## Noise Investigation of a High Subsonic, Moderate Reyno Compressible Large Eddy Simulation

Theoretical and Computational Fluid Dynamics 16, 273-297 DOI: 10.1007/s00162-002-0079-4

**Citation Report** 

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Downstream subsonic jet noise: link with vortical structures intruding into the jet core. Comptes<br>Rendus - Mecanique, 2002, 330, 527-533.  | 2.1 | 5         |
| 2  | Direct computation of the noise radiated by a subsonic cavity flow and application of integral methods. Journal of Sound and Vibration, 2003, 266, 119-146.                                 | 2.1 | 137       |
| 3  | Aeroacoustics research in Europe: the CEAS-ASC report on 2002 highlights. Journal of Sound and Vibration, 2003, 268, 809-824.   | 2.1 | 5         |
| 4  | Direct noise computation of adaptive control applied to aÂcavity flow. Comptes Rendus - Mecanique, 2003, 331, 423-429.  | 2.1 | 2         |
| 5  | 3-D Large Eddy Simulation for Jet Aeroacoustics. , 2003, , .  |     | 55        |
| 6  | Adjoint-based Control of Free Shear Noise (Invited). , 2003, , .  |     | 0         |
| 7  | Hybrid Simulation Approach for Cavity Flows: Blending, Algorithm, and Boundary Treatment Issues.<br>AIAA Journal, 2003, 41, 2079-2079.  | 1.5 | 0         |
| 8  | Sensitivity to the Smagorinsky Constant in Turbulent Jet Simulations. AIAA Journal, 2003, 41, 2077-2079.  | 1.5 | 24        |
| 9  | Noise Prediction of a Rectangular Jet Using Large-Eddy Simulation. AIAA Journal, 2004, 42, 1823-1831.   | 1.5 | 15        |
| 10 | A family of low dispersive and low dissipative explicit schemes for flow and noise computations.<br>Journal of Computational Physics, 2004, 194, 194-214.                                   | 1.9 | 764       |
| 11 | Application of Compact Schemes to Large Eddy Simulation of Turbulent Jets. Journal of Scientific Computing, 2004, 21, 283-319.  | 1.1 | 50        |
| 12 | Noise radiated by a non-isothermal, temporal mixing layer. Part I: Direct computation and prediction using compressible DNS. Theoretical and Computational Fluid Dynamics, 2004, 18, 61-81. | 0.9 | 38        |
| 13 | Computational aeroacoustics: progress on nonlinear problems of sound generation. Progress in Aerospace Sciences, 2004, 40, 345-416.   | 6.3 | 435       |
| 14 | Investigation of integral surface formulations for acoustic post-processing of unsteady aerodynamic jet simulations. Aerospace Science and Technology, 2004, 8, 453-467.                    | 2.5 | 68        |
| 15 | Contributions of Computational Aeroacoustics to Jet Noise Research and Prediction. International Journal of Computational Fluid Dynamics, 2004, 18, 481-491.                                | 0.5 | 55        |
| 16 | A Review of Parallel Computing in Computational Aeroacoustics. International Journal of Computational Fluid Dynamics, 2004, 18, 493-502.  | 0.5 | 9         |
| 17 | Spatial Correlations in a Transonic Jet. , 2004, , .  |     | 4         |
| 18 | Computation of the Noise Generated by Low Mach Number Flows Around a Cylinder and a<br>Wall-mounted Half Cylinder. , 2004, , .  |     | 6         |

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | A Study of Mach 0.75 Jets and Their Radiated Sound Using Large-Eddy Simulation. , 2004, , .  |     | 29        |
| 20 | Prediction of Noise from Jets with Different Nozzle Geometries. , 2004, , .  |     | 6         |
| 21 | Coupling of Integral Acoustics Methods with LES for Jet Noise Prediction. , 2004, , .  |     | 21        |
| 22 | The Prediction of Jet Noise from CFD Data. , 2004, , .   |     | 46        |
| 23 | Jet Noise Prediction of Cold and Hot Subsonic Jets Using Large-eddy Simulation. , 2004, , .  |     | 34        |
| 24 | Coupling of Integral Acoustics Methods with LES for Jet Noise Prediction. International Journal of Aeroacoustics, 2004, 3, 297-346.  | 0.8 | 124       |
| 25 | Investigation of an isothermal Mach 0.75 jet and its radiated sound using large-eddy simulation and<br>Kirchhoff surface integration. International Journal of Heat and Fluid Flow, 2005, 26, 393-410. | 1.1 | 57        |
| 26 | Shear-layer acoustic radiation in an excited subsonic jet: experimental study. Comptes Rendus -<br>Mecanique, 2005, 333, 746-753.  | 2.1 | 5         |
| 27 | Noise radiated by a non-isothermal, temporal mixing layer. Theoretical and Computational Fluid Dynamics, 2005, 19, 391-416.  | 0.9 | 33        |
| 28 | Comparative Study of Single-Block versus Multiblock Jet Flow Computations. AIAA Journal, 2005, 43, 1143-1146.  | 1.5 | 1         |
| 29 | Decrease of the Effective Reynolds Number with Eddy-Viscosity Subgrid Modeling. AIAA Journal, 2005, 43, 437-439.   | 1.5 | 62        |
| 30 | Noise Prediction for Increasingly Complex Jets. Part I: Methods and Tests. International Journal of Aeroacoustics, 2005, 4, 213-245.   | 0.8 | 305       |
| 31 | HIGH-ORDER CURVILINEAR SIMULATIONS OF FLOWS AROUND NON-CARTESIAN BODIES. Journal of Computational Acoustics, 2005, 13, 731-748.  | 1.0 | 37        |
| 32 | Prediction of Jet Noise From Circular Beveled Nozzles. , 2005, , .   |     | 12        |
| 33 | Effects of Inflow Conditions and Forcing on Subsonic Jet Flows and Noise AIAA Journal, 2005, 43, 1000-1007.  | 1.5 | 153       |
| 34 | On using large-eddy simulation for the prediction of noise from cold and heated turbulent jets.<br>Physics of Fluids, 2005, 17, 085103.  | 1.6 | 208       |
| 35 | Large-Eddy Simulation of Subsonic Turbulent Jets and Their Radiated Sound. AIAA Journal, 2005, 43, 1899-1912.  | 1.5 | 111       |
| 36 | Progress Towards Multi-Block Large Eddy Simulations for Wind Turbine Aeroacoustics. , 2005, , .  |     | 0         |

