Huiyu Wu

List of Publications by Year
in descending order

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		759233	839539
26	357	12	18
papers	citations	h-index	g-index

26	26	26	121
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A global approximation to the Green function for diffraction radiation of water waves. European Journal of Mechanics, B/Fluids, 2017, 65, 54-64.	2.5	32
2	Farfield waves created by a monohull ship in shallow water. European Journal of Mechanics, B/Fluids, 2015, 49, 226-234.	2.5	28
3	Comparison of three simple models of Kelvinâ€™s ship wake. European Journal of Mechanics, B/Fluids, 2015, 49, 12-19.	2.5	27
4	Validation of a global approximation for wave diffraction-radiation in deep water. Applied Ocean Research, 2018, 74, 80-86.	4.1	22
5	Errors due to a practical Green function for steady ship waves. European Journal of Mechanics, B/Fluids, 2016, 55, 162-169.	2.5	20
6	Michell and Hogner models of far-field ship waves. Applied Ocean Research, 2017, 68, 194-203.	4.1	20
7	Wave component in the Green function for diffraction radiation of regular water waves. Applied Ocean Research, 2018, 81, 72-75.	4.1	17
8	Influence of Froude number and submergence depth on wave patterns. European Journal of Mechanics, B/Fluids, 2019, 75, 258-270.	2.5	16
9	Wave profile along a ship hull, short farfield waves, and broad inner Kelvin wake sans divergent waves. Physics of Fluids, 2019, 31, .	4.0	15
10	Froude number, hull shape, and convergence of integral representation of ship waves. European Journal of Mechanics, B/Fluids, 2019, 78, 216-229.	2.5	14
11	Practical flow-representations for arbitrary singularity-distributions in ship and offshore hydrodynamics, with applications to steady ship waves and wave diffraction-radiation by offshore structures. European Journal of Mechanics, B/Fluids, 2020, 83, 24-41.	2.5	13
12	Wavelengths of the highest waves created by fast monohull ships or catamarans. Ocean Engineering, 2016, 113, 208-214.	4.3	12
13	Elementary ship models and farfield waves. European Journal of Mechanics, B/Fluids, 2018, 67, 231-241.	2.5	12
14	Hogner model of wave interferences for farfield ship waves in shallow water. Applied Ocean Research, 2018, 73, 127-140.	4.1	11
15	Neumannâ€“Michell theory of short ship waves. European Journal of Mechanics, B/Fluids, 2018, 72, 601-615.	2.5	11
16	Boundary-integral representations for ship motions in regular waves. Journal of Engineering Mathematics, 2019, 114, 115-129.	1.2	11
17	Practical evaluation of flows due to arbitrary singularity distributions in the 3D theory of ship motions in regular waves at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1372" altimg="si13.svg"><mml:mrow><mml:mi>Ï„</mml:mi><mml:mo linebreak="goodbreak"	2.5	10
18	Practical evaluation of flows due to arbitrary singularity distributions in the 3D theory of ship motions in regular waves at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1855" altimg="si17.svg"><mml:mrow><mml:mn>0</mml:mn><mml:mo>.</mml:mo><mml:mn>3</mml:mn><mml:mo linebreak="goodbreak" linebreakstyle="after">â‰¤</mml:mo><mml:mi>Ï„</mml:mi></mml:mrow></mml:math>. European Journal of	2.5	10

#	Article	IF	Citations
19	Practical representation of flows due to general singularity distributions for wave diffractionâ€“radiation by offshore structures in finite water depth. European Journal of Mechanics, B/Fluids, 2021, 89, 1-14.	2.5	10
20	Farfield waves created by a catamaran in shallow water. European Journal of Mechanics, B/Fluids, 2016, 59, 197-204.	2.5	9
21	Basic models of farfield ship waves in shallow water. Journal of Ocean Engineering and Science, 2018, 3, 109-126.	4.3	8
22	The Kelvinâ€“Havelockâ€“Peters farfield approximation to ship waves. European Journal of Mechanics, B/Fluids, 2018, 70, 93-101.	2.5	7
23	Diffractionâ€“radiation of regular water waves and irregular frequencies: A straightforward flow-modeling approach and analysis. European Journal of Mechanics, B/Fluids, 2021, 90, 7-14.	2.5	7
24	Boundary-integral representation sans waterline integral for flows around ships steadily advancing in calm water. European Journal of Mechanics, B/Fluids, 2021, 89, 259-266.	2.5	7
25	Why can steep short waves occur at a ship waterline and how to filter them in a practical way?. European Journal of Mechanics, B/Fluids, 2020, 83, 164-174.	2.5	6
26	Kelvinâ€“Havelockâ€“Peters approximations to a classical generic wave integral. Applied Mathematical Modelling, 2020, 77, 950-962.	4.2	2