Resistance of RC Framed Structures. ACI Structural Journal, 2017, 114, .	0.2	11
20	Compression Field Analysis of Fiber-Reinforced Concrete Based on Cracked Membrane Model. ACI Structural Journal, 2019, 116, .	0.2	11
21	Stress field solution for strip loaded reinforced concrete blocks. Engineering Structures, 2018, 171, 911-920.	5.3	9
22	Effect of the boundary conditions on the Australian uniaxial tension test for softening steel fibre reinforced concrete. Construction and Building Materials, 2018, 184, 215-228.	7.2	9
23	Behavior of fiber reinforced concrete members under sustained axial/flexural load. Structural Concrete, 2020, 21, 1441-1457.	3.1	7
24	Early age bond stress-slip behaviour of macro-synthetic fibre reinforced concrete. Construction and Building Materials, 2021, 301, 124097.	7.2	7
25	Simplified prediction of the time dependent deflection of SFRC flexural members. Materials and Structures/Materiaux Et Constructions, 2020, 53, 1.	3.1	6
26	Discussion on â€œAssessing the influence of fibers on the flexural behavior of reinforced concrete beams with different longitudinal reinforcement ratiosâ€•by Conforti et al. [structural concrete, 2020]. Structural Concrete, 2021, 22, 1888-1891.	3.1	6
27	Steel Fiber-Reinforced Concrete Beamsâ€”Part II: Strength, Ductility and Design. ACI Structural Journal, 2019, 116, .	0.2	6
28	Simplified timeâ€dependent crack width prediction for fiber reinforced concrete flexural members. Structural Concrete, 2021, 22, 1549-1560.	3.1	4
29	A unified approach for determining the strength of FRC beams subjected to torsionâ€“Part II: Analytical modeling. Structural Concrete, 2021, 22, 3780-3797.	3.1	4
30	Stress propagation and debonding effects in impedance-graded multi-metallic systems under impact loading. International Journal of Protective Structures, 2021, 12, 3-21.	2.3	3
31	A unified approach for determining the strength of Frc members subjected to torsionâ€”Part I: Experimental investigation. Structural Concrete, 2021, 22, 3763.	3.1	2
32	Effects of Silane Treatment of Steel Fibres on Mechanical Properties and Durability of SFRC. , 2018, , 165-172.		1
33	Time Dependent Deflection of FRC Members Under Sustained Axial and Flexural Loading. RILEM Bookseries, 2021, , 368-379.	0.4	0