Husam H Hussein

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4625154/publications.pdf

Version: 2024-02-01

41	785	623734	526287
papers	citations	14 h-index	27 g-index

41	41	41	398
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flexural strengthening of reinforced concrete beams or slabs using ultra-high performance concrete (UHPC): A state of the art review. Engineering Structures, 2020, 205, 110035.	5.3	134
2	Interfacial Properties of Ultrahigh-Performance Concrete and High-Strength Concrete Bridge Connections. Journal of Materials in Civil Engineering, 2016, 28, .	2.9	78
3	Numerical modeling for damaged reinforced concrete slab strengthened by ultra-high performance concrete (UHPC) layer. Engineering Structures, 2020, 209, 110031.	5.3	55
4	A review: Material and structural properties of UHPC at elevated temperatures or fire conditions. Cement and Concrete Composites, 2021, 123, 104212.	10.7	53
5	Experimental study and theoretical prediction on shrinkage-induced restrained stresses in UHPC-RC composites under normal curing and steam curing. Cement and Concrete Composites, 2020, 110, 103602.	10.7	51
6	Modeling the Shear Connection in Adjacent Box-Beam Bridges with Ultrahigh-Performance Concrete Joints. I: Model Calibration and Validation. Journal of Bridge Engineering, 2017, 22, .	2.9	49
7	Material Properties of Synthetic Fiberâ€“Reinforced Concrete under Freeze-Thaw Conditions. Journal of Materials in Civil Engineering, 2018, 30, .	2.9	38
8	Laboratory Evaluation of Ultrahigh-Performance Concrete Shear Key for Prestressed Adjacent Precast Concrete Box Girder Bridges. Journal of Bridge Engineering, 2017, 22, .	2.9	30
9	Experimental research on torsional strength of synthetic/steel fiber-reinforced hollow concrete beam. Engineering Structures, 2020, 220, 110948.	5.3	30
10	Shape Optimization of UHPC Shear Keys for Precast, Prestressed, Adjacent Box-Girder Bridges. Journal of Bridge Engineering, 2018, 23, .	2.9	29
11	Flexural Study on UHPCâ€“Steel Composite Beams with Joints under Negative Bending Moment. Journal of Bridge Engineering, 2020, 25, .	2.9	26
12	Modeling the Shear Connection in Adjacent Box-Beam Bridges with Ultrahigh-Performance Concrete Joints. II: Load Transfer Mechanism. Journal of Bridge Engineering, 2017, 22, .	2.9	21
13	The Use of Hashin Damage Criteria, CFRPâ€“Concrete Interface and Concrete Damage Plasticity Models in 3D Finite Element Modeling of Retrofitted Reinforced Concrete Beams with CFRP Sheets. Arabian Journal for Science and Engineering, 2017, 42, 1171-1184.	3.0	17
14	Environment-Induced Behavior of Transverse Tie Bars in Adjacent Prestressed Box-Girder Bridges with Partial Depth Shear Keys. Journal of Performance of Constructed Facilities, 2017, 31, .	2.0	15
15	Field investigation of ultra-high performance concrete shear key in an adjacent box-girder bridge. Structure and Infrastructure Engineering, 2019, 15, 663-678.	3.7	15
16	Experimental validation of optimized ultra-high-performance concrete shear key shape for precast pre-stressed adjacent box girder bridges. Construction and Building Materials, 2018, 190, 178-190.	7.2	14
17	Experimental Investigation of Thin-wall Synthetic Fiber Reinforced Concrete Pipes. ACI Structural Journal, 2018, 115, .	0.2	14
18	Contribution of Transverse Tie Bars to Load Transfer in Adjacent Prestressed Box-Girder Bridges with Partial Depth Shear Key. Journal of Performance of Constructed Facilities, 2017, 31, .	2.0	12

#	Article	IF	Citations
19	Experimental study and theoretical prediction on torsional strength with different steel fiber reinforced concretes and Cross-Section areas. Engineering Structures, 2022, 251, 113559.	5.3	12
20	Load Capacity of Corrugated Steel Pipe with Extreme Corrosion under Shallow Cover. Journal of Performance of Constructed Facilities, 2018, 32, .	2.0	11
21	Effects of Coarse Aggregate Maximum Size on Synthetic/Steel Fiber Reinforced Concrete Performance with Different Fiber Parameters. Buildings, 2021, 11, 158.	3.1	11
22	Experimental investigation of flexural and shear behaviors of reinforced concrete beam containing fine plastic waste aggregates. Structures, 2022, 43, 834-846.	3.6	9
23	Effect of Aspect Ratios of Hooked End and Straight Steel Fibers on the Tensile Strength of UHPFRC. Journal of Materials in Civil Engineering, 2022, 34, .	2.9	8
24	Structural Behavior of Reinforced Concrete Slabs Containing Fine Waste Aggregates of Polyvinyl Chloride. Buildings, 2021, 11, 26.	3.1	7
25	Existing Inverse Analysis Approaches for Tensile Stressâ€“Strain Relationship of UHPC with Treated Steel Fibers. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	7
26	Fiber Orientation in Ultra-High-Performance Concrete Shear Keys of Adjacent-Box-Beam Bridges. ACI Materials Journal, 2018, 115, .	0.2	7
27	Flexural strengthening of large-scale damaged reinforced concrete bridge slab using UHPC layer with different interface techniques. Structure and Infrastructure Engineering, 2022, 18, 879-892.	3.7	5
28	Effect of Extreme Temperatures on the Coefficient of Thermal Expansion for Ultra-High Performance Concrete. , 2016, , .		5
29	Design Proposal for Synthetic Fiber-Reinforced Concrete Pipes Using Finite Element Analysis. Journal of Testing and Evaluation, 2020, 48, 871-895.	0.7	4
30	Experimental Study on Performance of Steel Fiber-Reinforced Concrete V-Shaped Columns. Buildings, 2021, 11, 648.	3.1	4
31	Experimental and numerical investigation on optimized ultra-high performance concrete shear key with shear reinforcement bars. Structures, 2022, 40, 403-419.	3.6	3
32	Normal concrete and ultra-high-performance concrete shrinkage and creep models: Development and Application. Advances in Structural Engineering, 2022, 25, 2400-2412.	2.4	3
33	Evaluation of Ultra-High Performance Concrete Grout Performance under Longitudinal Shear. , 2017, , .		2
34	Experimental Study on Shear Strength of Synthetic Fiber Reinforced High Strength Concrete Containing Slag Aggregate. , 2019, , .		2
35	Field Investigation of Metal Multi-Pipe Culvert under Shallow Cover. , 2020, , .		2
36	The Thermal Expansion of Synthetic Fiber-Reinforced Concrete under Air-Dry and Saturated Conditions. , 2017, , .		1

#	Article	IF	Citations
37	Thin-Wall Synthetic Fiber Reinforced Concrete Pipe Performance under Cyclic Loading. , 2019, , .		1
38	Thin-Walled Steel Fiber Reinforced Concrete Pipes Performance under Three-Edge Bearing Load. , 2018, , .		0
39	Investigation of Dynamic Impact Factor of Metal Multipipe Culvert under Shallow Cover. , 2021, , .		0
40	Finite Element Investigation of Corrugated Steel Pipe with Extreme Corrosion under Shallow Cover. , 2021, , .		0
41	Effects of Interface Roughness on Shear Key Performance of Ultra-High Performance Concrete in Adjacent Box Girder Bridges. , 2019, , .		0