

M Eswaran

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

200
citations

1478505

6
h-index

1199594

12
g-index

20
all docs

20
docs citations

20
times ranked

124
citing authors

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