

# Ali Akbar Shirzadi Javid

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33  
papers

216  
citations

8  
h-index

13  
g-index

35  
ext. papers

318  
ext. citations

3.9  
avg, IF

3.94  
L-index

| #  | Paper                                                                                                                                                                                                                                                                | IF  | Citations |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 33 | Estimating the Optimal Mixture Design of Concrete Pavements Using a Numerical Method and Meta-heuristic Algorithms. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , <b>2021</b> , 45, 913-927                                 | 1.1 | 10        |
| 32 | Experimental and Numerical Investigation of Repair Dimensions Effect on Macro-cell Corrosion Induced by Concrete Slabs Patch Repair. <i>International Journal of Civil Engineering</i> , <b>2021</b> , 19, 1091-1110                                                 | 1.9 | 0         |
| 31 | Magnesium Sulfate (MgSO <sub>4</sub> ) Attack and Chloride Isothermal Effects on the Self-consolidating Concrete Containing Metakaolin and Zeolite. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , <b>2021</b> , 45, 165-180 | 1.1 | 3         |
| 30 | Investigating the Effects of Mixing Time and Mixing Speed on Rheological Properties, Workability, and Mechanical Properties of Self-Consolidating Concretes. <i>International Journal of Civil Engineering</i> , <b>2021</b> , 19, 339-355                           | 1.9 | 3         |
| 29 | Evaluating fresh state, hardened State, thermal expansion and bond properties of geopolymers for the repairing of concrete pavements under restrained conditions. <i>Construction and Building Materials</i> , <b>2021</b> , 292, 123398                             | 6.7 | 4         |
| 28 | Experimental and numerical analysis of the effects of different repair mortars on the controlling factors of macro-cell corrosion in concrete patch repair. <i>Cement and Concrete Composites</i> , <b>2021</b> , 121, 104077                                        | 8.6 | 6         |
| 27 | Investigation of the mechanical properties of concrete containing recycled aggregate and scrap crumb rubber and polypropylene fibers. <i>Progress in Rubber, Plastics and Recycling Technology</i> , <b>2020</b> , 147776062097750                                   | 1.7 | 0         |
| 26 | Durability of self-consolidating concrete and mortar mixtures containing ternary and quaternary cement blends exposed to simulated marine environment. <i>Construction and Building Materials</i> , <b>2020</b> , 259, 119767                                        | 6.7 | 9         |
| 25 | Graphene oxide for surface treatment of concrete: A novel method to protect concrete. <i>Construction and Building Materials</i> , <b>2020</b> , 243, 118229                                                                                                         | 6.7 | 11        |
| 24 | The Comparison and Introduction of Plate Test and Electrical Resistance Methods of Determining the Setting Time and Thixotropy of Self-Consolidating Concrete. <i>Journal of Testing and Evaluation</i> , <b>2020</b> , 48, 20180326                                 | 1   | 1         |
| 23 | Microstructural study and surface properties of concrete pavements containing nanoparticles. <i>Construction and Building Materials</i> , <b>2020</b> , 262, 120103                                                                                                  | 6.7 | 6         |
| 22 | Evaluation of Mechanical and Durability Properties of Concrete Containing Natural Chekneh Pozzolan and Wood Chips. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> , <b>2020</b> , 44, 1159-1170                                | 1.1 | 1         |
| 21 | A new photogrammetry method to study the relationship between thixotropy and bond strength of multi-layers casting of self-consolidating concrete. <i>Construction and Building Materials</i> , <b>2019</b> , 204, 530-540                                           | 6.7 | 5         |
| 20 | Effects of Spraying Various Nanoparticles at Early Ages on Improving Surface Characteristics of Concrete Pavements. <i>International Journal of Civil Engineering</i> , <b>2019</b> , 17, 1455-1468                                                                  | 1.9 | 7         |
| 19 | Predicting the Formwork Lateral Pressure of Self-consolidating Concrete Based on Experimental Thixotropy Values. <i>International Journal of Civil Engineering</i> , <b>2019</b> , 17, 1131-1144                                                                     | 1.9 | 6         |
