

Kamila Kotrasová

List of Publications by Year in descending order

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62
papers

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1040056

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65
times ranked

105
citing authors

#	ARTICLE	IF	CITATIONS
1	The Study of Seismic Response on Accelerated Contained Fluid. <i>Advances in Mathematical Physics</i> , 2017, 2017, 1-9.	0.8	27
2	Multiscale modeling of liquid storage laminated composite cylindrical tank under seismic load. <i>Composites Part B: Engineering</i> , 2018, 146, 189-197.	12.0	22
3	Finite Element Analysis of Damage Modeling of Fiber Reinforced Laminate Plate. <i>Applied Mechanics and Materials</i> , 0, 617, 247-250.	0.2	20
4	Dynamic Time-History Response of Cylindrical Tank Considering Fluid - Structure Interaction due to Earthquake. <i>Applied Mechanics and Materials</i> , 0, 617, 66-69.	0.2	20
5	Dynamic Analysis of Liquid Storage Cylindrical Tanks due to Earthquake. <i>Advanced Materials Research</i> , 0, 969, 119-124.	0.3	20
6	Study of Hydrodynamic Pressure on Wall of Tank. <i>Procedia Engineering</i> , 2017, 190, 2-6.	1.2	20
7	Sloshing of Liquid in Rectangular Tank. <i>Advanced Materials Research</i> , 0, 969, 320-323.	0.3	19
8	The Numerical Diffusion Effect on the CFD Simulation Accuracy of Velocity and Temperature Field for the Application of Sustainable Architecture Methodology. <i>Sustainability</i> , 2020, 12, 10173.	3.2	15
9	Dynamic analysis of liquid storage tanks. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	13
10	Numerical Experiment of Fluid - Structure - Soil Interaction. <i>Procedia Engineering</i> , 2017, 190, 291-295.	1.2	12
11	Analysis of Slope Stability. <i>Civil and Environmental Engineering</i> , 2021, , .	1.2	11
12	Numerical Stability Investigations of the Method of Fundamental Solutions Applied to Wave-Current Interactions Using Generating-Absorbing Boundary Conditions. <i>Symmetry</i> , 2021, 13, 1153.	2.2	11
13	Hydrodynamic Analysis of Fluid Effect in Rigid Rectangular Tank due to Harmonic Motion. <i>Key Engineering Materials</i> , 2014, 635, 147-150.	0.4	9
14	Two-step scheme for solution of the seismic response of liquid-filled composite cylindrical container. <i>Mathematical Methods in the Applied Sciences</i> , 2020, 43, 7664-7676.	2.3	9
15	Vibration Analysis of Simply Supported Rectangular Tank Partially Filled with Water. <i>MATEC Web of Conferences</i> , 2018, 210, 04003.	0.2	8
16	The Seismic Response of Fluid Filling in Rectangular Reservoir at Nador City Morocco. <i>Civil and Environmental Engineering</i> , 2020, 16, 267-275.	1.2	8
17	A Generating - Absorbing Boundary Condition Applied to Wave - Current Interactions Using the Method of Fundamental Solutions. <i>Civil and Environmental Engineering</i> , 2021, 17, 343-352.	1.2	8
18	Parametric study of seismic response of cylindrical tank. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	6

#	ARTICLE	IF	CITATIONS
19	The Possible Causes of Damage to Concrete Tanks, Numerical Experiment of Fluid-Structure-Soil Interaction. Key Engineering Materials, 0, 738, 227-237.	0.4	5
20	Micro-macro modelling of laminated composite rectangular reservoir. Composite Structures, 2022, 279, 114701.	5.8	5
21	Numerical Modelling of Fluid Domain Flow in Open Top Channel. Springer Water, 2020, , 287-306.	0.3	5
22	Delamination of laminate plate under tearing load mode. MATEC Web of Conferences, 2017, 107, 00049.	0.2	4
23	Numerical Investigation of the Dynamic Responses of Fibre-Reinforced Polymer Composite Bridge Beam Subjected to Moving Vehicle. Polymers, 2022, 14, 812.	4.5	4
24	Pressure and stress analysis of liquid-filled cylindrical tank. Mathematical Methods in the Applied Sciences, 2022, 45, 8819-8834.	2.3	3
25	The study of Fluid Sloshing in a Tank-Fluid System. Boundary Field Problems and Computer Simulation, 0, 54, 17.	0.0	3
26	Analytical and Numerical Investigations Applied to Study the Reflections and Transmissions of a Rectangular Breakwater Placed at the Bottom of a Wave Tank. Geosciences (Switzerland), 2021, 11, 430.	2.2	3
27	Computerized Decision Aid Applied to Meshless Method for the Use Case: Wave-Structure Interactions. , 2020, , .		3
28	Facesheet-Core Interface Delamination in Sandwich Panels. Key Engineering Materials, 2014, 635, 85-88.	0.4	2
29	A Study on Sloshing Frequencies of Liquid-Tank System. Key Engineering Materials, 2014, 635, 22-25.	0.4	2
30	Laminate circular cylindrical shell. MATEC Web of Conferences, 2017, 125, 04010.	0.2	2
31	Liquid Storage Cylindrical Tank - Earthquake Analysis. MATEC Web of Conferences, 2017, 125, 04009.	0.2	2
32	Analysis of foundation failure due to changes soil parameters. AIP Conference Proceedings, 2018, , .	0.4	2
33	Simplified seismic analysis of rectangular tank considering fluid-structure-soil interaction. AIP Conference Proceedings, 2018, , .	0.4	2
34	Multiscale modeling of composite cylindrical tank. Data in Brief, 2018, 18, 1777-1783.	1.0	2
35	IMPORTANCE OF SOIL SHEAR STRENGTH PARAMETERS FOR OPTIMAL DESIGN OF THE BUILDING FOUNDATION. Theory and Building Practice, 2019, 2019, 5-11.	0.3	2
36	SEISMIC ANALYSIS OF ELEVATED RESERVOIRS. , 2013, , .		2

