

Brenden P Epps

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,096
citations

759233

12
h-index

580821

25
g-index

30
all docs

30
docs citations

30
times ranked

1092
citing authors

#	ARTICLE	IF	CITATIONS
1	A dynamic stall model for analysis of cross-flow turbines using discrete vortex methods. Renewable Energy, 2019, 130, 1130-1145.	8.9	4
2	Singular value decomposition of noisy data: noise filtering. Experiments in Fluids, 2019, 60, 1.	2.4	26
3	Singular value decomposition of noisy data: mode corruption. Experiments in Fluids, 2019, 60, 1.	2.4	9
4	A viscous vortex lattice method for analysis of cross-flow propellers and turbines. Renewable Energy, 2019, 143, 1035-1052.	8.9	8
5	Vortex Sheet Strength in the Sears, KÃ¼ssner, Theodorsen, and Wagner Aerodynamics Problems. AIAA Journal, 2018, 56, 889-904.	2.6	15
6	A Quasi-Continuous Vortex Lattice Method for Unsteady Aerodynamics Analysis. , 2018, , .		1
7	Rheological properties of corn stover slurries during fermentation by Clostridium thermocellum. Biotechnology for Biofuels, 2018, 11, 246.	6.2	14
8	Discretization Requirements for Vortex Lattice Methods to Match Unsteady Aerodynamics Theory. AIAA Journal, 2018, 56, 2478-2483.	2.6	14
9	On the utility death spiral and the impact of utility rate structures on the adoption of residential solar photovoltaics and energy storage. Applied Energy, 2017, 185, 627-641.	10.1	76
10	Singularity Methods for Modeling Airfoil Flows with Dynamic Stall and Fast Flap Deflections. , 2017, , .		3
11	Review of Vortex Identification Methods. , 2017, , .		65
12	Variational optimization of hydrokinetic turbines and propellers operating in a non-uniform flow field. Ocean Engineering, 2017, 135, 207-220.	4.3	4
13	On the Interfoil Spacing and Phase Lag of Tandem Flapping Foil Propulsors. Journal of Ship Production and Design, 2017, 33, 276-282.	0.4	6
14	On the Rotor Lifting Line Wake Model. Journal of Ship Production and Design, 2017, 33, 31-45.	0.4	5
15	On the Rotor Lifting Line Wake Model. Journal of Ship Production and Design, 2017, 33, 31-45.	0.4	1
16	Experimental Performance of a Novel Trochoidal Propeller. Journal of Ship Research, 2016, 60, 48-60.	1.1	6
17	Hydrokinetic energy conversion: Technology, research, and outlook. Renewable and Sustainable Energy Reviews, 2016, 57, 1245-1259.	16.4	170
18	Experimental Performance of a Novel Trochoidal Propeller. Journal of Ship Research, 2016, 60, 48-60.	1.1	7

#	ARTICLE	IF	CITATIONS
19	A Method for Propeller Blade Optimization and Cavitation Inception Mitigation. Journal of Ship Production and Design, 2015, 31, 88-99.	0.4	6
20	A Method for Propeller Blade Optimization and Cavitation Inception Mitigation. Journal of Ship Production and Design, 2015, 31, 88-98.	0.4	3
21	Design and Analysis of Trochoidal Propulsors Using Nonlinear Programming Optimization Techniques. , 2014, , .		3
22	Next-Generation Hydrokinetic Power Take-Off via a Novel Variable-Stroke Hydraulic System. , 2014, , .		2
23	Water Entry of Projectiles. Annual Review of Fluid Mechanics, 2014, 46, 355-378.	25.0	265
24	Cavitation of a submerged jet. Experiments in Fluids, 2013, 54, 1.	2.4	39
25	Unified Rotor Lifting Line Theory. Journal of Ship Research, 2013, 57, 181-201.	1.1	24
26	Unified Rotor Lifting Line Theory. Journal of Ship Research, 2013, 57, 181-201.	1.1	11
27	Unsteady forces on spheres during free-surface water entry. Journal of Fluid Mechanics, 2012, 704, 173-210.	3.4	112
28	An error threshold criterion for singular value decomposition modes extracted from PIV data. Experiments in Fluids, 2010, 48, 355-367.	2.4	50
29	Swimming performance of a biomimetic compliant fish-like robot. Experiments in Fluids, 2009, 47, 927-939.	2.4	89
30	Impulse generated during unsteady maneuvering of swimming fish. Experiments in Fluids, 2007, 43, 691-700.	2.4	58