M Eswaran

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5201151/publications.pdf

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18	200	1478505 6	1199594 12
papers	citations	h-index	g-index

20	20	20	124
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of baffles on a partially filled cubic tank: Numerical simulation and experimental validation. Computers and Structures, 2009, 87, 198-205.	4.4	100
2	Sloshing of liquids in partially filled tanks - a review of experimental investigations. Ocean Systems Engineering, 2011, 1, 131-155.	0.5	36
3	Liquid Sloshing in Fuel Storage Bays of Advanced Reactor Subjected to Earthquake Loading. Procedia Engineering, 2016, 144, 1278-1285.	1.2	10
4	Dynamic characteristics of immersed plate-type fuel assemblies under seismic excitation. Nuclear Engineering and Design, 2017, 314, 11-28.	1.7	9
5	Experimental investigation on partially filled liquid pools under combined thermal and vibrational loads. Experimental Thermal and Fluid Science, 2019, 101, 160-174.	2.7	9
6	Experimental measurement of the surface velocity field in an externally induced sloshing tank. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2011, 225, 133-148.	0.5	6
7	Numerical simulation of 2D and 3D sloshing waves in a regularly and randomly excited container. Journal of Marine Science and Application, 2013, 12, 298-314.	1.7	6
8	Tuned liquid dampers for multi-storey structure: numerical simulation using a partitioned FSI algorithm and experimental validation. Sadhana - Academy Proceedings in Engineering Sciences, 2017, 42, 449-465.	1.3	6
9	Effect of higher modes and multi-directional seismic excitations on power plant liquid storage pools. Earthquake and Structures, 2015, 8, 779-799.	1.0	6
10	Wind-induced loads and integrity assessment of hyperboloid reflector of solar power plants. AEJ - Alexandria Engineering Journal, 2016, 55, 837-850.	6.4	3
11	Numerical simulation of tuned liquid tank- structure systems through Ïƒ-transformation based fluid-structure coupled solver. Wind and Structures, an International Journal, 2016, 23, 421-447.	0.8	3
12	Waves Simulation in an Excited Cylindrical Tank Using Ïƒ-Transformation. , 2010, , .		2
13	Fluid-structure interaction analysis of sloshing in an annular - sectored water pool subject to surge motion. Ocean Systems Engineering, 2013, 3, 181-201.	0.5	2
14	Numerical Investigation of Wind Forces and Strouhal Frequencies of Secondary Hyperboloid Reflector. , 2013, , .		1
15	Low Steeping Waves Simulation in a Vertical Excited Container Using Ïƒ Transformation. , 2009, , .		0
16	Introduction to Structural Dynamics and Vibration of Single-Degree-of-Freedom Systems. , 2019, , 61-93.		0
17	Analysis of Multi-degree-of-Freedom Systems. , 2019, , 95-133.		0
18	Fluid-structure coupled vibration characteristics of liquid immersed square channels within confinement. Annals of Nuclear Energy, 2022, 172, 109061.	1.8	0