

Husam H Hussein

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

785
citations

623734

14
h-index

526287

27
g-index

41
all docs

41
docs citations

41
times ranked

398
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Flexural strengthening of large-scale damaged reinforced concrete bridge slab using UHPC layer with different interface techniques. <i>Structure and Infrastructure Engineering</i> , 2022, 18, 879-892. | 3.7 | 5 |
| 2 | Experimental study and theoretical prediction on torsional strength with different steel fiber reinforced concretes and Cross-Section areas. <i>Engineering Structures</i> , 2022, 251, 113559. | 5.3 | 12 |
| 3 | Experimental and numerical investigation on optimized ultra-high performance concrete shear key with shear reinforcement bars. <i>Structures</i> , 2022, 40, 403-419. | 3.6 | 3 |
| 4 | Normal concrete and ultra-high-performance concrete shrinkage and creep models: Development and Application. <i>Advances in Structural Engineering</i> , 2022, 25, 2400-2412. | 2.4 | 3 |
| 5 | Effect of Aspect Ratios of Hooked End and Straight Steel Fibers on the Tensile Strength of UHPFRC. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, . | 2.9 | 8 |
| 6 | Experimental investigation of flexural and shear behaviors of reinforced concrete beam containing fine plastic waste aggregates. <i>Structures</i> , 2022, 43, 834-846. | 3.6 | 9 |
| 7 | Structural Behavior of Reinforced Concrete Slabs Containing Fine Waste Aggregates of Polyvinyl Chloride. <i>Buildings</i> , 2021, 11, 26. | 3.1 | 7 |
| 8 | Effects of Coarse Aggregate Maximum Size on Synthetic/Steel Fiber Reinforced Concrete Performance with Different Fiber Parameters. <i>Buildings</i> , 2021, 11, 158. | 3.1 | 11 |
| 9 | Existing Inverse Analysis Approaches for Tensile Stress-Strain Relationship of UHPC with Treated Steel Fibers. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, . | 2.9 | 7 |
| 10 | Investigation of Dynamic Impact Factor of Metal Multipipe Culvert under Shallow Cover. , 2021, , . | | 0 |
| 11 | Finite Element Investigation of Corrugated Steel Pipe with Extreme Corrosion under Shallow Cover. , 2021, , . | | 0 |
| 12 | A review: Material and structural properties of UHPC at elevated temperatures or fire conditions. <i>Cement and Concrete Composites</i> , 2021, 123, 104212. | 10.7 | 53 |
| 13 | Experimental Study on Performance of Steel Fiber-Reinforced Concrete V-Shaped Columns. <i>Buildings</i> , 2021, 11, 648. | 3.1 | 4 |
| 14 | Flexural strengthening of reinforced concrete beams or slabs using ultra-high performance concrete (UHPC): A state of the art review. <i>Engineering Structures</i> , 2020, 205, 110035. | 5.3 | 134 |
| 15 | Numerical modeling for damaged reinforced concrete slab strengthened by ultra-high performance concrete (UHPC) layer. <i>Engineering Structures</i> , 2020, 209, 110031. | 5.3 | 55 |
| 16 | Flexural Study on UHPC-Steel Composite Beams with Joints under Negative Bending Moment. <i>Journal of Bridge Engineering</i> , 2020, 25, . | 2.9 | 26 |
| 17 | Field Investigation of Metal Multi-Pipe Culvert under Shallow Cover. , 2020, , . | | 2 |
| 18 | Experimental research on torsional strength of synthetic/steel fiber-reinforced hollow concrete beam. <i>Engineering Structures</i> , 2020, 220, 110948. | 5.3 | 30 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | 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 |
| 20 | Design Proposal for Synthetic Fiber-Reinforced Concrete Pipes Using Finite Element Analysis. Journal of Testing and Evaluation, 2020, 48, 871-895. | 0.7 | 4 |
| 21 | Thin-Wall Synthetic Fiber Reinforced Concrete Pipe Performance under Cyclic Loading. , 2019, , . | | 1 |
| 22 | Experimental Study on Shear Strength of Synthetic Fiber Reinforced High Strength Concrete Containing Slag Aggregate. , 2019, , . | | 2 |
| 23 | 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 |
| 24 | Effects of Interface Roughness on Shear Key Performance of Ultra-High Performance Concrete in Adjacent Box Girder Bridges. , 2019, , . | | 0 |
| 25 | Shape Optimization of UHPC Shear Keys for Precast, Prestressed, Adjacent Box-Girder Bridges. Journal of Bridge Engineering, 2018, 23, . | 2.9 | 29 |
| 26 | Material Properties of Synthetic Fiber-Reinforced Concrete under Freeze-Thaw Conditions. Journal of Materials in Civil Engineering, 2018, 30, . | 2.9 | 38 |
| 27 | 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 |
| 28 | Load Capacity of Corrugated Steel Pipe with Extreme Corrosion under Shallow Cover. Journal of Performance of Constructed Facilities, 2018, 32, . | 2.0 | 11 |
| 29 | Thin-Walled Steel Fiber Reinforced Concrete Pipes Performance under Three-Edge Bearing Load. , 2018, , . | | 0 |
| 30 | Fiber Orientation in Ultra-High-Performance Concrete Shear Keys of Adjacent-Box-Beam Bridges. ACI Materials Journal, 2018, 115, . | 0.2 | 7 |
| 31 | Experimental Investigation of Thin-wall Synthetic Fiber Reinforced Concrete Pipes. ACI Structural Journal, 2018, 115, . | 0.2 | 14 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | The Use of Hashin Damage Criteria, CFRP-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 |
| 36 | The Thermal Expansion of Synthetic Fiber-Reinforced Concrete under Air-Dry and Saturated Conditions. , 2017, , . | | 1 |

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|----|---|-----|-----------|
| 37 | Evaluation of Ultra-High Performance Concrete Grout Performance under Longitudinal Shear. , 2017, , . | | 2 |
| 38 | 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 |
| 39 | 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 |
| 40 | Interfacial Properties of Ultrahigh-Performance Concrete and High-Strength Concrete Bridge Connections. Journal of Materials in Civil Engineering, 2016, 28, . | 2.9 | 78 |
| 41 | Effect of Extreme Temperatures on the Coefficient of Thermal Expansion for Ultra-High Performance Concrete. , 2016, , . | | 5 |