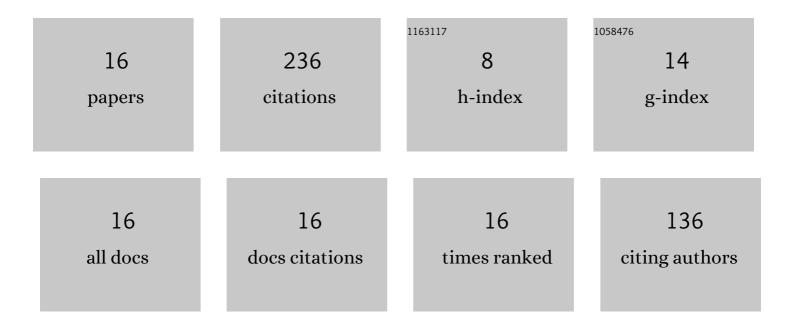
James Braun

List of Publications by Year in descending order

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IAMES ROALIN

#	Article	IF	CITATIONS
1	A scalable and practical method for disaggregating heating and cooling electrical usage using smart thermostat and smart metre data. Journal of Building Performance Simulation, 2022, 15, 251-267.	2.0	0
2	Supersonic Exhaust from a Rotating Detonation Engine with Throatless Diverging Channel. AIAA Journal, 2022, 60, 4015-4023.	2.6	3
3	On the effects of reactant stratification and wall curvature in non-premixed rotating detonation combustors. Combustion and Flame, 2022, 240, 112013.	5.2	33
4	Experimental study of internal flow structures in cylindrical rotating detonation engines. Proceedings of the Combustion Institute, 2021, 38, 3759-3768.	3.9	32
5	Aerothermal Optimization of Bladeless Turbines. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	1.1	5
6	A data-driven model for building energy normalization to enable eco-feedback in multi-family residential buildings with smart and connected technology. Journal of Building Performance Simulation, 2021, 14, 343-365.	2.0	3
7	Real-time model for unit-level heating and cooling energy prediction in multi-family residential housing. Journal of Building Performance Simulation, 2021, 14, 420-445.	2.0	4
8	Femtosecond/picosecond rotational coherent anti-Stokes Raman scattering thermometry in the exhaust of a rotating detonation combustor. Combustion and Flame, 2021, 231, 111504.	5.2	21
9	Application of femtosecond laser electronic excitation tagging (FLEET) velocimetry in a bladeless turbine. Measurement Science and Technology, 2020, 31, 064005.	2.6	15
10	Design and Experimental Assessment of Bladeless Turbines for Axial Inlet Supersonic Flows. Journal of Engineering for Gas Turbines and Power, 2020, 142, .	1.1	10
11	Integration of a transonic high-pressure turbine with a rotating detonation combustor and a diffuser. International Journal of Turbo and Jet Engines, 2020, .	0.7	7
12	Numerical Assessment of the Convective Heat Transfer in Rotating Detonation Combustors Using a Reduced-Order Model. Applied Sciences (Switzerland), 2018, 8, 893.	2.5	29
13	Multi-stage nozzle-shape optimization for pulsed hydrogen–air detonation combustor. Advances in Mechanical Engineering, 2017, 9, 168781401769095.	1.6	8
14	An inverse hygrothermal model for multi-zone buildings. Journal of Building Performance Simulation, 2016, 9, 510-528.	2.0	17
15	Comparative evaluation of model predictive control strategies for a building HVAC system. , 2013, , .		5
16	A Simplified Method for Determining Optimal Cooling Control Strategies for Thermal Storage in Building Mass. HVAC and R Research, 1996, 2, 59-78.	0.6	44