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | LES Prediction of Flow and Acoustic Field of a Coaxial Jet. , 2005, , .                                  |     | 27        |
| 38 | Investigation of sound sources in subsonic jets using causality methods on LES data. , 2005, , .         |     | 17        |
| 39 | Modal Analysis of a Subsonic Hot Jet LES with Comparison to the Linear Stability Analysis. , 2005, , .   |     | 9         |
| 40 | Effects of Inflow Conditions and Subgrid Model on LES for Turbulent Jets. , 2005, , .                    |     | 18        |
| 41 | Noise Prediction for a Turbulent Jet Using an LES/CAA Method. , 2005, , .                                |     | 7         |
| 42 | Generation of Low Frequency Sound in Turbulent Jets. , 2005, , .   |     | 13        |
| 43 | Near-Field Noise Computation for a Supersonic Circular Jet. , 2005, , .                                  |     | 3         |
| 44 | Aeroacoustic Numerical Method Assessment for a Double Stream Nozzle. , 2005, , .                         |     | 10        |
| 45 | Numerical Investigations of the Acoustics of a Coaxial Nozzle. , 2005, , .                               |     | 13        |
| 46 | Vortex method for simulation of a 3D round jet in a cross-stream. Journal of Turbulence, 2005, 6, N18.   | 0.5 | 5         |
| 47 | Computation of the Noise Radiated by Jets with Laminar/Turbulent Nozzle-Exit Conditions. , 2006, , .     |     | 16        |
| 48 | Computation of the Flow and Noise of Round and Beveled Nozzles. , 2006, , .                              |     | 13        |
| 49 | Large Eddy Simulation of Screech Tone Generation in a Planar Underexpanded Jet. , 2006, , .              |     | 21        |
| 50 | Adjoint Linearised Euler Solver in the Frequency Domain for Jet Noise Modelling. , 2006, , .             |     | 11        |
| 51 | Review of the current status of jet noise predictions using large-eddy simulation (invited). , 2006, , . |     | 40        |
| 52 | Progress Towards Large-Eddy Simulations for Prediction of Realistic Nozzle Systems. , 2006, , .          |     | 10        |
| 53 | Prediction of Jet Noise from Rectangular Nozzles. , 2006, , .  |     | 7         |
| 54 | Experimental Study of the Properties of Near-Field and Far-Field Jet Noise. , 2006, , .                  |     | 8         |

4

ARTICLE IF CITATIONS Direct Noise Computation around a 3-D NACA 0012 airfoil., 2006,,. 11 COMPUTATIONAL PREDICTION OF FLOW-GENERATED SOUND. Annual Review of Fluid Mechanics, 2006, 38, 10.8 359 483-512. Semi-Empirical Noise Models for Forced Mixer Jet Noise Predictions. International Journal of 57 0.8 4 Aeroacoustics, 2006, 5, 139-171. Low-dissipation and low-dispersion fourth-order Rungeâ€"Kutta algorithm. Computers and Fluids, 2006, 35, 1459-1463. Computation of a high Reynolds number jet and its radiated noise using large eddy simulation based 59 1.3 139 on explicit filtering. Computers and Fluids, 2006, 35, 1344-1358. Navierâ€"Stokes analysis methods for turbulent jet flows with application to aircraft exhaust nozzles. 6.3 64 Progress in Aerospace Sciences, 2006, 42, 377-418. Investigation of downstream and sideline subsonic jet noise using Large Eddy Simulation. Theoretical 61 0.9 84 and Computational Fluid Dynamics, 2006, 20, 23-40. Large eddy simulations of transitional round jets: Influence of the Reynolds number on flow 1.6 176 development and energy dissipation. Physics of Fluids, 2006, 18, 065101. 63 Impact of Subgrid-Scale Models on Jet Turbulence and Noise. AIAA Journal, 2006, 44, 1365-1368. 1.5 20 Investigating Correlations Between Reynolds-Averaged Flowfields and Noise for Forced Mixed Jets. 64 1.7 Journal of Aircraft, 2006, 43, 886-894. Jet Screech Noise Computation. AIAA Journal, 2006, 44, 992-998. 65 1.5 26 Spatial Correlations in a Transonic Jet. AIAA Journal, 2007, 45, 1357-1369. 1.5 Comparisons Between Experiment and Large-Eddy Simulation for Jet Noise. AIAA Journal, 2007, 45, 1.5 24 1952-1966. Progress Toward Large-Eddy Simulations for Prediction of Realistic Nozzle Systems. Journal of Propulsion and Power, 2007, 23, 971-980. 1.3 Frequency selection in globally unstable round jets. Physics of Fluids, 2007, 19, 054108. 69 43 1.6 Numerical study of screech generation in a planar supersonic jet. Physics of Fluids, 2007, 19, . Experimental Study of the Spectral Properties of Near-Field and Far-Field Jet Noise. International 0.8 82 Journal of Aeroacoustics, 2007, 6, 73-92. Computational Aeroacoustics of a Separate Flow Exhaust System with Eccentric Inner Nozzle., 2007,

CITATION REPORT

67

71

#

55

IF ARTICLE CITATIONS # Measurements in a Co-Axial Subsonic Jet., 2007,,. 73 10 Direct Computation of the Noise Generated by a Hot Coaxial Jet., 2007, , . 74 75 Analysis of Acoustic Source Mechanisms in Free Shear Flows., 2007,,. 1 Flow and Acoustics Characteristics of Chevron Nozzles in Coaxial Jets - LES & Acoustic Analogy Investigation., 2007,,. Nearfield-Farfield Correlations in Subsonic Jets: What Can They Tell Us?., 2007, , . 77 4 Influence of Inflow Forcing on Jet Flow and Jet Noise Predicted by LES., 2007, , . 79 Flow and Noise Predictions for a Mixer-Ejector Engine Configuration Using LES., 2007, , . 0 Near-Field Noise Computation for a Subsonic Coannular Jet., 2007,,. 81 Hybrid RANS/LES Calculations of High Speed Jet Noise., 2007, , . 4 Modeling of the Flow and Acoustical Field due to a Single Jet with Chevrons., 2007, , . Flow and Acoustics Simulations Based on LES and an Acoustic Analogy; an Application to Laryngeal 2 83 Airflow., 2007,,. An analysis of the correlations between the turbulent flow and the sound pressure fields of 1.4 subsonic jets. Journal of Fluid Mechanics, 2007, 583, 71-97. Mixing enhancement in coaxial jets through inflow forcing: A numerical study. Physics of Fluids, 85 1.6 29 2007, 19, . Reduced-order representation of turbulent jet flow and its noise source. ESAIM: Proceedings and 0.4 Surveys, 2007, 16, 33-50. Large-eddy simulation in the near-field of a transient multi-component gas jet with density gradients. 87 1.3 37 Computers and Fluids, 2007, 36, 1609-1620. High-order, low dispersive and low dissipative explicit schemes for multiple-scale and boundary 208 problems. Journal of Computational Physics, 2007, 224, 637-662. Subsonic jet aeroacoustics: associating experiment, modelling and simulation. Experiments in Fluids, 89 1.1 75 2007, 44, 1-21. Large-eddy simulation of film cooling flows at density gradients. International Journal of Heat and 1.1 99 Fluid Flow, 2008, 29, 18-34.

