Thanh-Tuan Tran

List of Publications by Year
in descending order

20 papers	197 citations	1039406 9 h-index	1058022 14 g-index
24 all docs	24 docs citations	24 times ranked	100 citing authors

#	Article	IF	Citations
1	Development of a 3-legged jacket substructure for installation in the southwest offshore wind farm in South Korea. Ocean Engineering, 2022, 246, 110643.	1.9	13
2	Development of jacket substructure systems supporting 3MW offshore wind turbine for deep water sites in South Korea. International Journal of Naval Architecture and Ocean Engineering, 2022, 14, 100451.	1.0	2
3	Directional Bending Performance of 4-Leg Jacket Substructure Supporting a 3MW Offshore Wind Turbine. Energies, 2021, 14, 2725.	1.6	6
4	Modified Numerical Modeling of Axially Loaded Concrete-Filled Steel Circular-Tube Columns. Engineering, Technology & Applied Science Research, 2021, 11, 7094-7099.	0.8	15
5	Probabilistic Seismic Demand Model and Seismic Fragility Analysis of NPP Equipment Subjected to High- and Low-Frequency Earthquakes. Nuclear Science and Engineering, 2021, 195, 1327-1346.	0.5	5
6	Nonlinear time-history earthquake analysis for steel frames. Heliyon, 2021, 7, e06832.	1.4	8
7	Distributed plasticity approach for nonlinear analysis of nuclear power plant equipment: Experimental and numerical studies. Nuclear Engineering and Technology, 2021, 53, 3100-3111.	1.1	3
8	Simplified Approach for Seismic Risk Assessment of Cabinet Facility in Nuclear Power Plants Based on Cumulative Absolute Velocity. Nuclear Technology, 2020, 206, 743-757.	0.7	9
9	Grouping effect on the seismic response of cabinet facility considering primary-secondary structure interaction. Nuclear Engineering and Technology, 2020, 52, 1318-1326.	1.1	12
10	Seismic Vulnerability of Cabinet Facility with Tuned Mass Dampers Subjected to High- and Low-Frequency Earthquakes. Applied Sciences (Switzerland), 2020, 10, 4850.	1.3	16
11	Distributed plasticity approach for the nonlinear structural assessment of offshore wind turbine. International Journal of Naval Architecture and Ocean Engineering, 2020, 12, 743-754.	1.0	17
12	Probabilistic Models for Uncertainty Quantification of Soil Properties on Site Response Analysis. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2020, 6, .	1.1	10
13	Seismic capacity evaluation of NPP electrical cabinet facility considering grouping effects. Journal of Nuclear Science and Technology, 2020, 57, 800-812.	0.7	10
14	Nonlinear Inelastic Analysis for Steel Frames. Lecture Notes in Civil Engineering, 2020, , 311-317.	0.3	0
15	A Proposed Method for Inspecting and Predicting the Seismic Vulnerability of Dam Structures in Korea. Lecture Notes in Civil Engineering, 2020, , 1027-1035.	0.3	1
16	Uncertainty quantification for nonlinear seismic analysis of cabinet facility in nuclear power plants. Nuclear Engineering and Design, 2019, 355, 110309.	0.8	13
17	Fragility assessment for electric cabinet in nuclear power plant using response surface methodology. Nuclear Engineering and Technology, 2019, 51, 894-903.	1.1	30
18	VC4OWT: MATLAB Interface for Vibration Control of Offshore Wind Turbine. Lecture Notes in Civil Engineering, 2019, , 530-536.	0.3	0

#	Article	IF	Citations
19	Effect of probabilistic variation in soil properties and profile of site response. Soils and Foundations, 2018, 58, 1339-1349.	1.3	9
20	Seismic incidence on base-isolated nuclear power plants considering uni- and bi-directional ground motions. Journal of Structural Integrity and Maintenance, 2018, 3, 86-94.	0.7	14