

# Mohammadreza Tavakkolizadeh

## List of Publications by Year in descending order

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29  
papers

1,218  
citations

567281

15  
h-index

552781

26  
g-index

29  
all docs

29  
docs citations

29  
times ranked

852  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fatigue Strength of Steel Girders Strengthened with Carbon Fiber Reinforced Polymer Patch. Journal of Structural Engineering, 2003, 129, 186-196.	3.4	240
2	Strengthening of Steel-Concrete Composite Girders Using Carbon Fiber Reinforced Polymers Sheets. Journal of Structural Engineering, 2003, 129, 30-40.	3.4	169
3	Galvanic Corrosion of Carbon and Steel in Aggressive Environments. Journal of Composites for Construction, 2001, 5, 200-210.	3.2	148
4	Improving corrosion resistance of steel rebars in concrete with marble and granite waste dust as partial cement replacement. Construction and Building Materials, 2018, 185, 110-119.	7.2	86
5	Mechanical and durability behaviour of concrete with granite waste dust as partial cement replacement under adverse exposure conditions. Construction and Building Materials, 2019, 194, 143-152.	7.2	80
6	Repair of Damaged Steel-Concrete Composite Girders Using Carbon Fiber-Reinforced Polymer Sheets. Journal of Composites for Construction, 2003, 7, 311-322.	3.2	79
7	Effect of magnetized water on foam stability and compressive strength of foam concrete. Construction and Building Materials, 2019, 197, 280-290.	7.2	66
8	Application of statistical analysis to evaluate the corrosion resistance of steel rebars embedded in concrete with marble and granite waste dust. Journal of Cleaner Production, 2019, 210, 837-846.	9.3	63
9	Effect of crushed concrete waste's maximum size as partial replacement of natural coarse aggregate on the mechanical and durability properties of concrete. Resources, Conservation and Recycling, 2019, 149, 664-673.	10.8	57
10	Effect of magnetized mixing water on the fresh and hardened state properties of steel fibre reinforced self-compacting concrete. Construction and Building Materials, 2020, 248, 118660.	7.2	31
11	Investigating chemical, physical and mechanical properties of eco-cement produced using dry sewage sludge and traditional raw materials. Journal of Cleaner Production, 2019, 214, 749-757.	9.3	30
12	Using statistical analysis and laboratory testing to evaluate the effect of magnetized water on the stability of foaming agents and foam concrete. Construction and Building Materials, 2019, 207, 28-40.	7.2	29
13	Development of applicable design models for concrete columns confined with aramid fiber reinforced polymer using Multi-Expression Programming. Structures, 2020, 23, 225-244.	3.6	29
14	Effect of magnetized water on the fresh, hardened and durability properties of mortar mixes with marble waste dust as partial replacement of cement. Construction and Building Materials, 2021, 267, 121049.	7.2	21
15	Consolidation assessment using Multi Expression Programming. Applied Soft Computing Journal, 2020, 86, 105842.	7.2	18
16	Experimental investigation on the behavior of fine-grained soils containing waste rubber tires under repeated and static loading using direct shear apparatus. Construction and Building Materials, 2019, 223, 106-119.	7.2	15
17	Strengthening of circular RC column-foundation connections with GFRP/SMA bars and CFRP wraps. Composites Part B: Engineering, 2019, 172, 161-172.	12.0	13
18	Simultaneous effect of granite waste dust as partial replacement of cement and magnetized water on the properties of concrete exposed to NaCl and H <sub>2</sub> SO <sub>4</sub> solutions. Construction and Building Materials, 2021, 288, 123064.	7.2	11

#	ARTICLE	IF	CITATIONS
19	Proposition of new applicable strength models for concrete columns confined with fiber reinforced polymers. SN Applied Sciences, 2019, 1, 1.	2.9	8
20	Finite element analysis of rectangular RC beams strengthened with FRP laminates under pure torsion. Structural Concrete, 2021, 22, 1946-1961.	3.1	7
21	Analytical study on torsional behavior of concrete beams strengthened with fiber reinforced polymer laminates using softened truss model. Advances in Structural Engineering, 2021, 24, 1642-1654.	2.4	5
22	Effect of temperature and moisture on the bond strength between fiber reinforced polymer laminates and cement-based mortar substrates. Structural Concrete, 2022, 23, 970-992.	3.1	3
23	The cyclic response of circular reinforced concrete column to foundation connections strengthened with shape memory alloy bars. Journal of Composite Materials, 2021, 55, 973-988.	2.4	2
24	Macromodel-based simulation of membrane action in reinforced concrete structural members. Mechanics Based Design of Structures and Machines, 2021, 49, 329-354.	4.7	2
25	Predictive model for slenderness limit of circular RC columns confined with FRP wraps. Structural Concrete, 2022, 23, 849-875.	3.1	2
26	Behavior of Axially and Eccentrically Loaded Trapezoidal Shell Footings Resting on a Granular Assembly. International Journal of Geomechanics, 2022, 22, .	2.7	2
27	STATIC AND FATIGUE STRENGTH OF STEEL GIRDERS STRENGTHENED WITH CFRP LAMINATES. , 2004, , 59-72.		1
28	A mixed finite element formulation for Timoshenko fiber models based on the local stress field. Vibroengineering PROCEDIA, 2018, 17, 13-18.	0.5	1
29	A multi-fiber approach with directional stiffness matrix in reinforced concrete structures. Engineering Computations, 2020, 37, 2411-2437.	1.4	0