

Alan Brown

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

239
citations

1307594

7
h-index

996975

15
g-index

19
all docs

19
docs citations

19
times ranked

163
citing authors

#	ARTICLE	IF	CITATIONS
1	A Framework of Runge-Kutta, Discontinuous Galerkin, Level Set and Direct Ghost Fluid Methods for the Multi-Dimensional Simulation of Underwater Explosions. <i>Fluids</i> , 2022, 7, 13.	1.7	2
2	Surrogate approaches to predict surface ship response to far-field underwater explosion in early-stage ship design. <i>Ocean Engineering</i> , 2021, 225, 108773.	4.3	3
3	Early-Stage Naval Ship Distributed System Design Using Architecture Flow Optimization. <i>Journal of Ship Production and Design</i> , 2021, 37, 78-96.	0.4	2
4	Coupling with the Embedded Boundary Method in a Runge-Kutta Discontinuous-Galerkin Direct Ghost-Fluid Method (RKDG-DGFM) Framework for Fluid-Structure Interaction Simulations of Underwater Explosions. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 1375.	2.6	0
5	Application of the Spectral Element Method in a Surface Ship Far-Field UNDEX Problem. <i>Shock and Vibration</i> , 2019, 2019, 1-16.	0.6	3
6	An architectural framework for distributed naval ship systems. <i>Ocean Engineering</i> , 2018, 147, 375-385.	4.3	25
7	Exploration of System Vulnerability in Naval Ship Concept Design. <i>Journal of Ship Production and Design</i> , 2018, 34, 42-58.	0.4	8
8	Smart Ship System Design (S3D) integration with the leading edge architecture for Prototyping Systems (LEAPS). , 2017, , .		3
9	Graph theory applications in FOCUS-compliant ship designs. , 2017, , .		2
10	Methods for Naval Ship Concept and Propulsion Technology Exploration in a CGX Case Study. <i>Naval Engineers Journal</i> , 2009, 120, 95-122.	0.1	4
11	Revisiting DDGX/DDG-51 Concept Exploration. <i>Naval Engineers Journal</i> , 2007, 119, 67-88.	0.1	10
12	Reflection and transmission of plane waves at an interface between two fluids. <i>Computers and Fluids</i> , 2007, 36, 1298-1306.	2.5	7
13	Risk Metric for Multi-Objective Design of Naval Ships. <i>Naval Engineers Journal</i> , 2004, 116, 55-72.	0.1	25
14	Multiple-Objective Optimization in Naval Ship Design. <i>Naval Engineers Journal</i> , 2003, 115, 49-62.	0.1	46
15	Collision scenarios and probabilistic collision damage. <i>Marine Structures</i> , 2002, 15, 335-364.	3.8	74
16	Dynamics of Naval Ship Design: A Systems Approach. <i>Naval Engineers Journal</i> , 1999, 111, 307-323.	0.1	15
17	Dynamics of Naval Ship Design: A Systems Approach. <i>Naval Engineers Journal</i> , 1999, 111, 127-129.	0.1	0
18	Towards A Rational Intact Stability Criteria For Naval Ships. <i>Naval Engineers Journal</i> , 1998, 110, 65-77.	0.1	2

#	ARTICLE	IF	CITATIONS
19	A Fundamentally-Based Stochastic Mixing Model Method for Predicting NO and Soot Emissions from Direct Injection Diesel Engines. Combustion Science and Technology, 1988, 58, 195-207.	2.3	8