

Chen An

List of Publications by Year in descending order

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34
papers

730
citations

516710

16
h-index

526287

27
g-index

35
all docs

35
docs citations

35
times ranked

375
citing authors

#	ARTICLE	IF	CITATIONS
1	Collapse of sandwich pipes with PVA fiber reinforced cementitious composites core under external pressure. <i>Ocean Engineering</i> , 2014, 82, 1-13.	4.3	65
2	Ultimate strength behaviour of sandwich pipes filled with steel fiber reinforced concrete. <i>Ocean Engineering</i> , 2012, 55, 125-135.	4.3	59
3	Dynamic behavior of pipes conveying gas-liquid two-phase flow. <i>Nuclear Engineering and Design</i> , 2015, 292, 204-212.	1.7	57
4	Integral transform solutions of dynamic response of a clamped-clamped pipe conveying fluid. <i>Nuclear Engineering and Design</i> , 2013, 254, 237-245.	1.7	56
5	Dynamic response of clamped axially moving beams: Integral transform solution. <i>Applied Mathematics and Computation</i> , 2011, 218, 249-259.	2.2	42
6	Dynamic response of axially moving Timoshenko beams: integral transform solution. <i>Applied Mathematics and Mechanics (English Edition)</i> , 2014, 35, 1421-1436.	3.6	36
7	Improved lumped models for transient combined convective and radiative cooling of multi-layer composite slabs. <i>Applied Thermal Engineering</i> , 2011, 31, 2508-2517.	6.0	35
8	Prediction of Vortex-Induced Vibration of Long Flexible Cylinders Modeled by a Coupled Nonlinear Oscillator: Integral Transform Solution. <i>Journal of Hydrodynamics</i> , 2012, 24, 888-898.	3.2	34
9	Dynamic analysis of axially moving orthotropic plates: Integral transform solution. <i>Applied Mathematics and Computation</i> , 2014, 228, 489-507.	2.2	32
10	Lumped parameter model for one-dimensional melting in a slab with volumetric heat generation. <i>Applied Thermal Engineering</i> , 2013, 60, 387-396.	6.0	30
11	Thermal analysis of the melting process in a nuclear fuel rod. <i>Applied Thermal Engineering</i> , 2014, 68, 133-143.	6.0	29
12	A vortex-induced vibration model for the fatigue analysis of a marine drilling riser. <i>Ships and Offshore Structures</i> , 2017, 12, S280-S287.	1.9	28
13	Lumped models for transient thermal analysis of multilayered composite pipeline with active heating. <i>Applied Thermal Engineering</i> , 2015, 87, 749-759.	6.0	25
14	Combined damping model for dynamics and stability of a pipe conveying two-phase flow. <i>Ocean Engineering</i> , 2020, 195, 106683.	4.3	25
15	Transient thermal analysis of multilayer pipeline with phase change material. <i>Applied Thermal Engineering</i> , 2020, 165, 114512.	6.0	22
16	Analytical modeling for offshore composite rubber hose with spiral stiffeners under internal pressure. <i>Journal of Reinforced Plastics and Composites</i> , 2021, 40, 352-364.	3.1	19
17	Dynamic Behavior of Axially Functionally Graded Pipes Conveying Fluid. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-11.	1.1	17
18	Exact solution of bending problem of clamped orthotropic rectangular thin plates. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2016, 38, 601-607.	1.6	16

#	ARTICLE	IF	CITATIONS
19	A review of the integrity management of subsea production systems: inspection and monitoring methods. <i>Ships and Offshore Structures</i> , 2019, 14, 789-803.	1.9	16
20	In-plane and out-of-plane dynamics of curved pipes conveying fluid by integral transform method. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	1.6	14
21	The helical buckling analysis of coiled tubing in offshore pipelines. <i>Ships and Offshore Structures</i> , 2019, 14, 193-203.	1.9	11
22	Semi-analytical solution for soil-constrained vibration of subsea free-spanning pipelines. <i>Ships and Offshore Structures</i> , 2018, 13, 666-676.	1.9	10
23	Generalized integral transform solution for free vibration of orthotropic rectangular plates with free edges. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2020, 42, 1.	1.6	10
24	Investigation of thermal behavior of long-distance multilayer pipeline with MicroPCM particles. <i>International Journal of Heat and Mass Transfer</i> , 2020, 153, 119605.	4.8	10
25	An exact GITT solution for static bending of clamped parallelogram plate resting on an elastic foundation. <i>Engineering Computations</i> , 2019, 36, 2034-2047.	1.4	8
26	Lumped parameter thermal analysis of multilayered composite pipe with MicroPCM particles. <i>Composite Structures</i> , 2021, 260, 113495.	5.8	8
27	Bending of orthotropic rectangular thin plates with two opposite edges clamped. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2020, 234, 1220-1230.	2.1	7
28	A new method for optimal sensor placement considering multiple factors and its application to deepwater riser monitoring systems. <i>Ocean Engineering</i> , 2022, 244, 110403.	4.3	5
29	Buckling Properties of a Subsea Function Chamber for Oil/Gas Processing in Deep Waters. <i>Journal of Marine Science and Application</i> , 2020, 19, 642-657.	1.7	2
30	Improved Lumped Models for Transient Combined Convective and Radiative Cooling of Multilayer Spherical Media. <i>Mathematical Problems in Engineering</i> , 2017, 2017, 1-9.	1.1	1
31	Prediction of coupled in-line and cross-flow vortex-induced vibrations of fluid-transporting free-spanning submarine pipelines: an integral transform solution. <i>Ships and Offshore Structures</i> , 0, 1-10.	1.9	1
32	Lateral buckling and post-buckling response based on a modified nonlinear pipe-soil interaction model. , 2017, , .		0
33	Axially Functionally Graded Pipes Conveying Fluid. , 2021, , 155-172.		0
34	Integral Transform Solutions of Solid and Structural Mechanics Problems. , 2021, , 89-108.		0