Quick Seismic Response Estimation of Prestressed Concrete Bridges Using Artificial Neural Networks

#	Paper	IF	Citations
18	Nondestructive Evaluation of Prestressed Concrete Beams using an Artificial Neural Network (ANN) Approach. *Structural Health Monitoring*, **2006**, 5, 313-323	4.4	15
17	Bending Moment Prediction for Continuous Composite Beams by Neural Networks. *Advances in Structural Engineering*, **2007**, 10, 439-454	1.9	14
16	Computationally efficient analysis of cable-stayed bridge for GA-based optimization. *Engineering Applications of Artificial Intelligence*, **2009**, 22, 750-758	7.2	30
15	Design forces for groups of six cylindrical silos by artificial neural network modelling. *Proceedings of the Institution of Civil Engineers: Structures and Buildings*, **2012**, 165, 567-580	0.9	0
14	Nonlinear AutoRegressive eXogenous Artificial Neural Networks for predicting Buckling restrained braces force. **2012**,		2
13	Virtual Testing of Buckling-Restrained Braces via Nonlinear Autoregressive Exogenous Neural Networks. *Journal of Computing in Civil Engineering*, **2013**, 27, 755-768	5	9
12	Seismic finite element simulation of concrete piles in harbour landing stages. *Structure and Infrastructure Engineering*, **2014**, 10, 1146-1160	2.9	
11	Predicting Dynamic Response of Structures under Earthquake Loads Using Logical Analysis of Data. *Buildings*, **2018**, 8, 61	3.2	8
10	Machine Learning─Based Backbone Curve Model of Reinforced Concrete Columns Subjected to Cyclic Loading Reversals. *Journal of Computing in Civil Engineering*, **2018**, 32, 04018042	5	37
9	The promise of implementing machine learning in earthquake engineering: A state-of-the-art review. *Earthquake Spectra*, **2020**, 36, 1769-1801	3.4	72
8	Learning Models for Seismic-Induced Vibrations Optimal Control in Structures via Random Forests. *Journal of Optimization Theory and Applications*, **2020**, 187, 855-874	1.6	5
7	Data-driven optimal predictive control of seismic induced vibrations in frame structures. *Structural Control and Health Monitoring*, **2020**, 27, e2514	4.5	11
6	Structural response estimation method based on particle swarm optimisation/support vector machine and response correlation characteristics. *Measurement: Journal of the International Measurement Confederation*, **2020**, 160, 107810	4.6	4
5	A Generalized Artificial Neural Network for Displacement-Based Seismic Design of Mass Timber Rocking Walls. *Journal of Earthquake Engineering*, 1-12	1.8	
4	Flexible and interpretable generalization of self-evolving computational materials framework. *Computers and Structures*, **2022**, 260, 106706	4.5	2
3	Neural networks for the rapid seismic assessment of existing moment-frame RC buildings. *International Journal of Disaster Risk Reduction*, **2021**, 67, 102677	4.5	2
2	A Prognostic Model for Newly Operated Highway Bridges Based on Censored Data and Survival Analysis. *Advances in Civil Engineering*, **2022**, 2022, 1-16	1.3	0

1   Attention-based LSTM (AttLSTM) neural network for Seismic Response Modeling of Bridges. **2023**,   1
     275, 106915

1   Attention-based LSTM (AttLSTM) neural network for Seismic Response Modeling of Bridges. **2023**,   1
     275, 106915