

Shuhong Chai

List of Publications by Year in descending order

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29
papers

350
citations

1163117

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all docs

29
docs citations

29
times ranked

350
citing authors

#	ARTICLE	IF	CITATIONS
1	A new method for optimal sensor placement considering multiple factors and its application to deepwater riser monitoring systems. Ocean Engineering, 2022, 244, 110403.	4.3	5
2	Dynamic stability of vessels with a suspended load. Ocean Engineering, 2022, 253, 111301.	4.3	1
3	Dynamic manoeuvres of KCS with CFD free-running computation and system-based modelling. Ocean Engineering, 2021, 241, 110043.	4.3	5
4	DTMB 5415M dynamic manoeuvres with URANS computation using body-force and discretised propeller models. Ocean Engineering, 2019, 182, 305-317.	4.3	20
5	Hydrodynamics of a conceptual FLNG system in side-by-side offloading operation. Ships and Offshore Structures, 2019, 14, 104-124.	1.9	10
6	URANS predictions on the hydrodynamic interaction of a conceptual FLNG-LNG offloading system in regular waves. Ocean Engineering, 2018, 153, 363-386.	4.3	12
7	URANS prediction of berthed ship-passing ship interactions. Ships and Offshore Structures, 2018, 13, 561-574.	1.9	8
8	Performance evaluation of particle swarm intelligence based optimization techniques in a novel AUV path planner. , 2018, , .		8
9	A comprehensive comparison of computational methods on propeller modelling of an AUV. , 2018, , .		1
10	Experimental Study of the Collective and Cyclic Pitch Propeller for an Underwater Vehicle. Journal of Marine Science and Application, 2018, 17, 592-602.	1.7	2
11	Modelling of a surface vessel from free running test using low cost sensors. , 2017, , .		8
12	Optimal control of an autonomous underwater vehicle equipped with the collective and cyclic pitch propeller. , 2017, , .		2
13	Dynamic risk analysis of offloading process in floating liquefied natural gas (FLNG) platform using Bayesian Network. Journal of Loss Prevention in the Process Industries, 2016, 41, 259-269.	3.3	76
14	RANS prediction of FLNG-LNG hydrodynamic interactions in steady current. Applied Ocean Research, 2016, 60, 141-154.	4.1	15
15	URANS study of scale effects on hydrodynamic manoeuvring coefficients of KVLCC2. Ocean Engineering, 2016, 118, 93-106.	4.3	26
16	Effects of Buoyancy Modules Geometry on Hydro-Elastic and Hydrodynamic Performance of a Steep Wave Riser in Steady Current. , 2015, , .		1
17	Discussions on locomotion and excavation systems of 'SROSD II', 2015, , .		0
18	Bootstrap Kuiper Testing of the Identity of 1D Continuous Distributions using Fuzzy Samples. International Journal of Computational Intelligence Systems, 2015, 8, 63.	2.7	9

#	ARTICLE	IF	CITATIONS
19	An integrated method for human error probability assessment during the maintenance of offshore facilities. <i>Chemical Engineering Research and Design</i> , 2015, 94, 172-179.	5.6	76
20	A scenario-based approach to evaluating potential environmental impacts following a tidal barrage installation. <i>Ocean and Coastal Management</i> , 2015, 116, 9-19.	4.4	16
21	Multimedia fate modeling of oil spills in ice-infested waters: An exploration of the feasibility of fugacity-based approach. <i>Chemical Engineering Research and Design</i> , 2015, 93, 206-217.	5.6	23
22	On the Effects of Bending Stiffness for Flexible Riser Model Tests. , 2014, , .		1
23	An Experimental Investigation of Hydrodynamic Impacts of Marine Growth on Mid-Water Arch System. , 2014, , .		0
24	Hydrodynamic loads and response of a Mid Water Arch structure. <i>Ocean Engineering</i> , 2014, 83, 76-86.	4.3	5
25	Coupled Analysis of FPSO and CALM Buoy Offloading System in West Africa. , 2014, , .		8
26	The Effect of Bending Stiffness on Hydroelastic Response of VLFS. , 2014, , .		0
27	Transportation Risk Analysis Framework for Arctic Waters. , 2014, , .		11
28	Time Domain Simulation of a Dynamic Positioning Deepwater Semisubmersible Drilling Platform. , 2014, , .		0
29	Conceptual Design of a Submersible Remotely Operated Swimming Dredger (SROSD). , 2011, , .		1