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37	Response of endlessly long shipping channel due to earthquake. MATEC Web of Conferences, 2017, 107, 00068.	0.2	2
38	Elastic mechanical properties of random oriented short fiber composites. AIP Conference Proceedings, 2020, , .	0.4	2
39	Influence of Mesh Option "PATTERN" for Fluid Region Using Finite Element Method. Applied Mechanics and Materials, 2015, 769, 241-244.	0.2	1
40	Seismic response of waste storage tanks. MATEC Web of Conferences, 2016, 76, 02004.	0.2	1
41	Composite laminate under influence of temperature and moisture. MATEC Web of Conferences, 2016, 76, 04002.	0.2	1
42	Delamination modeling of laminate plate made of sublaminates. AIP Conference Proceedings, 2017, , .	0.4	1
43	The study of the numerical diffusion in computational calculation. MATEC Web of Conferences, 2020, 310, 00039.	0.2	1
44	Numerical Modeling of Jet at the Bottom of Tank at Moderate Reynolds Number Using Compact Hermitian Finite Differences Method. Fluids, 2021, 6, 63.	1.7	1
45	Assessment of slope stability in interaction with the subsoil. , 2016, , .		1
46	FEM simulation of the endlessly long fluid filled canal due to horizontal ground motion. Vibroengineering PROCEDIA, 2019, 23, 72-75.	0.5	1
47	Pressure analysis of rectangular fluid filling. , 2020, , .		1
48	Using of Computer Fluid Dynamics in Simulation of the Waste Reservoirs Processes. Advanced Materials Research, 0, 969, 351-354.	0.3	0
49	Composite Laminates under Hygrothermal Environment. Applied Mechanics and Materials, 2015, 769, 312-315.	0.2	0
50	Delamination opening and sliding load mode of laminate plate made of sublaminates. Journal of Computational Methods in Sciences and Engineering, 2017, 17, 827-835.	0.2	0
51	Experimental and numerical analysis of ceiling panel deflection. MATEC Web of Conferences, 2020, 313, 00040.	0.2	0
52	Analysis of the peak vertical displacement of liquid surface due to sloshing. MATEC Web of Conferences, 2020, 313, 00023.	0.2	0
53	Application of discrete damage mechanics for determination of the crack density in composite laminates. MATEC Web of Conferences, 2020, 310, 00002.	0.2	0
54	Teaching Quality Management of the Subject Elasticity I. International Journal of Education and Information Technologies, 2021, 15, 256-262.	0.2	0

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55	Using Software Applications in Teaching of Slope-Deflection Method in Subject Static Analysis of Constructions. International Journal of Education and Information Technologies, 2021, 15, 263-273.	0.2	0
56	HYGROTHERMAL ANALYSIS OF COMPOSITE LAMINATE. , 2013, , .		0
57	HYDRODYNAMIC ANALYSIS OF CONTAINED FLUID EFFECT IN RIGID RECTANGULAR TANK DUE TO EARTHQUAKE EVEN. , 2014, , .		0
58	Numerical Modelling of the Fluid Flow at the Outlet from Narrowed Space for a Better Water Management. Springer Water, 2020, , 265-286.	0.3	0
59	Increasing of Fluid Effect on Liquid Storage Laminated Composite Tank During Seismic Excitation. Mechanisms and Machine Science, 2020, , 771-776.	0.5	0
60	Dynamic fluid-structure-soil interaction applied on concrete rectangular reservoir. AIP Conference Proceedings, 2020, , .	0.4	0
61	The Dynamic Behavior of Moving Rectangular Liquid Filling. WSEAS Transactions on Fluid Mechanics, 2020, 15, 183-192.	1.0	0
62	Study of earthquake Loma Prieta influence on pressure distribution of fluid filling in rectangular endlessly long channel. , 2021, , .		0