| #<br>91 | ARTICLE<br>Direct simulation of isolated elliptic vortices and of their radiated noise. Theoretical and<br>Computational Fluid Dynamics, 2008, 22, 65-82.                   | IF<br>0.9 | Citations |
|---------|---|-----------|-----------|
| 92      | Current Status of Jet Noise Predictions Using Large-Eddy Simulation. AIAA Journal, 2008, 46, 364-380.   | 1.5       | 235       |
| 93      | A Comparison of Predictions by SST and Wilcox k-w Models for a Mach 0.9 Jet. , 2008, , .  |           | 5         |
| 94      | Prediction of Jet Noise from a Coplanar Nozzle. , 2008, , .   |           | 7         |
| 95      | Numerical Simulation of Supersonic Jet Flows and their Noise. , 2008, , .   |           | 14        |
| 96      | Jet Noise Prediction of a Serrated Nozzle. , 2008, , .  |           | 7         |
| 97      | Towards Feedback Control of High-Speed and High-Reynolds-Number Jets. , 2008, , .   |           | 0         |
| 98      | Quality and Reliability of Large-Eddy Simulations. ERCOFTAC Series, 2008, , .   | 0.1       | 36        |
| 99      | Source-Mechanism Identification by Nearfield-Farfield Pressure Correlations in Subsonic Jets.<br>International Journal of Aeroacoustics, 2008, 7, 41-68.                    | 0.8       | 10        |
| 100     | Direct Noise Computation of the Turbulent Flow Around a Zero-Incidence Airfoil. AIAA Journal, 2008, 46, 874-883.  | 1.5       | 76        |
| 101     | Prediction of Turbulent Jet Mixing Noise Reduction by Water Injection. AIAA Journal, 2008, 46, 2714-2722.   | 1.5       | 36        |
| 102     | Flow and Noise Predictions for Single and Dual-Stream Beveled Nozzles. AIAA Journal, 2008, 46, 601-626.   | 1.5       | 57        |
| 103     | A Computational Investigation of the Interaction of Pulses in Two-Pulse Jets. Numerical Heat Transfer;<br>Part A: Applications, 2008, 54, 999-1021.                         | 1.2       | 11        |
| 104     | The generation of sound in turbulent motion. Aeronautical Journal, 2008, 112, 381-394.  | 1.1       | 5         |
| 105     | The near pressure field of co-axial subsonic jets. Journal of Fluid Mechanics, 2008, 611, 175-204.  | 1.4       | 217       |
| 106     | Low-frequency sound sources in high-speed turbulent jets. Journal of Fluid Mechanics, 2008, 617, 231-253.   | 1.4       | 39        |
| 107     | Prediction of Flowfield and Acoustic Signature of a Coaxial Jet Using RANS-Based Methods and Large-Eddy Simulation. International Journal of Aeroacoustics, 2008, 7, 23-40. | 0.8       | 4         |
| 108     | Direct Computation of the Noise Generated by Subsonic Jets Originating from a Straight Pipe Nozzle.<br>International Journal of Aeroacoustics, 2008, 7, 1-21.               | 0.8       | 42        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 109 | Nonlinear interaction model of subsonic jet noise. Philosophical Transactions Series A, Mathematical,<br>Physical, and Engineering Sciences, 2008, 366, 2745-2760.  | 1.6 | 51        |
| 110 | Unsteady Flamelet Response in the Near Field of High-Reynolds-Number Jets. AIAA Journal, 2009, 47,<br>1491-1506.  | 1.5 | 5         |
| 111 | Numerical study of eigenmode forcing effects on jet flow development and noise generation mechanisms. Physics of Fluids, 2009, 21, 045106.  | 1.6 | 25        |
| 112 | Large Eddy Simulation for Compressible Flows. Scientific Computation, 2009, , .   | 0.2 | 284       |
| 113 | Simulation of a hot coaxial jet: Direct noise prediction and flow-acoustics correlations. Physics of Fluids, 2009, 21, .  | 1.6 | 67        |
| 114 | Turbulence and energy budget in a self-preserving round jet: direct evaluation using large eddy simulation. Journal of Fluid Mechanics, 2009, 627, 129-160.   | 1.4 | 151       |
| 115 | Numerical predictions of noise due to subsonic jets from nozzles with and without chevrons. Applied Acoustics, 2009, 70, 321-332.   | 1.7 | 35        |
| 116 | Aerodynamic and Acoustic Predictions from Chevron Nozzles Using URANS Simulation. , 2009, , .   |     | 1         |
| 117 | Matched Hybrid Approaches to Predict Jet Noise by Using Large Eddy Simulation. , 2009, , .  |     | 10        |
| 118 | Modal Analysis of Jet Flow from a Coaxial Nozzle with Central Plug. , 2009, , .   |     | 3         |
| 119 | Mixing in an Accelerated Nozzle Flow. , 2009, , .   |     | 0         |
| 120 | Improved noise predictions from subsonic jets at Mach 0.75 using URANS calculations. Progress in Computational Fluid Dynamics, 2009, 9, 460.  | 0.1 | 4         |
| 121 | Aerodynamic sound generation by global modes in hot jets. Journal of Fluid Mechanics, 2010, 647,<br>473-489.  | 1.4 | 14        |
| 122 | Numerical investigation of the effect of chevrons in subsonic jets using URANS. Progress in Computational Fluid Dynamics, 2010, 10, 65.   | 0.1 | 1         |
| 123 | Reprint of: Using LES to explore sound-source mechanisms in jets. Procedia IUTAM, 2010, 1, 104-113.   | 1.2 | 2         |
| 124 | Toward accurate simulation and analysis of strong acoustic wave phenomena—A review from the experience of our study on rocket problems. International Journal for Numerical Methods in Fluids, 2010, 64, 1412-1432. | 0.9 | 20        |
| 125 | Sources of high-speed jet noise: Analysis of LES data and modeling. Procedia Engineering, 2010, 6, 84-93.   | 1.2 | 8         |
| 126 | Using LES to explore sound-source mechanisms in jets. Procedia Engineering, 2010, 6, 104-113.   | 1.2 | 3         |

