Alireza Rahai

List of Publications by Year
in descending order

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	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
2	Long-Term Behavior of a Prestressed Concrete Bridge with Corrugated Steel Webs. Journal of Bridge Engineering, 2022, 27, .	2.9	4
3	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
4	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
5	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
6	Performance Evaluation of CFRP Strengthened Corrosion-Proof Columns. Shock and Vibration, 2021, 2021, 1-14.	0.6	1
7	Modeling behavior of FRPâ€confined concrete by Jacobiâ€fuzzy time series method. International Journal of Intelligent Systems, 2021, 36, 7126-7152.	5.7	2
8	Investigating Tensile Behavior of Sustainable Basaltâ€"Carbon, Basaltâ€"Steel, and Basaltâ€"Steel-Wire Hybrid Composite Bars. Sustainability, 2021, 13, 10735.	3.2	8
9	FRP-confined concrete model based on damage-plasticity and phase-field approaches. Composite Structures, 2020, 244, 112263.	5.8	16
10	Substructure Responses of a Concrete Bridge with Different Deck-to-Pier Connections. International Journal of Civil Engineering, 2019, 17, 1683-1695.	2.0	3
11	Seismic Assessment of Reinforced Concrete Bridge Under Chloride-Induced Corrosion. International Journal of Civil Engineering, 2018, 16, 681-693.	2.0	6
12	A Discussion of the paper: â€œAnt colony optimization of tuned mass dampers for earthquake oscillations of high-rise structures including soilâ€"structure interactionâ€•[Soil Dyn. Earthq. Eng. 51 (2013) 14â€"22]. Soil Dynamics and Earthquake Engineering, 2017, 102, 263-265.	3.8	4
13	Dynamic Response of a Continuous-Deck Bridge with Different Skew Degrees to Near-Field Ground Motions. International Journal of Civil Engineering, 2017, 15, 715-725.	2.0	6
14	A fast and efficient clustering based fuzzy time series algorithm (FEFTS) for regression and classification. Applied Soft Computing Journal, 2017, 61, 1088-1097.	7.2	10
15	Prediction model of long-term prestress loss interaction for prestressed concrete containment vessels. Archives of Civil and Mechanical Engineering, 2017, 17, 132-144.	3.8	12
16	Prediction of chloride content in concrete using ANN and CART. Magazine of Concrete Research, 2016, 68, 1085-1098.	2.0	24
17	Nonlinear analysis of pre-stressed concrete containment vessel (PCCV) using the damage plasticity model. Nuclear Engineering and Design, 2016, 298, 41-50.	1.7	43
18	Progressive collapse resisting capacity of reinforced concrete load bearing wall structures. Journal of Central South University, 2015, 22, 2730-2738.	3.0	3

#	Article	IF	Citations
19	Developing a hybrid artificial neural network-genetic algorithm model to predict resilient modulus of polypropylene/polyester fiber-reinforced asphalt concrete. Journal of the Textile Institute, 2015, 106, 1239-1250.	1.9	22
20	Prediction of the bond strength of ribbed steel bars in concrete based on genetic programming. Computers and Concrete, 2014, 14, 327-345.	0.7	6
21	Theoretical and experimental structural damage diagnosis method using natural frequencies through an improved sensitivity equation. International Journal of Mechanical Sciences, 2013, 70, 79-89.	6.7	42
22	An integrated ANN-GA for reliability based inspection of concrete bridge decks considering extent of corrosion-induced cracks and life cycle costs. Scientia Iranica, 2012, 19, 974-981.	0.4	26
23	Prediction of bond strength of spliced steel bars in concrete using artificial neural network and fuzzy logic. Construction and Building Materials, 2012, 36, 411-418.	7.2	92
24	Implementation of the modal flexibility variation to fault identification in thin plates. Acta Astronautica, 2010, 66, 414-426.	3.2	11
25	Buckling analysis of non-prismatic columns based on modified vibration modes. Communications in Nonlinear Science and Numerical Simulation, 2008, 13, 1721-1735.	3.3	23
26	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