Krishnankutty Parameswaran

List of Publications by Year
in descending order

32	152	1478505	1372567
papers	citations	6	10
		h-index	g-index

34	34	34	89
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and Numerical Study of Penguin Mode Flapping Foil Propulsion System for Ships. Journal of Bionic Engineering, 2017, 14, 770-780.	5.0	17
2	Study of manoeuvrability of container ship by static and dynamic simulations using a RANSE-based solver. Ships and Offshore Structures, 2016, 11, 316-334.	1.9	15
3	Modification of ship hydrodynamic interaction forces and moment by underwater ship geometry. Ocean Engineering, 2006, 33, 1090-1104.	4.3	12
4	Numerical investigation on the hydrodynamic performance of high-speed planing hull with transom interceptor. Ships and Offshore Structures, 2020, 15, S134-S142.	1.9	11
5	Manoeuvring prediction of a container ship using the numerical PMM test and experimental validation using the free running model test. Ships and Offshore Structures, 2020, 15, 852-865.	1.9	9
6	Hydrodynamic performance of planing craft with interceptor-flap hybrid combination. Journal of Ocean Engineering and Marine Energy, 2021, 7, 421-438.	1.7	8
7	Sensitivity Study of Hydrodynamic Derivative Variations on the Maneuverability Prediction of a Container Ship. , 2015, , .		7
8	Single input fuzzy logic controller tuning for steering control of autonomous underwater vehicle: Genetic algorithm approach. , 2016, , .		7
9	Hydrodynamic study of flapping foil propulsion system fitted to surface and underwater vehicles. Ships and Offshore Structures, 2018, 13, 575-583.	1.9	7
10	Numerical study on the manoeuvring of a container ship in regular waves. Ships and Offshore Structures, 2019, 14, 141-152.	1.9	7
11	Stability analysis of a positively buoyant underwater vehicle in vertical plane for a level flight at varying buoyancy, BG and speeds. Ocean Engineering, 2018, 148, 331-348.	4.3	6
12	Dynamic positioning of an oceanographic research vessel using fuzzy logic controller in different sea states. Marine Systems and Ocean Technology, 2021, 16, 221-236.	1.0	5
13	Three-dimensional finite element analysis of the diffraction-radiation problem of hydrodynamically compact structures. Marine Structures, 1995, 8, 525-542.	3.8	4
14	Experimental study of flapping foil propulsion system for ships and underwater vehicles and PIV study of caudal fin propulsors. , 2014, , .		4
15	Hydrodynamic study of freely swimming shark fish propulsion for marine vehicles using 2D particle image velocimetry. Robotics and Biomimetics, 2016, 3, 3.	1.7	4
16	Experimental and Numerical Studies on an Underwater Towed Body. , 2014, , .		3
17	Experimental investigation on the effects of froude number on manoeuvring characteristic of a research vessel. Ships and Offshore Structures, 2022, 17, 64-75.	1.9	3
18	Ship hull wake effect on the hydrodynamic performance of a heave–pitch combined oscillating fin. Ships and Offshore Structures, 0, , 1-11.	1.9	3

#	ARTICLE	IF	CITATIONS
19	Manoeuvring prediction of a container ship in shallow water using numerical planar motion mechanism. Ship Technology Research, 0, , 1-19.	2.5	3
20	Estimation of Sway Velocity-Dependent Hydrodynamic Derivatives in Surface Ship Manoeuvring Using Ranse Based CFD. The International Journal of Ocean and Climate Systems, 2010, 1, 167-178.	0.8	2
21	Computational Fluid Dynamics Study of a Flexible Flapping Hydrofoil Propulsor. , 2016, , .		2
22	Study of water wave diffraction around cylinders using a finite-element model of fully nonlinear potential flow theory. Ships and Offshore Structures, 2017, 12, 276-289.	1.9	2
23	Stopping manoeuvre of high speed vessels fitted with screw and waterjet propulsion. Journal of Marine Engineering and Technology, 2009, 8, 11-19.	4.1	1
24	A study on non-linear wave forces and motion responses of a tri-hull carrier vessel. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2012, 226, 3-14.	0.5	1
25	Study of Maneuverability of Container Ship With Nonlinear and Roll-Coupled Effects by Numerical Simulations Using RANSE-Based Solver. Journal of Offshore Mechanics and Arctic Engineering, 2016, 138, .	1.2	1
26	Fuzzy Logic Controller for Dynamic Positioning of an Offshore Supply Vessel. , 2017, , .		1
27	Effect of slenderness ratio and aft fins on the hydrodynamic forces for an underwater body in oblique flows. Ships and Offshore Structures, 2018, 13, 256-264.	1.9	1
28	Numerical investigation on the influence of Froude number on the maneuvering characteristics of a container ship. International Shipbuilding Progress, 2018, 65, 149-185.	0.4	1
29	Numerical Estimation of Nonlinear Wave Forces on a Multi-Hull Barge Using Finite Element Method. , 2012, , .		0
30	Finite Element Analysis of Nonlinear Water Wave-Body Interaction: Computational Issues. , 2012, , .		0
31	Numerical Study on the Maneuvering of a Ship in Waves Based on Unified State Space Model. , 2016, , .		0
32	Numerical Investigation on the Influence of Froude Number on the Hydrodynamic Derivatives of a Container Ship. , 2016, , .		0