| #<br>127 | ARTICLE<br>Reprint of: Sources of high-speed jet noise: analysis of LES data and modeling. Procedia IUTAM, 2010, 1,<br>84-93.  | IF<br>1.2 | Citations |
|----------|--|-----------|-----------|
| 128      | Influence of Inflow Forcing on Large-Eddy Simulation of High Subsonic Jet Noise. Journal of the Japan<br>Society for Aeronautical and Space Sciences, 2010, 58, 109-115. | 0.0       | 0         |
| 129      | Large-Eddy Simulations and Measurements of a Small-Scale High-Speed Coflowing Jet. AIAA Journal, 2010, 48, 963-974.  | 1.5       | 24        |
| 130      | Numerical Simulation of Broadband Shock-Associated Noise from A Circular Supersonic Jet. , 2010, , .   |           | 3         |
| 131      | Sound Generation of Variable Density Jets. , 2010, , .   |           | 2         |
| 132      | Effect of Filter Width on Sound of Variable Density Jets. , 2010, , .  |           | 1         |
| 133      | Feasibility of Large-Eddy Simulation on Angular Sector to Evaluate Chevron Effects on Jet Noise. , 2010, , .   |           | 0         |
| 134      | Jet Turbulance Characteristics Associated with Downstream and Sideline Sound Emission. , 2010, , .   |           | 2         |
| 135      | Implicit Large-Eddy Simulation of Noise Radiated by a Subsonic Jet at High Reynolds Number. , 2010, , .  |           | 0         |
| 136      | Large-Eddy Simulation of Subsonic Jets. Journal of Physics: Conference Series, 2011, 318, 032052.  | 0.3       | 9         |
| 137      | Large-Eddy Simulation of High-Subsonic Jet Flow with Microjet Injection. , 2011, , .   |           | 9         |
| 138      | Mechanisms of Jet Noise Reduction and Their Impact on Large-Eddy Simulations (invited). , 2011, , .  |           | 2         |
| 139      | Numerical Investigation of 3-D Supersonic Jet Flows Using Large Eddy Simulation. , 2011, , .   |           | 4         |
| 140      | Large Eddy Simulation of Jet Noise Suppression by Impinging Microjets. , 2011, , .   |           | 2         |
| 141      | An Innovative Interpolation Technique for Aeroacoustic Hybrid Methods. , 2011, , .   |           | 4         |
| 142      | A computational study of the effects of nozzle-exit turbulence level on the flow and acoustic fields of a subsonic jet. , 2011, , .                                      |           | 14        |
| 143      | Large Eddy Simulation and Noise Prediction of Turbulent Swirling Jets. , 2011, , .   |           | 0         |
| 144      | Physical sources of sound in laminar and turbulent jets. , 2011, , .   |           | 0         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 145 | Simulation of Compressible Jet Flow with Turbulent Nozzle Boundary Layer. , 2011, , .   |     | 0         |
| 146 | Practical Computational Aeroacoustics for Compact Surfaces in Low Mach Number Flows. Acta<br>Acustica United With Acustica, 2011, 97, 14-23.                                    | 0.8 | 4         |
| 147 | Hybrid LES — RANS of Complex Geometry Jets. International Journal of Aeroacoustics, 2011, 10, 659-684.  | 0.8 | 14        |
| 148 | A Comparison between Galerkin and Compact Schemes for Jet Noise Simulations. , 2011, , .  |     | 4         |
| 149 | The concept of minimized integrated exponential error for low dispersion and low dissipation schemes. International Journal for Numerical Methods in Fluids, 2011, 65, 578-601. | 0.9 | 15        |
| 150 | Using large eddy simulation to explore sound-source mechanisms in jets. Journal of Sound and Vibration, 2011, 330, 4098-4113.   | 2.1 | 61        |
| 151 | LES Predictions of Noise Emissions From a Low-Bypass Ratio Military Gas Turbine Engine. Journal of Engineering for Gas Turbines and Power, 2011, 133, .                         | 0.5 | 7         |
| 152 | The silent base flow and the sound sources in a laminar jet. Journal of the Acoustical Society of America, 2012, 131, 1959-1968.  | 0.5 | 5         |
| 153 | Noise Predictions for High Subsonic Single and Dual-Stream Jets in Flight. , 2012, , .  |     | 8         |
| 154 | Discontinuous Galerkin Schemes for the Direct Numerical Simulation of Fluid Flow and Acoustics. , 2012, , .   |     | 5         |
| 155 | Development and Application of an Efficient, Multiblock 3-D Large Eddy Simulation Tool for Jet Noise. , 2012, , .   |     | 16        |
| 156 | Flow and sound fields of initially tripped jets at Reynolds numbers ranging from 25,000 to 200,000. , 2012, , .   |     | 2         |
| 157 | Direct Noise Simulation of Near Field Noise during a Gas Injection Process with a Discontinuous<br>Galerkin Approach. , 2012, , .   |     | 1         |
| 158 | A twenty degree-of-freedom model of sound source dynamics in a turbulent jet. , 2012, , .   |     | 0         |
| 159 | Effect of Large-Eddy Simulation Fidelity on Predicted Mechanisms of Jet Noise Reduction. Journal of<br>Propulsion and Power, 2012, 28, 259-268.                                 | 1.3 | 6         |
| 160 | Large-Eddy Simulation of Complex Geometry Jets. Journal of Propulsion and Power, 2012, 28, 235-245.   | 1.3 | 19        |
| 161 | Parallel Algorithms for Compressible Turbulent Flow Simulation Using Direct Numerical Method.<br>Advanced Materials Research, 0, 516-517, 980-991.                              | 0.3 | 0         |
| 162 | Effects of initial shear-layer thickness on turbulent subsonic jets at moderate Reynolds numbers. ,<br>2012, , .  |     | 3         |

