Gregory A Blaisdell

List of Publications by Year
in descending order

28	547	840776 11	996975 15
papers	citations	h-index	g-index

28	28	28	252
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Large Eddy Simulation of a Compressible Mixing Layer. , 2020, , .		0
2	Large-Eddy Simulations Analysis of Supersonic Heated Jets with Fluid Injection for Noise Reduction. AIAA Journal, 2019, 57, 3442-3455.	2.6	17
3	LES of Unheated and Heated Supersonic Jets with Fluidic Injection. , 2018, , .		3
4	Overview of Turbulent Inflow Boundary Conditions for Large-Eddy Simulations. AIAA Journal, 2018, 56, 1317-1334.	2.6	94
5	Noise reduction analysis of supersonic unheated jets with fluidic injection using large eddy simulations. International Journal of Aeroacoustics, 2018, 17, 467-501.	1.3	8
6	Aeroacoustics of Supersonic Jets With Fluidic Injection. , 2017, , .		7
7	Implementation of a Wall-Modeled Sharp Immersed Boundary Method in a High-Order Large Eddy Simulation Tool for Jet Aeroacoustics. , 2016, , .		4
8	Enhancements of a time-domain equivalent source method for acoustic scattering. , 2015, , .		0
9	An Efficient Time-Domain Equivalent Source Method for Acoustic Scattering. International Journal of Aeroacoustics, 2015, 14, 133-160.	1.3	15
10	Empirical Source Strength Correlations for RANS-Based Acoustic Analogy Methods. , 2015, , .		0
11	Implementation of a Sharp Immersed Boundary Method in a 3-D Multi-block Large Eddy Simulation Tool for Jet Aeroacoustics. , 2015, , .		8
12	Analysis of Converging-Diverging Beveled Nozzle Jets Using Large Eddy Simulation with a Wall Model. , 2015, , .		22
13	An Overview of Turbulent Inflow Boundary Conditions for Large Eddy Simulations (Invited). , 2015, , .		12
14	Equilibrium Wall Model for Large Eddy Simulations of Jets for Aeroacoustics. , 2014, , .		17
15	Digital Filter-based Turbulent Inflow Generation for Jet Aeroacoustics on Non-Uniform Structured Grids. , 2014, , .		21
16	Petascale large eddy simulation of jet engine noise based on the truncated SPIKE algorithm. Parallel Computing, 2014, 40, 496-511.	2.1	11
17	Large eddy simulations of 2-D and 3-D spatially developing mixing layers. Aerospace Science and Technology, 2013, 31, 59-72.	4.8	13
18	Reynolds Stress Relaxation Turbulence Modeling Applied to a Wingtip Vortex Flow. AIAA Journal, 2013, 51, 2643-2655.	2.6	24

#	Article	IF	Citations
19	A time-domain equivalent source method for acoustic scattering with coincident source and control points. , 2013, , .		5
20	Parametric Study of the Generation of Shocks in Near-Critical Turbofan Nozzles. Journal of Propulsion and Power, 2010, 26, 1259-1268.	2.2	1
21	Reducing Communication Overhead in Large Eddy Simulation of Jet Engine Noise. , 2010, , .		2
22	Numerical Simulations of a Wingtip Vortex in the Near Field. Journal of Aircraft, 2009, 46, 230-243.	2.4	25
23	Semi-Empirical Noise Models for Forced Mixer Jet Noise Predictions. International Journal of Aeroacoustics, 2006, 5, 139-171.	1.3	4
24	Impact of Subgrid-Scale Models on Jet Turbulence and Noise. AIAA Journal, 2006, 44, 1365-1368.	2.6	20
25	Application of Compact Schemes to Large Eddy Simulation of Turbulent Jets. Journal of Scientific Computing, 2004, 21, 283-319.	2.3	50
26	High-Order Compact Schemes with Filters on Multi-block Domains. Journal of Scientific Computing, 2004, 21, 321-339.	2.3	16
27	Coupling of Integral Acoustics Methods with LES for Jet Noise Prediction. International Journal of Aeroacoustics, 2004, 3, 297-346.	1.3	124
28	Sensitivity to the Smagorinsky Constant in Turbulent Jet Simulations. AIAA Journal, 2003, 41, 2077-2079.	2.6	24