

Alan D Henderson

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

848
citations

840585

11
h-index

713332

21
g-index

31
all docs

31
docs citations

31
times ranked

878
citing authors

#	ARTICLE	IF	CITATIONS
1	One step multi-material 3D printing for the fabrication of a photometric detector flow cell. <i>Analytica Chimica Acta</i> , 2020, 1097, 127-134.	2.6	34
2	Design optimization of a purely radial turbine for operation in the inhalation mode of an oscillating water column. <i>Renewable Energy</i> , 2020, 152, 540-556.	4.3	9
3	Design Optimisation of a Unidirectional Centrifugal Radial-Air-Turbine for Application in OWC Wave Energy Converters. <i>Energies</i> , 2019, 12, 2791.	1.6	7
4	Comparison of inflow and outflow radial air turbines in vented and bidirectional OWC wave energy converters. <i>Energy</i> , 2019, 182, 159-176.	4.5	18
5	3D printed LED based on-capillary detector housing with integrated slit. <i>Analytica Chimica Acta</i> , 2017, 965, 131-136.	2.6	49
6	Rapid Reserve Generation from a Francis Turbine for System Frequency Control. <i>Energies</i> , 2017, 10, 496.	1.6	9
7	Physics Based Hydraulic Turbine Model for System Dynamics Studies. <i>IEEE Transactions on Power Systems</i> , 2016, , 1-1.	4.6	9
8	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
9	A comparative study of thermal behaviour of a horizontal and vertical shell-and-tube energy storage using phase change materials. <i>Applied Thermal Engineering</i> , 2016, 93, 348-358.	3.0	247
10	Heat transfer mechanism in solar thermal energy storage systems using phase change materials. , 2016, , .		0
11	Bubble breakup in a turbulent shear layer. <i>Journal of Physics: Conference Series</i> , 2015, 656, 012015.	0.3	2
12	Numerical investigation of heat transfer mechanism in a vertical shell and tube latent heat energy storage system. <i>Applied Thermal Engineering</i> , 2015, 87, 698-706.	3.0	116
13	Solar domestic hot water systems using latent heat energy storage medium: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 49, 517-533.	8.2	142
14	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
15	Compressed air energy storage: Thermodynamic and economic review. , 2014, , .		30
16	The influence of bacteria-based biofouling on the wall friction and velocity distribution of hydropower pipes. <i>Australian Journal of Mechanical Engineering</i> , 2014, 12, 77-88.	1.5	5
17	Turbulent boundary-layer structure of flows over freshwater biofilms. <i>Experiments in Fluids</i> , 2013, 54, 1.	1.1	13
18	Separation and Relaminarization at the Circular Arc Leading Edge of a Controlled Diffusion Compressor Stator. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
19	The Effect of Reduced Frequency on Transition and Separation at the Leading Edge of a Compressor Stator. , 2012, , .		0
20	Lab-on-a-Chip device with laser-patterned polymer electrodes for high voltage application and contactless conductivity detection. Chemical Communications, 2012, 48, 9287.	2.2	21
21	Observations of Transition Phenomena on a Controlled Diffusion Compressor Stator With a Circular Arc Leading Edge. Journal of Turbomachinery, 2010, 132, .	0.9	5
22	Drag force and surface roughness measurements on freshwater biofouled surfaces. Biofouling, 2010, 26, 487-496.	0.8	31
23	Influence of Inlet Velocity Ratio on the Outlet Flow Uniformity of a Fan-Shaped Film Cooling Hole. , 2009, , .		0
24	The Effect of Freshwater Biofilms on Skin Friction Drag. , 2009, , 1940-1945.		0
25	A Comparative Investigation of Round and Fan-Shaped Cooling Hole Near Flow Fields. Journal of Turbomachinery, 2008, 130, .	0.9	11
26	Unsteady Transition Phenomena at a Compressor Blade Leading Edge. Journal of Turbomachinery, 2008, 130, .	0.9	4
27	Observations of Transition Phenomena on a Controlled Diffusion Compressor Stator With a Circular Arc Leading Edge. , 2007, , .		1
28	A Comparative Investigation of Round and Fan-Shaped Cooling Hole Near Flow Fields. , 2007, , .		0
29	Unsteady Transition Phenomena at a Compressor Blade Leading Edge. , 2006, , 1797.		4
30	The Influence of Turbulence on Wake Dispersion and Blade Row Interaction in an Axial Compressor. Journal of Turbomachinery, 2006, 128, 150-157.	0.9	13
31	The Influence of Turbulence on Wake Dispersion and Blade Row Interaction in an Axial Compressor. , 2005, , 1323.		3