| #   | Article  | IF  | Citations |
|-----|--|-----|-----------|
| 163 | Jet noise simulation with realistic nozzle geometries using fully unstructured LES solver. , 2012, , .   |     | 13        |
| 164 | Numerical Investigation of 3-D Supersonic Jet Flows Using Large-Eddy Simulation. International Journal of Aeroacoustics, 2012, 11, 783-812.  | 0.8 | 32        |
| 165 | Cost-Effective Hybrid RANS-NLES Method for Jet Turbulence and Noise Prediction. , 2012, , .  |     | 0         |
| 166 | Towards Best Practices for Jet Noise Predictions with Unstructured Large Eddy Simulations. , 2012, , .   |     | 56        |
| 167 | Direct Numerical Simulation Study of an Experimental Lifted H <sub>2</sub> /N <sub>2</sub> Flame.<br>Part 1: Validation and Flame Structure. Energy & Fuels, 2012, 26, 6118-6127.              | 2.5 | 23        |
| 168 | Effects of moderate Reynolds numbers on subsonic round jets with highly disturbed nozzle-exit boundary layers. Physics of Fluids, 2012, 24, .  | 1.6 | 48        |
| 169 | Direct numerical simulation of the entrainment coefficient and turbulence properties for compressible spatially evolving axisymmetric jets. Fuel, 2012, 102, 470-477.                          | 3.4 | 12        |
| 170 | A hybrid LES/CAA method applied to jet noise prediction. , 2012, , .   |     | 2         |
| 171 | Non-conservative implicit large-eddy simulation method for predicting the noise radiated by subsonic jets. , 2012, , .   |     | 1         |
| 172 | Influence of initial turbulence level on the flow and sound fields of a subsonic jet at a diameter-based Reynolds number of 10 <sup>5</sup> . Journal of Fluid Mechanics, 2012, 701, 352-385.  | 1.4 | 139       |
| 173 | Analysis and optimization of numerical sponge layers as a nonreflective boundary treatment. Journal of Computational Physics, 2012, 231, 704-716.  | 1.9 | 110       |
| 174 | A CFD/CAA coupling method applied to jet noise prediction. Computers and Fluids, 2013, 86, 1-13.   | 1.3 | 20        |
| 175 | High Performance Computing in Science and Engineering $\hat{a} \in 12., 2013, .$   |     | 1         |
| 176 | Largeâ€eddy simulation of a compressible free jet flow on unstructured elements. International Journal of Numerical Methods for Heat and Fluid Flow, 2013, 23, 336-354.                        | 1.6 | 6         |
| 177 | Identification of the effects of the nozzle-exit boundary-layer thickness and its corresponding<br>Reynolds number in initially highly disturbed subsonic jets. Physics of Fluids, 2013, 25, . | 1.6 | 37        |
| 178 | Large eddy simulation of flow development and noise generation of free and swirling jets. Physics of Fluids, 2013, 25, .   | 1.6 | 17        |
| 179 | Three-dimensional vortex analysis and aeroacoustic source characterization of jet core breakdown.<br>Physics of Fluids, 2013, 25, 015112.  | 1.6 | 27        |
| 180 | Analysis techniques for aeroacoustics: noise source identification. CISM International Centre for Mechanical Sciences, Courses and Lectures, 2013, , 197-287.                                  | 0.3 | 0         |

| #   | Article  | IF   | CITATIONS |
|-----|--|------|-----------|
| 181 | Intermittent Nature of Subsonic Jet Noise. AIAA Journal, 2013, 51, 1142-1155.  | 1.5  | 53        |
| 182 | Discontinuous Galerkin for High Performance Computational Fluid Dynamics. , 2013, , 225-238.   |      | 1         |
| 184 | Monopole, Dipole, and Quadrupole Models. Springer Aerospace Technology, 2013, , 31-51.   | 0.2  | 0         |
| 185 | Lighthill's Theory of Aerodynamic Noise. Springer Aerospace Technology, 2013, , 53-60.   | 0.2  | 1         |
| 186 | Subsonic Jet Without Considering Convection. Springer Aerospace Technology, 2013, , 61-71.   | 0.2  | 0         |
| 187 | Subsonic Jet Noise (Including Effect of Convection). Springer Aerospace Technology, 2013, , 73-82.   | 0.2  | 0         |
| 188 | Computational Aeroacoustics. Springer Aerospace Technology, 2013, , 83-128.  | 0.2  | 0         |
| 189 | Further Topics in Aerodynamic Noise. Springer Aerospace Technology, 2013, , 129-149.   | 0.2  | 0         |
| 190 | Wave Packets and Turbulent Jet Noise. Annual Review of Fluid Mechanics, 2013, 45, 173-195.   | 10.8 | 462       |
| 191 | On the sources of jet noise: a numerical study using band-pass Filtering. , 2013, , .  |      | 2         |
| 192 | Numerical Simulation of the Flow and Sound Field of a Serrated Nozzle. , 2013, , .   |      | 2         |
| 193 | WAVELET-BASED POSTPROCESSING OF JET LES DATA FOR ACOUSTIC FAR-FIELD EXTRAPOLATIONS. Journal of Computational Acoustics, 2013, 21, 1350017.                           | 1.0  | 0         |
| 194 | Influence of boundary layers resolution on heated, subsonic, high Reynolds number jet flow and noise. , 2013, , .  |      | 11        |
| 195 | Practical Computational Aeroacoustics for Complex Confined Scattering Geometries in Low Mach<br>Number Flows. Acta Acustica United With Acustica, 2013, 99, 130-138. | 0.8  | 1         |
| 196 | A comparison of the silent base flow and vortex sound analogy sources in high speed subsonic jets. , 2013, , .   |      | 0         |
| 197 | Noise of an Overexpanded Mach 3.3 Jet: Non-Linear Propagation Effects and Correlations with Flow.<br>International Journal of Aeroacoustics, 2014, 13, 607-632.      | 0.8  | 34        |
| 198 | Equilibrium Wall Model for Large Eddy Simulations of Jets for Aeroacoustics. , 2014, , .   |      | 17        |
| 199 | A study of the effects of temperature on velocity and density fluctuations in high-subsonic jets. , 2014, , .  |      | 2         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 200 | Acoustics propagation and wave interference by scalar wave equation. , 2014, , .   |     | 0         |
| 201 | On the use of Plasma Synthetic Jets for the control of jet flow and noise. , 2014, , .   |     | 5         |
| 202 | Experimental and Numerical Study of Jet Noise Reduction of HBPR Engine by Microjet Injection. , 2014, , .  |     | 0         |
| 203 | Adjoint-based control of loud events in a turbulent jet. Journal of Fluid Mechanics, 2014, 741, 28-59.   | 1.4 | 42        |
| 204 | On the effective accuracy of spectral-like optimized finite-difference schemes for computational aeroacoustics. Journal of Computational Physics, 2014, 263, 222-232.                          | 1.9 | 16        |
| 205 | Simulation of Subsonic Turbulent Nozzle Jet Flow and Its Near-Field Sound. AIAA Journal, 2014, 52, 1653-1669.  | 1.5 | 23        |
| 206 | Unstructured LES of the baseline EXEJET dual-stream jet. , 2014, , .   |     | 14        |
| 207 | Petascale large eddy simulation of jet engine noise based on the truncated SPIKE algorithm. Parallel Computing, 2014, 40, 496-511.   | 1.3 | 11        |
| 208 | Dual-stream jet noise simulations with realistic nozzle geometries using a fully unstructured LES solver. , 2014, , .  |     | 7         |
| 209 | Conditional reaction rate in a lifted turbulent H2/N2 flame using direct numerical simulation.<br>International Journal of Hydrogen Energy, 2014, 39, 2703-2714.                               | 3.8 | 2         |
| 210 | A study on large coherent structures and noise emission in a turbulent round jet. Science China:<br>Physics, Mechanics and Astronomy, 2014, 57, 1552-1562.                                     | 2.0 | 3         |
| 211 | Construction, Analysis and Application of Coupled Compact Difference Scheme in Computational<br>Acoustics and Fluid Flow Problems. Communications in Computational Physics, 2015, 18, 957-984. | 0.7 | 10        |
| 212 | Jet Noise Prediction using a Permeable FW-H Solver. , 2015, , .  |     | 7         |
| 213 | Large-eddy simulation: Past, present and the future. Chinese Journal of Aeronautics, 2015, 28, 11-24.  | 2.8 | 215       |
| 214 | Subsonic Jet Noise Simulations Using Both Structured and Unstructured Grids. AIAA Journal, 2015, 53, 55-69.  | 1.5 | 52        |
| 215 | Analysis of Converging-Diverging Beveled Nozzle Jets Using Large Eddy Simulation with a Wall Model. , 2015, , .  |     | 22        |
| 216 | Finite-Time Lyapunov Exponent Analysis of Intermittent Acoustic Events in a Round Jet. , 2015, , .   |     | 7         |
| 217 | Aeroacoustic Simulations of a Simplified High-Lift Device Accounting for Installations Effects. , 2015, ,  |     | 4         |

