Zhang Zhi-fan

List of Publications by Year
in descending order

19 papers	375 citations	1051969 10 h-index	939365 18 g-index
20 all docs	20 docs citations	20 times ranked	254 citing authors

#	Article	IF	Citations
1	Application of a new type of annular shaped charge in penetration into underwater double-hull structure. International Journal of Impact Engineering, 2022, 159, 104057.	2.4	8
2	Simulating multi-phase sloshing flows with the SPH method. Applied Ocean Research, 2022, 118, 102989.	1.8	12
3	Penetration of annular and general jets into underwater plates. Computational Particle Mechanics, 2021, 8, 289-296.	1.5	7
4	Investigation of hydroelasticity in water entry of flexible wedges with flow detachment. Ocean Engineering, 2021, 222, 108580.	1.9	17
5	A<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1106" altimg="si210.svg"><mml:mi>Î´</mml:mi></mml:math>SPHâ€“SPIM coupled method for fluidâ€“structure interaction problems. Journal of Fluids and Structures, 2021, 101, 103210.	1.5	21
6	A semi-analytical method to simulate hydroelastic slamming of 2D structural sections by coupling Wagner theory with the finite element method. Ocean Engineering, 2021, 240, 109998.	1.9	3
7	A ghost-node immersed smoothed point interpolation method (ghost-node-ISPIM) for fluid-structure interaction problems. Ocean Engineering, 2021, 242, 110163.	1.9	0
8	Investigation of Underwater Sympathetic Detonation. Propellants, Explosives, Pyrotechnics, 2020, 45, 1736-1744.	1.0	3
9	SPH-BEM simulation of underwater explosion and bubble dynamics near rigid wall. Science China Technological Sciences, 2019, 62, 1082-1093.	2.0	17
10	Assessment of Penetration Performance and Optimum Design of a Boreâ€€center Annular Shaped Charge. Propellants, Explosives, Pyrotechnics, 2019, 44, 1628-1639.	1.0	5
11	Underwater explosion of cylindrical charge near plates: Analysis of pressure characteristics and cavitation effects. International Journal of Impact Engineering, 2018, 121, 91-105.	2.4	41
12	Dynamics of an Underwater Explosion Bubble near a Rigid Wall: Effect of Slenderness Ratio, Installation, and Distance Parameter. Journal of Coastal Research, 2017, 33, 959-971.	0.1	5
13	Damage response of steel plate to underwater explosion: Effect of shaped charge liner. International Journal of Impact Engineering, 2017, 103, 38-49.	2.4	67
14	Application of Smoothed Particle Hydrodynamics in analysis of shaped-charge jet penetration caused by underwater explosion. Ocean Engineering, 2017, 145, 177-187.	1.9	28
15	SPH-FEM simulation of shaped-charge jet penetration into double hull: A comparison study for steel and SPS. Composite Structures, 2016, 155, 135-144.	3.1	34
16	Pressure characteristics of bubble collapse near a rigid wall in compressible fluid. Applied Ocean Research, 2016, 59, 183-192.	1.8	38
17	Smoothed particle hydrodynamics simulation of the submarine structure subjected to a contact underwater explosion. Combustion, Explosion and Shock Waves, 2015, 51, 502-510.	0.3	12
18	Damage Characteristics of Coated Cylindrical Shells Subjected to Underwater Contact Explosion. Shock and Vibration, 2014, 2014, 1-15.	0.3	7

#	Article	IF	Citations
19	Investigation on a damaged ship model sinking into water based on three dimensional SPH method. Applied Ocean Research, 2013, 42, 24-31.	1.8	50