

# Alireza Rahai

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

376  
citations

933447

10  
h-index

794594

19  
g-index

26  
all docs

26  
docs citations

26  
times ranked

375  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of bond strength of spliced steel bars in concrete using artificial neural network and fuzzy logic. <i>Construction and Building Materials</i> , 2012, 36, 411-418.	7.2	92
2	Nonlinear analysis of pre-stressed concrete containment vessel (PCCV) using the damage plasticity model. <i>Nuclear Engineering and Design</i> , 2016, 298, 41-50.	1.7	43
3	Theoretical and experimental structural damage diagnosis method using natural frequencies through an improved sensitivity equation. <i>International Journal of Mechanical Sciences</i> , 2013, 70, 79-89.	6.7	42
4	An integrated ANN-GA for reliability based inspection of concrete bridge decks considering extent of corrosion-induced cracks and life cycle costs. <i>Scientia Iranica</i> , 2012, 19, 974-981.	0.4	26
5	Prediction of chloride content in concrete using ANN and CART. <i>Magazine of Concrete Research</i> , 2016, 68, 1085-1098.	2.0	24
6	Buckling analysis of non-prismatic columns based on modified vibration modes. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2008, 13, 1721-1735.	3.3	23
7	Developing a hybrid artificial neural network-genetic algorithm model to predict resilient modulus of polypropylene/polyester fiber-reinforced asphalt concrete. <i>Journal of the Textile Institute</i> , 2015, 106, 1239-1250.	1.9	22
8	FRP-confined concrete model based on damage-plasticity and phase-field approaches. <i>Composite Structures</i> , 2020, 244, 112263.	5.8	16
9	Prediction model of long-term prestress loss interaction for prestressed concrete containment vessels. <i>Archives of Civil and Mechanical Engineering</i> , 2017, 17, 132-144.	3.8	12
10	Implementation of the modal flexibility variation to fault identification in thin plates. <i>Acta Astronautica</i> , 2010, 66, 414-426.	3.2	11
11	A fast and efficient clustering based fuzzy time series algorithm (FEFTS) for regression and classification. <i>Applied Soft Computing Journal</i> , 2017, 61, 1088-1097.	7.2	10
12	Investigating Tensile Behavior of Sustainable Basalt-Carbon, Basalt-Steel, and Basalt-Steel-Wire Hybrid Composite Bars. <i>Sustainability</i> , 2021, 13, 10735.	3.2	8
13	Dynamic Response of a Continuous-Deck Bridge with Different Skew Degrees to Near-Field Ground Motions. <i>International Journal of Civil Engineering</i> , 2017, 15, 715-725.	2.0	6
14	Seismic Assessment of Reinforced Concrete Bridge Under Chloride-Induced Corrosion. <i>International Journal of Civil Engineering</i> , 2018, 16, 681-693.	2.0	6
15	Prediction of the bond strength of ribbed steel bars in concrete based on genetic programming. <i>Computers and Concrete</i> , 2014, 14, 327-345.	0.7	6
16	A Discussion of the paper: "Ant colony optimization of tuned mass dampers for earthquake oscillations of high-rise structures including soil-structure interaction" [Soil Dyn. Earthq. Eng. 51 (2013) 14-22]. <i>Soil Dynamics and Earthquake Engineering</i> , 2017, 102, 263-265.	3.8	4
17	Long-Term Behavior of a Prestressed Concrete Bridge with Corrugated Steel Webs. <i>Journal of Bridge Engineering</i> , 2022, 27, .	2.9	4
18	Progressive collapse resisting capacity of reinforced concrete load bearing wall structures. <i>Journal of Central South University</i> , 2015, 22, 2730-2738.	3.0	3

#	ARTICLE	IF	CITATIONS
19	Substructure Responses of a Concrete Bridge with Different Deck-to-Pier Connections. International Journal of Civil Engineering, 2019, 17, 1683-1695.	2.0	3
20	Theoretical and Experimental Studies of Two-Span Reinforced Concrete Deep Beams and Comparisons with Strut-and-Tie Method. Advances in Civil Engineering, 2021, 2021, 1-16.	0.7	3
21	Experimental Investigation on the Ductility of Concrete Deep Beams Reinforced with Basalt-Carbon and Basalt-Steel Wire Hybrid Composite Bars. Shock and Vibration, 2021, 2021, 1-8.	0.6	3
22	Seismic fragility analysis of corroded reinforced concrete bridges in Bandar Abbas, Iran. Proceedings of the Institution of Civil Engineers: Bridge Engineering, 0, , 1-18.	0.6	2
23	Modeling behavior of FRP-confined concrete by Jacobi-fuzzy time series method. International Journal of Intelligent Systems, 2021, 36, 7126-7152.	5.7	2
24	An Experimental and Numerical Study on Continuous RC Deep Beams Strengthened with CFRP Strips. International Journal of Civil Engineering, 2022, 20, 619-637.	2.0	2
25	New Formulations for Prediction of Buckling Loads in Steel Plate Girders Through Linear and Nonlinear Stability Analysis. International Journal of Structural Stability and Dynamics, 2023, 23, .	2.4	2
26	Performance Evaluation of CFRP Strengthened Corrosion-Proof Columns. Shock and Vibration, 2021, 2021, 1-14.	0.6	1