13

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 218 | Analysis of noise radiation mechanisms in hot subsonic jet from a validated large eddy simulation solution. Physics of Fluids, 2015, 27, .                           | 1.6 | 39        |
| 219 | Development of compressible large-eddy simulations combining high-order schemes and wall modeling. , 2015, , .   |     | 6         |
| 220 | Improved Navier–Stokes Boundary Conditions Based on Generalized Characteristics. Journal of Computational Acoustics, 2015, 23, 1550006.                              | 1.0 | 0         |
| 221 | Numerical modelling of jets exiting from the ASME and conical nozzles. , 2015, , .   |     | 2         |
| 222 | Aeroacoustic Analysis of a Helicopter Engine Jet Including a Realistic Nozzle Geometry. , 2015, , .  |     | 3         |
| 223 | Efficiency of high accuracy DRP schemes in direct numerical simulations of incompressible turbulent flows. Computers and Fluids, 2015, 107, 123-140.                 | 1.3 | 20        |
| 224 | Research on Thermal-Field and Sound-Field Coupling Properties of Different Grid Forms. Shock and Vibration, 2016, 2016, 1-10.  | 0.3 | 1         |
| 225 | Zonal Detached-Eddy Simulations of a Dual-Stream Jet. AIAA Journal, 2016, 54, 3176-3190.   | 1.5 | 21        |
| 226 | Development of optimized interpolation schemes with spurious modes minimization. International<br>Journal for Numerical Methods in Fluids, 2016, 80, 140-158.        | 0.9 | 4         |
| 227 | Finite-time Lyapunov exponent-based analysis for compressible flows. Chaos, 2016, 26, 083112.  | 1.0 | 20        |
| 228 | Simulation of a Helicopter Engine Jet Including a Realistic Nozzle Geometry. Notes on Numerical Fluid<br>Mechanics and Multidisciplinary Design, 2016, , 157-165.    | 0.2 | 0         |
| 229 | How does a high density ratio affect the near- and intermediate-field of high-Re hydrogen jets?.<br>International Journal of Hydrogen Energy, 2016, 41, 15007-15025. | 3.8 | 17        |
| 230 | Computational analysis of nozzle geometry variations for subsonic turbulent jets. Computers and Fluids, 2016, 136, 467-484.  | 1.3 | 16        |
| 231 | Noise Prediction of a Simplified High-Lift Device. , 2016, , .   |     | 3         |
| 232 | A flux reconstruction technique for non-conforming grid interfaces in aeroacoustic simulations. , 2016, , .  |     | 1         |
| 233 | Lagrangian Characterization of Supersonic Jet Near-Fields. , 2016, , .   |     | 1         |
| 234 | Large Eddy Simulation of Jet Noise from Unstructured Grids with Turbulent Nozzle Boundary Layer. ,<br>2016, , .  |     | 3         |
| 235 | A study of the grid dependence of the flow field and noise of subsonic jets. , 2016, , .   |     | 5         |

