

Zhi Yung Tay

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

787
citations

687363
13
h-index

713466
21
g-index

28
all docs

28
docs citations

28
times ranked

510
citing authors

#	ARTICLE	IF	CITATIONS
1	Very Large Floating Structures: Applications, Research and Development. Procedia Engineering, 2011, 14, 62-72.	1.2	164
2	Mining advisor-advisee relationships from research publication networks. , 2010, , .		155
3	Hydroelastic response of very large floating structure with a flexible line connection. Ocean Engineering, 2011, 38, 1957-1966.	4.3	103
4	Literature Review of Methods for Mitigating Hydroelastic Response of VLFS Under Wave Action. Applied Mechanics Reviews, 2010, 63, .	10.1	70
5	Hydroelastic responses and interactions of floating fuel storage modules placed side-by-side with floating breakwaters. Marine Structures, 2009, 22, 633-658.	3.8	39
6	EXAMINATION OF CYLINDRICAL SHELL THEORIES FOR BUCKLING OF CARBON NANOTUBES. International Journal of Structural Stability and Dynamics, 2011, 11, 1035-1058.	2.4	33
7	Hydrodynamic interactions of oscillating wave surge converters in an array under random sea state. Ocean Engineering, 2017, 145, 382-394.	4.3	28
8	Energy extraction from an articulated plate anti-motion device of a very large floating structure under irregular waves. Renewable Energy, 2019, 130, 206-222.	8.9	26
9	Hydroelastic response of a box-like floating fuel storage module modeled using non-conforming quadratic-serendipity Mindlin plate element. Engineering Structures, 2007, 29, 3503-3514.	5.3	23
10	Performance and wave impact of an integrated multi-raft wave energy converter with floating breakwater for tropical climate. Ocean Engineering, 2020, 218, 108136.	4.3	22
11	Power enhancement of pontoon-type wave energy convertor via hydroelastic response and variable power take-off system. Journal of Ocean Engineering and Science, 2020, 5, 1-18.	4.3	19
12	Large scale three-dimensional modelling for wave and tidal energy resource and environmental impact: Methodologies for quantifying acceptable thresholds for sustainable exploitation. Ocean and Coastal Management, 2017, 147, 67-77.	4.4	16
13	Big Data Analytics and Machine Learning of Harbour Craft Vessels to Achieve Fuel Efficiency: A Review. Journal of Marine Science and Engineering, 2021, 9, 1351.	2.6	15
14	Research and developments on ocean thermal energy conversion. IES Journal Part A: Civil and Structural Engineering, 2011, 4, 41-52.	0.4	14
15	Optimization of Spacing for Oscillating Wave Surge Converter Arrays Using Genetic Algorithm. Journal of Waterway, Port, Coastal and Ocean Engineering, 2017, 143, .	1.2	14
16	Energy generation enhancement of arrays of point absorber wave energy converters via Moonpool's resonance effect. Renewable Energy, 2022, 188, 830-848.	8.9	11
17	The impact of energy extraction of wave energy converter arrays on wave climate under multi-directional seas. Journal of Ocean Engineering and Marine Energy, 2019, 5, 51-72.	1.7	10
18	Effect of resonance and wave reflection in semi-enclosed moonpool on performance enhancement of point absorber arrays. Ocean Engineering, 2022, 243, 110182.	4.3	9

#	ARTICLE	IF	CITATIONS
19	Floating wetlands at Punggol. IES Journal Part A: Civil and Structural Engineering, 2013, 6, 249-257.	0.4	4
20	Engaging the Community with a “Green Town” Concept. Energy Procedia, 2013, 37, 7337-7345.	1.8	4
21	Filtering harbor craft vessels’ fuel data using statistical, decomposition, and predictive methodologies. Maritime Transport Research, 2022, 3, 100063.	3.2	3
22	Numerical Modelling Techniques for Wave Energy Converters in Arrays. Ocean Engineering & Oceanography, 2022, , 281-322.	0.2	2
23	Hydroelastic Response of Floating Fuel Storage Modules Placed Side-by-Side. , 2008, , .		2
24	Energy Extraction of Pontoon-Type Wave Energy Converter. , 2018, , .		1
25	Hydroelastic Response of VLFS With a Hinge or Semi-Rigid Line Connection. , 2010, , .		0
26	Analogy of TE waveguide and vibrating plate with sliding edge condition and exact solutions. IES Journal Part A: Civil and Structural Engineering, 2013, 6, 32-41.	0.4	0
27	Hydroelastic Analysis for Extended-Column of Extended Draft Semi-Submersible. , 2014, , .		0
28	Power Enhancement of Wave Energy Converter Array via Wave Runup in Channel. Journal of Offshore Mechanics and Arctic Engineering, 2022, 144, .	1.2	0