

# Herschel Pangborn

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

216  
citations

1478280

6  
h-index

1588896

8  
g-index

17  
all docs

17  
docs citations

17  
times ranked

120  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comparison between finite volume and switched moving boundary approaches for dynamic vapor compression system modeling. International Journal of Refrigeration, 2015, 53, 101-114.	1.8	54
2	Hierarchical Control of Aircraft Electro-Thermal Systems. IEEE Transactions on Control Systems Technology, 2020, 28, 1218-1232.	3.2	26
3	Dynamical Graph Models of Aircraft Electrical, Thermal, and Turbomachinery Components. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	0.9	24
4	Experimental Validation of Graph-Based Hierarchical Control for Thermal Management. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2018, 140, .	0.9	24
5	Experimental Validation of Graph-Based Modeling for Thermal Fluid Power Flow Systems. , 2016, , .		19
6	Hardware-in-the-Loop Validation of Advanced Fuel Thermal Management Control. Journal of Thermophysics and Heat Transfer, 2017, 31, 901-909.	0.9	16
7	Optimal Flow Control and Single Split Architecture Exploration for Fluid-Based Thermal Management. Journal of Mechanical Design, Transactions of the ASME, 2019, 141, .	1.7	15
8	Passivity and Decentralized MPC of Switched Graph-Based Power Flow Systems. , 2018, , .		11
9	Hierarchical Control for Electro-Thermal Power Management of an Electric Vehicle Powertrain. , 2018, , .		8
10	Optimal Flow Control and Single Split Architecture Exploration for Fluid-Based Thermal Management. , 2018, , .		5
11	Switched linear control for refrigerant superheat recovery in vapor compression systems. Control Engineering Practice, 2016, 57, 142-156.	3.2	4
12	Graph-based hierarchical control of thermal-fluid power flow systems. , 2017, , .		4
13	<i>qTSL</i> : A Multilayer Control Framework for Managing Capacity, Temperature, Stress, and Losses in Hybrid Balancing Systems. IEEE Transactions on Control Systems Technology, 2022, 30, 1228-1243.	3.2	4
14	Switched linear control of vapor compression systems under highly transient conditions. , 2016, , .		1
15	Discrete Reachability Analysis with Bounded Error Sets. , 2021, , 1-1.		1
16	Development and applications of a robot tracking system for NIST test methods. , 2013, , .		0
17	Dynamic Modeling of Heat Exchangers With Humidity and Condensation. , 2015, , .		0