|     |  | CITATION RE | PORT |           |
|-----|--|-------------|------|-----------|
| #   | Article  |             | IF   | CITATIONS |
| 236 | Linking Lagrangian & Acoustic Wave Dynamics via Finite-Time Lyapunov Exponent Fields.  | ,2016,,.    |      | 2         |
| 237 | Simulations of Initially Highly Disturbed Jets with Experiment-Like Exit Boundary Layers. AIAA Jo 2016, 54, 1299-1312.   | burnal,     | 1.5  | 33        |
| 238 | Large-Scale Simulations of a Non-generic Helicopter Engine Nozzle and a Ducted Axial Fan. , 20<br>389-405.   | )16, ,      |      | 2         |
| 239 | Detached Eddy Simulation of High-Lift Wing Slat Track and Cut-Out Noise. , 2016, , .   |             |      | Ο         |
| 240 | Unstructured Large-Eddy Simulations of Supersonic Jets. AIAA Journal, 2017, 55, 1164-1184.   |             | 1.5  | 176       |
| 241 | Validating a Monotonically-Integrated Large Eddy Simulation Code for Subsonic Jet Acoustics.   | ,2017,,.    |      | 10        |
| 242 | Direct numerical simulation of a temporally-developing subsonic round jet and its sound field.   | , 2017, ,   |      | 4         |
| 243 | Lagrangian Coherent Structures & Their Role in Jet Noise Generation. , 2017, , .   |             |      | 2         |
| 244 | Cost-effective hybrid RANS-LES type method for jet turbulence and noise prediction. Internatio<br>Journal of Aeroacoustics, 2017, 16, 97-111.  | onal        | 0.8  | 5         |
| 245 | Zonal Detached Eddy Simulations of a Dual-Stream Jet: Turbulence Rate Sensitivity. AIAA Journ 55, 2503-2521.   | al, 2017,   | 1.5  | 3         |
| 246 | Aeroacoustic Simulations of a Simplified High-Lift Device Accounting for Some Installation Effe<br>AIAA Journal, 2017, 55, 774-789.  | ets.        | 1.5  | 22        |
| 247 | On the noise generated by the potential-core closing of temporally-developing subsonic jets. ,   | 2017,,.     |      | 1         |
| 248 | Hermite regularization of the lattice Boltzmann method for open source computational aeroacoustics. Journal of the Acoustical Society of America, 2017, 142, 2332-2345.              |             | 0.5  | 26        |
| 249 | Numerical study of the flow and the near acoustic fields of an underexpanded round free jet generating two screech tones. International Journal of Aeroacoustics, 2017, 16, 603-625. |             | 0.8  | 29        |
| 250 | Large-Eddy simulation of an impinging heated jet for a small nozzle-to-plate distance and high<br>Reynolds number. International Journal of Heat and Fluid Flow, 2017, 68, 348-363.  |             | 1.1  | 19        |
| 251 | Numerical Analysis of the Impact of the Interior Nozzle Geometry on Low Mach Number Jet Ac<br>Flow, Turbulence and Combustion, 2017, 98, 417-443.                                    | oustics.    | 1.4  | 8         |
| 252 | Assessment of Large-Eddy Simulations of Turbulent Round Jets Using Low-Order Numerical Sc<br>SAE International Journal of Commercial Vehicles, 2017, 10, 572-581.                    | nemes.      | 0.4  | 1         |
| 253 | Computational analysis of subsonic jets from round and bevelled nozzles. International Journa<br>Energy Technology and Policy, 2017, 13, 141.  | l of        | 0.1  | 1         |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 254 | Dennis K. McLaughlin: Some history and achievements. International Journal of Aeroacoustics, 2018, 17, 7-21.  | 0.8 | 0         |
| 255 | Turbulent jet simulation using high-order DG methods for aeroacoustic analysis. International<br>Journal of Heat and Fluid Flow, 2018, 70, 380-390.                                 | 1.1 | 15        |
| 256 | Overview of Turbulent Inflow Boundary Conditions for Large-Eddy Simulations. AIAA Journal, 2018, 56, 1317-1334.   | 1.5 | 94        |
| 257 | Turbulent/non-turbulent interfaces in temporally evolving compressible planar jets. Physics of Fluids, 2018, 30, .  | 1.6 | 31        |
| 258 | Grid sensitivity of flow field and noise of high-Reynolds-number jets computed by large-eddy simulation. International Journal of Aeroacoustics, 2018, 17, 399-424.                 | 0.8 | 40        |
| 259 | Flow and sound fields of low-Reynolds-number temporal jets at Mach numbers from 0.3 to 2. , 2018, , .   |     | 1         |
| 260 | Adaptive Wall-Modelled Large Eddy Simulation of Jet Noise in Isolated and Installed Configurations. , 2018, , .   |     | 6         |
| 261 | On the theoretical self-similarity of turbulent round jets: boundary conditions and buffer zone treatments. , 2018, , .   |     | Ο         |
| 262 | Isothermal and heated subsonic jet noise using large eddy simulations on unstructured grids.<br>Computers and Fluids, 2018, 171, 166-192.   | 1.3 | 27        |
| 263 | Steepened Mach waves near supersonic jets: study of azimuthal structure and generation process using conditional averages. Journal of Fluid Mechanics, 2019, 880, 594-619.          | 1.4 | 15        |
| 264 | A technique of flux reconstruction at the interfaces of nonconforming grids for aeroacoustic simulations. International Journal for Numerical Methods in Fluids, 2019, 91, 587-614. | 0.9 | 2         |
| 265 | Prediction of Noise Mitigation by Porous Media based on a Direct-Hybrid CFD/CAA Method. , 2019, , .   |     | 2         |
| 266 | Curvature-induced deformations of the vortex rings generated at the exit of a rectangular duct.<br>Journal of Fluid Mechanics, 2019, 864, 141-180.                                  | 1.4 | 8         |
| 267 | Efficient parallelization for volume-coupled multiphysics simulations on hierarchical Cartesian grids. Computer Methods in Applied Mechanics and Engineering, 2019, 352, 461-487.   | 3.4 | 11        |
| 268 | Azimuthal mode analysis of broadband shock-associated noise in an under-expanded axisymmetric jet.<br>Journal of Sound and Vibration, 2019, 449, 64-83.                             | 2.1 | 15        |
| 269 | A Semi-empirical Prediction Method for the Fine Scale Turbulence Mixing Noise. , 2019, , .  |     | 1         |
| 270 | Hybrid Aeroacoustic Computations: State of Art and New Achievements. Journal of Theoretical and Computational Acoustics, 2019, 27, 1950020.   | 0.5 | 31        |
| 271 | Space-time correlations of velocity in a Mach 0.9 turbulent round jet. Physics of Fluids, 2019, 31, .   | 1.6 | 9         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 272 | On noise generation in low Reynolds number temporal round jets at a Mach number of 0.9. Journal of Fluid Mechanics, 2019, 859, 1022-1056.  | 1.4 | 16        |
| 273 | The Use of Large Eddy Simulations in Jet Aeroacoustics. , 2019, , .  |     | 8         |
| 274 | Two-dimensional features of correlations in the flow and near pressure fields of Mach number 0.9 jets. , 2019, , .   |     | 4         |
| 275 | Studies of flight-velocity effects on near-field and intermittent properties of a subsonic jet.<br>Computers and Fluids, 2020, 196, 104351.  | 1.3 | 1         |
| 276 | Influence of grid resolution on the spectral characteristics of noise radiated from turbulent jets:<br>Sound pressure fields and their decomposition. Computers and Fluids, 2020, 196, 104343.               | 1.3 | 10        |
| 277 | Influence of Turbulence Schmidt Number on Exit Temperature Distribution of an Annular Gas Turbine<br>Combustor using Flamelet Generated Manifold. Journal of Thermal Science, 2020, 29, 58-68.               | 0.9 | 4         |
| 278 | Temperature effects on the noise source mechanisms in a realistic subsonic dual-stream jet.<br>Computers and Fluids, 2020, 213, 104720.  | 1.3 | 2         |
| 279 | Simulation of Propagation of Acoustic-Gravity Waves Generated by Tropospheric Front Instabilities into the Upper Atmosphere. Pure and Applied Geophysics, 2020, 177, 5567-5584.                              | 0.8 | 5         |
| 280 | Single-pixel resolution velocity/convection velocity field of a supersonic jet measured by particle/schlieren image velocimetry. Experiments in Fluids, 2020, 61, 1.   | 1.1 | 30        |
| 281 | Experimental and Numerical Analysis on Noise Characteristics of Parallel Multiple Jets Obliquely<br>Impinging on a Flat Surface in the Steel Slab Scarfing. Steel Research International, 2020, 91, 2000125. | 1.0 | 0         |
| 282 | A pressure decomposition framework for aeroacoustic analysis of turbulent jets. European Journal of Mechanics, B/Fluids, 2020, 81, 41-61.  | 1.2 | 10        |
| 283 | Overview of the Use of Large-Eddy Simulations in Jet Aeroacoustics. AIAA Journal, 2020, 58, 1620-1638.   | 1.5 | 20        |
| 284 | Large eddy simulation of compressible round jets with coflow. International Journal of Heat and Fluid Flow, 2021, 87, 108744.  | 1.1 | 4         |
| 285 | Intermittent statistics of the 0-mode pressure fluctuations in the near field of Mach 0.9 circular jets at low and high Reynolds numbers. Theoretical and Computational Fluid Dynamics, 2021, 35, 229-247.   | 0.9 | 12        |
| 286 | A FWH Method for Aeroacoustic Prediction in Presence of Vorticity and Convection. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2021, , 773-784.  | 0.2 | 0         |
| 287 | High-speed turbulent gas jets: an LES investigation of Mach and Reynolds number effects on the velocity decay and spreading rate. Flow, Turbulence and Combustion, 2021, 107, 519-550.                       | 1.4 | 8         |
| 288 | Modelling turbulent jets at high-Reynolds number using one-dimensional turbulence. , 2021, , .   |     | 1         |
| 289 | Intermittent statistics and stochastic modelling of low and high Re compressible jets. , 2021, , .   |     | Ο         |

