

# James McGuirk

## List of Publications by Year in descending order

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25  
papers

476  
citations

840776

11  
h-index

713466

21  
g-index

25  
all docs

25  
docs citations

25  
times ranked

284  
citing authors

#	ARTICLE	IF	CITATIONS
1	Jet Noise: Acoustic Analogy informed by Large Eddy Simulation. AIAA Journal, 2010, 48, 1312-1325.	2.6	152
2	Large Eddy Simulation of Liquid-Jet Primary Breakup in Air Crossflow. AIAA Journal, 2013, 51, 2878-2893.	2.6	66
3	Novel Implementation and Assessment of a Digital Filter Based Approach for the Generation of LES Inlet Conditions. Flow, Turbulence and Combustion, 2007, 79, 1-24.	2.6	52
4	Large-eddy simulation of twin impinging jets in cross-flow. Aeronautical Journal, 2007, 111, 195-206.	1.6	23
5	Large Eddy Simulation of Scalar Mixing in a Coaxial Confined Jet. Flow, Turbulence and Combustion, 2006, 77, 205-227.	2.6	21
6	Large Eddy Simulation of supersonic jet plumes from rectangular con-di nozzles. International Journal of Heat and Fluid Flow, 2013, 43, 62-73.	2.4	19
7	Stereo-PIV measurements of spatio-temporal turbulence correlations in an axisymmetric jet. Journal of Fluid Mechanics, 2015, 778, 216-252.	3.4	17
8	Experimental Data for CFD Validation of the Intake Ingestion Process in STOVL Aircraft. Flow, Turbulence and Combustion, 2000, 64, 233-251.	2.6	14
9	Assessment of turbulence model performance for transonic flow over an axisymmetric bump. Aeronautical Journal, 2001, 105, 17-32.	1.6	13
10	Large Eddy Simulation of a complete Harrier aircraft in ground effect. Aeronautical Journal, 2009, 113, 99-106.	1.6	13
11	An LES Turbulent Inflow Generator using A Recycling and Rescaling Method. Flow, Turbulence and Combustion, 2017, 98, 663-695.	2.6	13
12	The aerodynamic challenges of aeroengine gas-turbine combustion systems. Aeronautical Journal, 2014, 118, 557-599.	1.6	11
13	Influence of Nozzle Exit Conditions on the Near-Field Development of High Subsonic and Underexpanded Axisymmetric Jets. Aerospace, 2018, 5, 35.	2.2	10
14	Influence of a Numerical Boundary Layer Trips on Spatio-Temporal Correlations within LES of a Subsonic Jet. , 2011, , .		9
15	LES of Impinging Jet Flows Relevant to Vertical Landing Aircraft. , 2005, , .		8
16	Mildly-Compressible Pressure-Based CFD Methodology for Acoustic Propagation and Absorption Prediction. , 2011, , .		7
17	The near-field aerodynamic characteristics of hot high-speed jets. Journal of Fluid Mechanics, 2021, 915, .	3.4	6
18	Linear and Non-Linear Turbulence Model Predictions of Vortical Flows in Lobed Mixers. Aeronautical Journal, 2004, 108, 65-73.	1.6	5

#	ARTICLE	IF	CITATIONS
19	Effect of Scarfing on Rectangular Nozzle Supersonic Jet Plume Flow Characteristics. AIAA Journal, 2018, 56, 301-315.	2.6	5
20	Validation of a large eddy simulation methodology for accelerated nozzle flows. Aeronautical Journal, 2020, 124, 1070-1098.	1.6	4
21	Propulsive jet aerodynamics and aeroacoustics. Aeronautical Journal, 2022, 126, 2-58.	1.6	4
22	Simulation of Receptivity and Induced Transition From Discrete Roughness Elements. Flow, Turbulence and Combustion, 2015, 95, 301-334.	2.6	2
23	Prediction of a non-isothermal three-dimensional mixing layer created by a scarfed lobed mixer. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2006, 220, 399-419.	1.3	1
24	Progress towards open rotor propulsion technology. Aeronautical Journal, 2014, 118, 1101-1102.	1.6	1
25	Aerothermal Technologies for Low Emissions Combustors. Green Energy and Technology, 2021, , 357-388.	0.6	0