# Mohammad Javad Taheri Amiri

## List of Publications by Citations

| 44 papers | 3,287 citations | 31 h-index | 44 g-index |
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| 44 ext. papers | 3,960 ext. citations | 4 avg, IF | 6.4 L-index |

| # | Paper | IF | Citations |
|---|-------|-----|-----------|
| 44 | Mechanical and durability properties of high-strength concrete containing steel and polypropylene fibers. *Construction and Building Materials*, **2015**, 94, 73-82 | 6.7 | 335 |
| 43 | Use of recycled plastics in concrete: A critical review. *Waste Management*, **2016**, 51, 19-42 | 8.6 | 290 |
| 42 | High-performance fiber-reinforced concrete: a review. *Journal of Materials Science*, **2016**, 51, 6517-6551 | 4.3 | 231 |
| 41 | Behavior of FRP-Confined Normal- and High-Strength Concrete under Cyclic Axial Compression. *Journal of Composites for Construction*, **2012**, 16, 451-463 | 3.3 | 203 |
| 40 | Confinement Model for FRP-Confined High-Strength Concrete. *Journal of Composites for Construction*, **2014**, 18, 04013058 | 3.3 | 138 |
| 39 | New formulations for mechanical properties of recycled aggregate concrete using gene expression programming. *Construction and Building Materials*, **2017**, 130, 122-145 | 6.7 | 137 |
| 38 | Influence of double hooked-end steel fibers and slag on mechanical and durability properties of high performance recycled aggregate concrete. *Composite Structures*, **2017**, 181, 273-284 | 5.3 | 123 |
| 37 | Axial Compressive Behavior of Square and Rectangular High-Strength Concrete-Filled FRP Tubes. *Journal of Composites for Construction*, **2013**, 17, 151-161 | 3.3 | 122 |
| 36 | Axial Compressive Behavior of Circular High-Strength Concrete-Filled FRP Tubes. *Journal of Composites for Construction*, **2014**, 18, 04013037 | 3.3 | 114 |
| 35 | Behavior of steel fiber-reinforced high-strength concrete-filled FRP tube columns under axial compression. *Engineering Structures*, **2015**, 90, 158-171 | 4.7 | 96 |
| 34 | Lateral Strain-to-Axial Strain Relationship of Confined Concrete. *Journal of Structural Engineering*, **2015**, 141, 04014141 | 3 | 93 |
| 33 | Hoop strains in FRP-confined concrete columns: experimental observations. *Materials and Structures/Materiaux Et Constructions*, **2015**, 48, 2839-2854 | 3.4 | 92 |
| 32 | Seismic Behavior of FRP-High-Strength Concrete–Steel Double-Skin Tubular Columns. *Journal of Structural Engineering*, **2014**, 140, 04014019 | 3 | 91 |
| 31 | Seismic Behavior of High-Strength Concrete-Filled FRP Tube Columns. *Journal of Composites for Construction*, **2013**, 17, 04013013 | 3.3 | 91 |
| 30 | Design model for FRP-confined normal- and high-strength concrete square and rectangular columns. *Magazine of Concrete Research*, **2014**, 66, 1020-1035 | 2 | 80 |
| 29 | Axial Compressive Behavior of FRP-Concrete-Steel Double-Skin Tubular Columns Made of Normal- and High-Strength Concrete. *Journal of Composites for Construction*, **2014**, 18, 04013027 | 3.3 | 79 |
| 28 | Unified Stress-Strain Model for FRP and Actively Confined Normal-Strength and High-Strength Concrete. *Journal of Composites for Construction*, **2015**, 19, 04014072 | 3.3 | 67 |