| 18 | Effects of micro-nano bubble water and binary mineral admixtures on the mechanical and durability properties of concrete. <i>Construction and Building Materials</i> , <b>2018</b> , 164, 371-385                                                                    | 6.7 | 20        |
| 17 | Effect of chloride treatment curing condition on the mechanical properties and durability of concrete containing zeolite and micro-nano-bubble water. <i>Construction and Building Materials</i> , <b>2018</b> , 177, 417-427                                        | 6.7 | 10        |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 16 | Physical and chemical effects of siliceous particles at nano, micro, and macro scales on properties of self-consolidating mortar overlays. <i>Construction and Building Materials</i> , <b>2018</b> , 189, 1140-1154                                           | 6.7 | 6  |
| 15 | Introducing a Method to Determine Nonautoclaved Aerated Concrete Air content Based on Packing Theory. <i>Journal of Materials in Civil Engineering</i> , <b>2018</b> , 30, 04017312                                                                            | 3   | 2  |
| 14 | Packing density and surface finishing condition effects on the mechanical properties of various concrete pavements containing cement replacement admixtures. <i>Construction and Building Materials</i> , <b>2017</b> , 141, 307-314                           | 6.7 | 8  |
| 13 | Corrosion-induced reduction in compressive strength of self-compacting concretes containing mineral admixtures. <i>Construction and Building Materials</i> , <b>2016</b> , 113, 221-228                                                                        | 6.7 | 17 |
| 12 | A new method to determine initial setting time of cement and concrete using plate test. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2016</b> , 49, 3135-3142                                                                               | 3-4 | 8  |
| 11 | A Fuzzy System Methodology for Concrete Mixture Design Considering Maximum Packing Density and Minimum Cement Content. <i>Arabian Journal for Science and Engineering</i> , <b>2015</b> , 40, 2239-2249                                                        |     | 7  |
| 10 | Effects of particle packing density on the stability and rheology of self-consolidating concrete containing mineral admixtures. <i>Construction and Building Materials</i> , <b>2014</b> , 53, 102-109                                                         | 6.7 | 45 |
| 9  | Effect of reinforcement on plastic shrinkage and settlement of self-consolidating concrete as repair material. <i>Materials and Structures/Materiaux Et Constructions</i> , <b>2012</b> , 45, 41-52                                                            | 3-4 | 12 |
| 8  | Plastic Shrinkage Evaluation of Self-Consolidating Concrete as Repair Materials Based on Restrained and Free Strain Measurements <b>2010</b> , 295-306                                                                                                         |     |    |
| 7  | Construction projects risk assessment based on fuzzy AHP <b>2009</b> ,                                                                                                                                                                                         |     | 1  |
| 6  | Influence of Pumice and Metakaolin on Compressive Strength and Durability of Concrete in Acidic Media and on Chloride Resistance under Immersion and Tidal Conditions. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> ,1 | 1.1 | 0  |
| 5  | Durability and Mechanical Properties of Pumice-based Geopolymers: A Sustainable Material for Future. <i>Iranian Journal of Science and Technology - Transactions of Civil Engineering</i> ,1                                                                   | 1.1 | 2  |
| 4  | Toward sustainability in optimizing the fly ash concrete mixture ingredients by introducing a new prediction algorithm. <i>Environment, Development and Sustainability</i> ,1                                                                                  | 4-5 | 6  |
| 3  | The assessment of durability, coefficient of thermal expansion, and bonding strength of latex modified mixtures in repairing restrained concrete pavements. <i>International Journal of Pavement Engineering</i> ,1-19                                         | 2.6 |    |
| 2  | An improvement in clash detection process by prioritizing relevance clashes using fuzzy-AHP methods. <i>Building Services Engineering Research and Technology</i> ,014362442210800                                                                             | 2.3 |    |
| 1  | BIM-based clash detection improvement automatically. <i>International Journal of Construction Management</i> ,1-7                                                                                                                                              | 1.9 | 0  |