

Jessica M Walker

List of Publications by Year in descending order

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14
papers

394
citations

1039880

9
h-index

1125617

13
g-index

14
all docs

14
docs citations

14
times ranked

470
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of a horizontal axis marine current turbineâ€™ A comprehensive evaluation using experimental, numerical, and theoretical approaches. <i>Energy</i> , 2018, 148, 965-976.	4.5	17
2	Numerical assessment of a horizontal axis marine current turbine performance. <i>International Journal of Marine Energy</i> , 2017, 20, 151-164.	1.8	13
3	Rapid Reserve Generation from a Francis Turbine for System Frequency Control. <i>Energies</i> , 2017, 10, 496.	1.6	9
4	Physics Based Hydraulic Turbine Model for System Dynamics Studies. <i>IEEE Transactions on Power Systems</i> , 2016, , 1-1.	4.6	9
5	Light as a key driver of freshwater biofouling surface roughness in an experimental hydrocanal pipe rig. <i>Biofouling</i> , 2016, 32, 685-697.	0.8	2
6	Impact of diatomaceous biofilms on the frictional drag of fouling-release coatings. <i>Biofouling</i> , 2015, 31, 759-773.	0.8	89
7	Design and performance evaluation of a pump-as-turbine micro-hydro test facility with incorporated inlet flow control. <i>Renewable Energy</i> , 2015, 78, 1-6.	4.3	63
8	The Application of Wall Similarity Techniques to Determine Wall Shear Velocity in Smooth and Rough Wall Turbulent Boundary Layers. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2014, 136, .	0.8	12
9	Experimental and numerical studies of blade roughness and fouling on marine current turbine performance. <i>Renewable Energy</i> , 2014, 66, 257-267.	4.3	70
10	Turbulent boundary-layer structure of flows over freshwater biofilms. <i>Experiments in Fluids</i> , 2013, 54, 1.	1.1	13
11	The influence of surface gravity waves on marine current turbine performance. <i>International Journal of Marine Energy</i> , 2013, 3-4, 27-40.	1.8	57
12	Drag force and surface roughness measurements on freshwater biofouled surfaces. <i>Biofouling</i> , 2010, 26, 487-496.	0.8	31
13	Succession and physiological health of freshwater microalgal fouling in a Tasmanian hydropower canal. <i>Biofouling</i> , 2010, 26, 637-644.	0.8	9
14	The Effect of Freshwater Biofilms on Skin Friction Drag. , 2009, , 1940-1945.		0