|     |   | CITATION RE     | EPORT |           |
|-----|---|-----------------|-------|-----------|
| #   | Article   |                 | IF    | CITATIONS |
| 291 | Anisotropic Grid Refinement Study for LES. ERCOFTAC Series, 2008, , 167-178.  |                 | 0.1   | 1         |
| 292 | Reduced-Order Modelling of Turbulent Jets for Noise Control. Notes on Numerical Fluid and Multidisciplinary Design, 2009, , 3-27.                                       | Mechanics       | 0.2   | 14        |
| 293 | Numerical Simulation of Jet Mixing Noise Associated with Engine Exhausts. Notes on N<br>Mechanics and Multidisciplinary Design, 2009, , 121-146.                        | lumerical Fluid | 0.2   | 6         |
| 294 | Advanced DES Methods and Their Application to Aeroacoustics. Notes on Numerical F and Multidisciplinary Design, 2010, , 59-76.  | uid Mechanics   | 0.2   | 3         |
| 295 | Turbulent Round Jet Entrainment—A Historical Perspective. , 2020, , 269-294.  |                 |       | 1         |
| 296 | Potential-core closing of temporally developing jets at Mach numbers between 0.3 and conditional averaging of flow and sound fields. Physical Review Fluids, 2019, 4, . | 2: Scaling and  | 1.0   | 7         |
| 298 | Prediction of flow-control devices' noise with modified acoustic perturbation equation Hydroinformatics, 2020, 22, 619-627.   | s. Journal of   | 1.1   | 1         |
| 299 | Simulation of Flow Control with Microjets for Subsonic Jet Noise Reduction. , 0, , .  |                 |       | 5         |
| 300 | On Sound Generated by a Globally Unstable Round Jet. , 2010, , 123-136.   |                 |       | 0         |
| 302 | Influence of the Nozzle Contraction Angles of Gaseous Extinguishing Systems on Disc<br>Fire Science and Engineering, 2019, 33, 77-82.                                   | harge Noise.    | 0.4   | 1         |
| 303 | Solutions of Computational Acoustic Problems Using DRP Schemes. , 2020, , 379-439   |                 |       | 0         |
| 306 | Intermittency and Stochastic Modeling of Low- and High-Reynolds-Number Compressi<br>Journal, 2022, 60, 1983-1990.   | ble Jets. AIAA  | 1.5   | 5         |
| 307 | Nonlinear evolution and low-frequency acoustic radiation of ring-mode coherent struc subsonic turbulent circular jets. Journal of Fluid Mechanics, 2022, 940, .         | tures on        | 1.4   | 3         |
| 308 | Correlation analysis of flow and sound in non-isothermal subsonic jets based on large simulations. Physics of Fluids, 2022, 34, 045125.                                 | eddy            | 1.6   | 2         |
| 309 | Jet noise predictions by time marching of single-snapshot tomographic PIV fields. Expe<br>Fluids, 2022, 63, .   | riments in      | 1.1   | 2         |
| 310 | A Deep Neural Networks based Prediction Method for the Turbulence Mixing Jet Noise  | .,2022,,.       |       | 0         |
| 311 | A non-Lighthill hybrid method for low-frequency sound radiation in subsonic jet. , 2022   | ),,.            |       | 0         |
| 312 | Features of far-downstream asymptotic velocity fluctuations in a round jet: A one-dime<br>turbulence study. Physics of Fluids, 2022, 34, .                              | ensional        | 1.6   | 4         |

| #   | Article  | IF  | Citations |
|-----|--|-----|-----------|
| 313 | MIXING OF SEVERAL FLUIDS IN AN ACCELERATED NOZZLE FLOW. , 2009, , .  |     | 0         |
| 314 | Semi-explicit large eddy simulation in non-reacting air/gas fuel jet flows. Journal of Advanced<br>Simulation in Science and Engineering, 2023, 10, 1-20.  | 0.1 | 1         |
| 315 | Visualization of Underwater Radiated Noise in the Near- and Far-Field of a Propeller-Hull<br>Configuration Using CFD Simulation Results. Journal of Marine Science and Engineering, 2023, 11, 834. | 1.2 | 3         |