

# Shuhong Chai

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

350  
citations

1163117

8  
h-index

940533

16  
g-index

29  
all docs

29  
docs citations

29  
times ranked

350  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Dynamic risk analysis of offloading process in floating liquefied natural gas (FLNG) platform using Bayesian Network. <i>Journal of Loss Prevention in the Process Industries</i> , 2016, 41, 259-269.	3.3	76
3	URANS study of scale effects on hydrodynamic manoeuvring coefficients of KVLCC2. <i>Ocean Engineering</i> , 2016, 118, 93-106.	4.3	26
4	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
5	DTMB 5415M dynamic manoeuvres with URANS computation using body-force and discretised propeller models. <i>Ocean Engineering</i> , 2019, 182, 305-317.	4.3	20
6	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
7	RANS prediction of FLNG-LNG hydrodynamic interactions in steady current. <i>Applied Ocean Research</i> , 2016, 60, 141-154.	4.1	15
8	URANS predictions on the hydrodynamic interaction of a conceptual FLNG-LNG offloading system in regular waves. <i>Ocean Engineering</i> , 2018, 153, 363-386.	4.3	12
9	Transportation Risk Analysis Framework for Arctic Waters. , 2014, , .		11
10	Hydrodynamics of a conceptual FLNG system in side-by-side offloading operation. <i>Ships and Offshore Structures</i> , 2019, 14, 104-124.	1.9	10
11	Bootstrap Kuiper Testing of the Identity of 1D Continuous Distributions using Fuzzy Samples. <i>International Journal of Computational Intelligence Systems</i> , 2015, 8, 63.	2.7	9
12	Coupled Analysis of FPSO and CALM Buoy Offloading System in West Africa. , 2014, , .		8
13	Modelling of a surface vessel from free running test using low cost sensors. , 2017, , .		8
14	URANS prediction of berthed shipâ€™passing ship interactions. <i>Ships and Offshore Structures</i> , 2018, 13, 561-574.	1.9	8
15	Performance evaluation of particle swarm intelligence based optimization techniques in a novel AUV path planner. , 2018, , .		8
16	Hydrodynamic loads and response of a Mid Water Arch structure. <i>Ocean Engineering</i> , 2014, 83, 76-86.	4.3	5
17	Dynamic manoeuvres of KCS with CFD free-running computation and system-based modelling. <i>Ocean Engineering</i> , 2021, 241, 110043.	4.3	5
18	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

#	ARTICLE	IF	CITATIONS
19	Optimal control of an autonomous underwater vehicle equipped with the collective and cyclic pitch propeller. , 2017, , .		2
20	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
21	Conceptual Design of a Submersible Remotely Operated Swimming Dredger (SROSD). , 2011, , .		1
22	On the Effects of Bending Stiffness for Flexible Riser Model Tests. , 2014, , .		1
23	Effects of Buoyancy Modules Geometry on Hydro-Elastic and Hydrodynamic Performance of a Steep Wave Riser in Steady Current. , 2015, , .		1
24	A comprehensive comparison of computational methods on propeller modelling of an AUV. , 2018, , .		1
25	Dynamic stability of vessels with a suspended load. Ocean Engineering, 2022, 253, 111301.	4.3	1
26	An Experimental Investigation of Hydrodynamic Impacts of Marine Growth on Mid-Water Arch System. , 2014, , .		0
27	The Effect of Bending Stiffness on Hydroelastic Response of VLFS. , 2014, , .		0
28	Time Domain Simulation of a Dynamic Positioning Deepwater Semisubmersible Drilling Platform. , 2014, , .		0
29	Discussions on locomotion and excavation systems of 'SROSD II';. , 2015, , .		0