

# 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	A comparative study of thermal behaviour of a horizontal and vertical shell-and-tube energy storage using phase change materials. Applied Thermal Engineering, 2016, 93, 348-358.	3.0	247
2	Solar domestic hot water systems using latent heat energy storage medium: A review. Renewable and Sustainable Energy Reviews, 2015, 49, 517-533.	8.2	142
3	Numerical investigation of heat transfer mechanism in a vertical shell and tube latent heat energy storage system. Applied Thermal Engineering, 2015, 87, 698-706.	3.0	116
4	Design and performance evaluation of a pump-as-turbine micro-hydro test facility with incorporated inlet flow control. Renewable Energy, 2015, 78, 1-6.	4.3	63
5	3D printed LED based on-capillary detector housing with integrated slit. Analytica Chimica Acta, 2017, 965, 131-136.	2.6	49
6	One step multi-material 3D printing for the fabrication of a photometric detector flow cell. Analytica Chimica Acta, 2020, 1097, 127-134.	2.6	34
7	Drag force and surface roughness measurements on freshwater biofouled surfaces. Biofouling, 2010, 26, 487-496.	0.8	31
8	Compressed air energy storage: Thermodynamic and economic review. , 2014, , .		30
9	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
10	Comparison of inflow and outflow radial air turbines in vented and bidirectional OWC wave energy converters. Energy, 2019, 182, 159-176.	4.5	18
11	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
12	Turbulent boundary-layer structure of flows over freshwater biofilms. Experiments in Fluids, 2013, 54, 1.	1.1	13
13	A Comparative Investigation of Round and Fan-Shaped Cooling Hole Near Flow Fields. Journal of Turbomachinery, 2008, 130, .	0.9	11
14	Physics Based Hydraulic Turbine Model for System Dynamics Studies. IEEE Transactions on Power Systems, 2016, , 1-1.	4.6	9
15	Rapid Reserve Generation from a Francis Turbine for System Frequency Control. Energies, 2017, 10, 496.	1.6	9
16	Design optimization of a purely radial turbine for operation in the inhalation mode of an oscillating water column. Renewable Energy, 2020, 152, 540-556.	4.3	9
17	Design Optimisation of a Unidirectional Centrifugal Radial-Air-Turbine for Application in OWC Wave Energy Converters. Energies, 2019, 12, 2791.	1.6	7
18	Observations of Transition Phenomena on a Controlled Diffusion Compressor Stator With a Circular Arc Leading Edge. Journal of Turbomachinery, 2010, 132, .	0.9	5

#	ARTICLE	IF	CITATIONS
19	The influence of bacteria-based biofouling on the wall friction and velocity distribution of hydropower pipes. Australian Journal of Mechanical Engineering, 2014, 12, 77-88.	1.5	5
20	Unsteady Transition Phenomena at a Compressor Blade Leading Edge. , 2006, , 1797.		4
21	Unsteady Transition Phenomena at a Compressor Blade Leading Edge. Journal of Turbomachinery, 2008, 130, .	0.9	4
22	The Influence of Turbulence on Wake Dispersion and Blade Row Interaction in an Axial Compressor. , 2005, , 1323.		3
23	Bubble breakup in a turbulent shear layer. Journal of Physics: Conference Series, 2015, 656, 012015.	0.3	2
24	Light as a key driver of freshwater biofouling surface roughness in an experimental hydrocanal pipe rig. Biofouling, 2016, 32, 685-697.	0.8	2
25	Observations of Transition Phenomena on a Controlled Diffusion Compressor Stator With a Circular Arc Leading Edge. , 2007, , .		1
26	Influence of Inlet Velocity Ratio on the Outlet Flow Uniformity of a Fan-Shaped Film Cooling Hole. , 2009, , .		0
27	Separation and Relaminarization at the Circular Arc Leading Edge of a Controlled Diffusion Compressor Stator. , 2012, , .		0
28	The Effect of Reduced Frequency on Transition and Separation at the Leading Edge of a Compressor Stator. , 2012, , .		0
29	A Comparative Investigation of Round and Fan-Shaped Cooling Hole Near Flow Fields. , 2007, , .		0
30	The Effect of Freshwater Biofilms on Skin Friction Drag. , 2009, , 1940-1945.		0
31	Heat transfer mechanism in solar thermal energy storage systems using phase change materials. , 2016, , .		0