

Apostolos Tsouvalas

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

317
citations

933447

10
h-index

888059

17
g-index

33
all docs

33
docs citations

33
times ranked

123
citing authors

#	ARTICLE	IF	CITATIONS
1	A semi-analytical model for the prediction of underwater noise from offshore pile driving. Journal of Sound and Vibration, 2013, 332, 3232-3257.	3.9	36
2	Noise reduction by the application of an air-bubble curtain in offshore pile driving. Journal of Sound and Vibration, 2016, 371, 150-170.	3.9	35
3	Underwater Noise Emission Due to Offshore Pile Installation: A Review. Energies, 2020, 13, 3037.	3.1	35
4	A three-dimensional vibroacoustic model for the prediction of underwater noise from offshore pile driving. Journal of Sound and Vibration, 2014, 333, 2283-2311.	3.9	34
5	The in-plane free vibration of an elastically supported thin ring rotating at high speeds revisited. Journal of Sound and Vibration, 2017, 402, 203-218.	3.9	19
6	Transition radiation excited by a surface load that moves over the interface of two elastic layers. International Journal of Solids and Structures, 2015, 73-74, 99-112.	2.7	17
7	Structure-Borne Wave Radiation by Impact and Vibratory Piling in Offshore Installations: From Sound Prediction to Auditory Damage. Journal of Marine Science and Engineering, 2016, 4, 44.	2.6	17
8	A high-order model for in-plane vibrations of rotating rings on elastic foundation. Journal of Sound and Vibration, 2019, 455, 118-135.	3.9	15
9	A fast computational model for near- and far-field noise prediction due to offshore pile driving. Journal of the Acoustical Society of America, 2021, 149, 1772-1790.	1.1	14
10	Study of the Sound Escape with the Use of an Air Bubble Curtain in Offshore Pile Driving. Journal of Marine Science and Engineering, 2021, 9, 232.	2.6	12
11	A three dimensional semi-analytical model for the prediction of gate vibrations immersed in fluid. Marine Structures, 2019, 65, 134-153.	3.8	11
12	The significance of the evanescent spectrum in structure-waveguide interaction problems. Journal of the Acoustical Society of America, 2015, 138, 2574-2588.	1.1	10
13	The Effect of Stress Wave Dispersion on the Drivability Analysis of Large-Diameter Monopiles. Procedia Engineering, 2017, 199, 2390-2395.	1.2	9
14	The steady-state response of a rotating ring subjected to a stationary load. International Journal of Solids and Structures, 2020, 202, 319-337.	2.7	8
15	Installation of Large-Diameter Monopiles: Introducing Wave Dispersion and Non-Local Soil Reaction. Journal of Marine Science and Engineering, 2021, 9, 313.	2.6	8
16	A non-collocated method to quantify plastic deformation caused by impact pile driving. International Journal of Mechanical Sciences, 2018, 148, 1-8.	6.7	7
17	Investigation of a slip joint connection between the monopile and the tower of an offshore wind turbine. IET Renewable Power Generation, 2014, 8, 422-432.	3.1	6
18	EXPERIMENTAL IDENTIFICATION OF THE DYNAMIC BEHAVIOUR OF PILE-SOIL SYSTEM INSTALLED BY MEANS OF THREE DIFFERENT PILE-DRIVING TECHNIQUES. , 2020, , .		5

#	ARTICLE	IF	CITATIONS
19	A fluid-structure interaction model for assessing the safety of flood gate vibrations due to wave impacts. Coastal Engineering, 2021, 170, 104007.	4.0	4
20	Magnetic stray field measurements to identify and localise impact-induced plastic deformation in a steel structure. International Journal of Mechanical Sciences, 2022, 217, 106990.	6.7	3
21	Seismic response of the outer shell of a liquefied natural gas storage tank using a semi-analytical dynamic substructuring technique. International Journal of Earthquake and Impact Engineering, 2016, 1, 98.	0.3	2
22	Magnetomechanical response of a steel monopile during impact pile driving. Engineering Structures, 2021, 240, 112340.	5.3	2
23	A mode-matching method for the prediction of stick-slip relative motion of two elastic rods in frictional contact. Acta Mechanica, 2022, 233, 753-773.	2.1	2
24	In-plane vibration of rotating rings using a high order theory. MATEC Web of Conferences, 2018, 211, 03012.	0.2	1
25	Plasticity Detection and Quantification in Monopile Support Structures Due to Axial Impact Loading. MATEC Web of Conferences, 2018, 148, 15003.	0.2	1
26	A COUPLED MODELLING APPROACH FOR THE FAST COMPUTATION OF UNDERWATER NOISE RADIATION FROM OFFSHORE PILE DRIVING. , 2020, , .		1
27	DYNAMIC RESPONSE OF TWO INTERACTING EXTENSIBLE BARS IN FRICTIONAL CONTACT. , 2020, , .		0
28	A MODE MATCHING TECHNIQUE FOR THE SEISMIC RESPONSE OF LIQUID STORAGE TANKS INCLUDING SOIL-STRUCTURE INTERACTION. , 2020, , .		0
29	MONITORING MONOPILE PENETRATION THROUGH MAGNETIC STRAY FIELD MEASUREMENTS. , 2020, , .		0
30	THE IN-PLANE STEADY-STATE RESPONSE OF A RING IN RELATIVE MOTION TO A CONSTANT LOAD. , 2020, , .		0
31	Localized stationary seismic waves predicted using a nonlinear gradient elasticity model. Nonlinear Dynamics, 2022, 107, 1107.	5.2	0