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| 27 | Predicting behavior of FRP-confined concrete using neuro fuzzy, neural network, multivariate adaptive regression splines and M5 model tree techniques. *Materials and Structures/Materiaux Et Constructions*, **2016**, 49, 4319-4334 | 3.4 | 67 |
| 26 | Evaluation of peak and residual conditions of actively confined concrete using neuro-fuzzy and neural computing techniques. *Neural Computing and Applications*, **2018**, 29, 873-888 | 4.8 | 65 |
| 25 | Investigation of the Influence of the Application Path of Confining Pressure: Tests on Actively Confined and FRP-Confined Concretes. *Journal of Structural Engineering*, **2015**, 141, 04014203 | 3 | 61 |
| 24 | Concrete-Filled FRP Tubes: Manufacture and Testing of New Forms Designed for Improved Performance. *Journal of Composites for Construction*, **2013**, 17, 280-291 | 3.3 | 59 |
| 23 | Compressive strength of Foamed Cellular Lightweight Concrete simulation: New development of hybrid artificial intelligence model. *Construction and Building Materials*, **2020**, 230, 117048 | 6.7 | 58 |
| 22 | FRP-HSC-Steel composite columns: behavior under monotonic and cyclic axial compression. *Materials and Structures/Materiaux Et Constructions*, **2015**, 48, 1075-1093 | 3.4 | 54 |
| 21 | Compressive Behavior of Prestressed High-Strength Concrete-Filled Aramid FRP Tube Columns: Experimental Observations. *Journal of Composites for Construction*, **2015**, 19, 04015003 | 3.3 | 54 |
| 20 | Evaluation of ultimate conditions of FRP-confined concrete columns using genetic programming. *Computers and Structures*, **2016**, 162, 28-37 | 4.5 | 52 |
| 19 | Ternary blended cement: An eco-friendly alternative to improve resistivity of high-performance self-consolidating concrete against elevated temperature. *Journal of Cleaner Production*, **2019**, 223, 575-586 | 10.3 | 52 |
| 18 | Effect of SnO 2 , ZrO 2 , and CaCO 3 nanoparticles on water transport and durability properties of self-compacting mortar containing fly ash: Experimental observations and ANFIS predictions. *Construction and Building Materials*, **2018**, 158, 823-834 | 6.7 | 48 |
| 17 | Evaluation of mechanical properties of concretes containing coarse recycled concrete aggregates using multivariate adaptive regression splines (MARS), M5 model tree (M5Tree), and least squares support vector regression (LSSVR) models. *Neural Computing and Applications*, **2020**, 32, 295-308 | 4.8 | 43 |
| 16 | Influence of Slenderness on Stress-Strain Behavior of Concrete-Filled FRP Tubes: Experimental Study. *Journal of Composites for Construction*, **2015**, 19, 04014029 | 3.3 | 38 |
| 15 | Prediction of compressive strength and ultrasonic pulse velocity of fiber reinforced concrete incorporating nano silica using heuristic regression methods. *Construction and Building Materials*, **2018**, 190, 479-494 | 6.7 | 38 |
| 14 | Revealing the dependence of the physiochemical and mechanical properties of cement composites on graphene oxide concentration. *RSC Advances*, **2017**, 7, 55148-55156 | 3.7 | 32 |
| 13 | Influence of overlap configuration on compressive behavior of CFRP-confined normal- and high-strength concrete. *Materials and Structures/Materiaux Et Constructions*, **2016**, 49, 1245-1268 | 3.4 | 29 |
| 12 | Modeling the behavior of FRP-confined concrete using dynamic harmony search algorithm. *Engineering With Computers*, **2017**, 33, 415-430 | 4.5 | 28 |
| 11 | Influence of coal ash properties on compressive behaviour of FA- and BA-based GPC. *Magazine of Concrete Research*, **2015**, 67, 1301-1314 | 2 | 25 |
| 10 | Behavior of FRP-HSC-Steel Double-Skin Tubular Columns under Cyclic Axial Compression. *Journal of Composites for Construction*, **2015**, 19, 04014041 | 3.3 | 23 |

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| 9 | Short-Term Mechanical Properties of Concrete Containing Recycled Polypropylene Coarse Aggregates under Ambient and Elevated Temperature. *Journal of Materials in Civil Engineering*, **2017**, 29, 04017191 | 3 | 21 |
| 8 | Classification-Based Regression Models for Prediction of the Mechanical Properties of Roller-Compacted Concrete Pavement. *Applied Sciences (Switzerland)*, **2020**, 10, 3707 | 2.6 | 14 |
| 7 | Multi-project Time-cost Optimization in Critical Chain with Resource Constraints. *KSCE Journal of Civil Engineering*, **2018**, 22, 3738-3752 | 1.9 | 11 |
| 6 | Development of a non-dominated sorting genetic algorithm for implementing circular economy strategies in the concrete industry. *Sustainable Production and Consumption*, **2021**, 27, 933-946 | 8.2 | 11 |
| 5 | Lateral Strain-To-Axial Strain Model for Concrete-Filled FRP Tube Columns Incorporating Interface Gap and Prestressed Confinement. *Journal of Composites for Construction*, **2017**, 21, 04017021 | 3.3 | 8 |
| 4 | Recycle of ground granulated blast furnace slag and fly ash on eco-friendly brick production. *European Journal of Environmental and Civil Engineering*, **2020**, 1-19 | 1.5 | 8 |
| 3 | Construction and Monitoring of Cement/Bentonite Cutoff Walls: Case Study of Karkheh Dam, Iran. *Studia Geotechnica Et Mechanica*, **2019**, 41, 184-199 | 1 | 3 |
| 2 | Low-velocity impact behavior of a carbon/bismaleimide composite proposed for supersonic flight simulation after hygrothermal cycling. *Polymer Composites*, **2019**, 40, E1588-E1599 | 3 | 2 |
| 1 | On the implementation of the interpretable data-intelligence model for designing service life of structural concrete in a marine environment. *Ocean Engineering*, **2022**, 256, 111523 | 3.9 | 1 |