

# Ali Akbar Shirzadi Javid

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

452  
citations

759055

12  
h-index

752573

20  
g-index

35  
all docs

35  
docs citations

35  
times ranked

340  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of particle packing density on the stability and rheology of self-consolidating concrete containing mineral admixtures. <i>Construction and Building Materials</i> , 2014, 53, 102-109.	3.2	67
2	Graphene oxide for surface treatment of concrete: A novel method to protect concrete. <i>Construction and Building Materials</i> , 2020, 243, 118229.	3.2	38
3	Effects of micro-nano bubble water and binary mineral admixtures on the mechanical and durability properties of concrete. <i>Construction and Building Materials</i> , 2018, 164, 371-385.	3.2	35
4	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> , 2018, 177, 417-427.	3.2	26
5	Corrosion-induced reduction in compressive strength of self-compacting concretes containing mineral admixtures. <i>Construction and Building Materials</i> , 2016, 113, 221-228.	3.2	24
6	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> , 2020, 259, 119767.	3.2	23
7	Toward sustainability in optimizing the fly ash concrete mixture ingredients by introducing a new prediction algorithm. <i>Environment, Development and Sustainability</i> , 2022, 24, 2767-2803.	2.7	23
8	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> , 2021, 45, 913-927.	1.0	22
9	Effect of reinforcement on plastic shrinkage and settlement of self-consolidating concrete as repair material. <i>Materials and Structures/Materiaux Et Constructions</i> , 2012, 45, 41-52.	1.3	18
10	Effects of Spraying Various Nanoparticles at Early Ages on Improving Surface Characteristics of Concrete Pavements. <i>International Journal of Civil Engineering</i> , 2019, 17, 1455-1468.	0.9	18
11	Microstructural study and surface properties of concrete pavements containing nanoparticles. <i>Construction and Building Materials</i> , 2020, 262, 120103.	3.2	17
12	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> , 2021, 292, 123398.	3.2	15
13	A new method to determine initial setting time of cement and concrete using plate test. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 3135-3142.	1.3	12
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> , 2017, 141, 307-314.	3.2	12
15	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> , 2019, 204, 530-540.	3.2	12
16	Predicting the Formwork Lateral Pressure of Self-consolidating Concrete Based on Experimental Thixotropy Values. <i>International Journal of Civil Engineering</i> , 2019, 17, 1131-1144.	0.9	12
17	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> , 2021, 121, 104077.	4.6	12
18	A Fuzzy System Methodology for Concrete Mixture Design Considering Maximum Packing Density and Minimum Cement Content. <i>Arabian Journal for Science and Engineering</i> , 2015, 40, 2239-2249.	1.1	10

#	ARTICLE	IF	CITATIONS
19	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> , 2018, 189, 1140-1154.	3.2	9
20	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> , 2021, 45, 165-180.	1.0	9
21	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> , 2021, 19, 339-355.	0.9	7
22	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> , 2022, 46, 223-235.	1.0	5
23	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> , 2021, 37, 167-189.	0.8	4
24	BIM-based clash detection improvement automatically. <i>International Journal of Construction Management</i> , 2023, 23, 2431-2437.	2.2	4
25	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> , 2020, 44, 1159-1170.	1.0	3
26	Construction projects risk assessment based on fuzzy AHP. , 2009, , .		2
27	Introducing a Method to Determine Nonautoclaved Aerated Concrete Air content Based on Packing Theory. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, 04017312.	1.3	2
28	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> , 0, , 1.	1.0	2
29	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> , 2021, 19, 1091-1110.	0.9	2
30	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> , 2020, 48, 20180326.	0.4	2
31	Integrating sustainability into construction project management: Barriers in developing countries. , 0, , .		2
32	Waste glass as a precursor in alkali-activated materials: Mechanical, durability, and microstructural properties. <i>Structural Concrete</i> , 0, , .	1.5	2
33	An improvement in clash detection process by prioritizing relevance clashes using fuzzy-AHP methods. <i>Building Services Engineering Research and Technology</i> , 2022, 43, 485-506.	0.9	1
34	Plastic Shrinkage Evaluation of Self-Consolidating Concrete as Repair Materials Based on Restrained and Free Strain Measurements. , 2010, , 295-306.		0
35	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> , 2023, 24, .	2.2	0