

Vincent Jaunet

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

28

papers

521

citations

12

h-index

22

g-index

35

ext. papers

824

ext. citations

3.4

avg, IF

4.06

L-index

#	Paper	IF	Citations
28	Importance of the nozzle-exit boundary-layer state in subsonic turbulent jets. <i>Journal of Fluid Mechanics</i> , 2018 , 851, 83-124	3.7	83
27	Acoustic resonance in the potential core of subsonic jets. <i>Journal of Fluid Mechanics</i> , 2017 , 825, 1113-1152	3.7	71
26	Upstream-travelling acoustic jet modes as a closure mechanism for screech. <i>Journal of Fluid Mechanics</i> , 2018 , 855,	3.7	47
25	Jetflap interaction tones. <i>Journal of Fluid Mechanics</i> , 2018 , 853, 333-358	3.7	45
24	Screech-tone prediction using upstream-travelling jet modes. <i>Experiments in Fluids</i> , 2019 , 60, 1	2.5	37
23	Resolvent-based modeling of coherent wave packets in a turbulent jet. <i>Physical Review Fluids</i> , 2019 , 4,	2.8	30
22	Large eddy simulation for jet noise: the importance of getting the boundary layer right 2015 ,		29
21	Scattering of turbulent-jet wavepackets by a swept trailing edge. <i>Journal of the Acoustical Society of America</i> , 2016 , 140, 4350	2.2	28
20	Length Scales and Time Scales of a Heated Shock-Wave/Boundary-Layer Interaction. <i>AIAA Journal</i> , 2014 , 52, 2524-2532	2.1	25
19	Modeling of coherent structures in a turbulent jet as global linear instability wavepackets: Theory and experiment. <i>International Journal of Heat and Fluid Flow</i> , 2016 , 62, 24-32	2.4	15
18	Large-scale streaky structures in turbulent jets. <i>Journal of Fluid Mechanics</i> , 2019 , 873, 211-237	3.7	14
17	Waves in screeching jets. <i>Journal of Fluid Mechanics</i> , 2021 , 913,	3.7	14
16	Stochastic and harmonic optimal forcing in subsonic jets 2016 ,		12
15	Large eddy simulation for jet noise: azimuthal decomposition and intermittency of the radiated sound 2016 ,		12
14	Scattering of turbulent-jet wavepackets by a swept trailing edge 2015 ,		12
13	Experiments on lift dynamics and feedback control of a wind turbine blade section. <i>Renewable Energy</i> , 2018 , 126, 65-78	8.1	9
12	Trapped acoustic waves in the potential core of subsonic jets 2016 ,		8

11	Super- and multi-directive acoustic radiation by linear global modes of a turbulent jet 2016 ,		6
10	Tonal dynamics and sound in subsonic turbulent jets 2016 ,		4
9	Dynamics of round jet impingement 2019 ,		4
8	Modulation of downstream-propagating waves in aeroacoustic resonance 2019 ,		4
7	Two-Point Wavepacket Modelling of Jet Noise 2017 ,		2
6	Two-point coherence of wavepackets in turbulent jets 2016 ,		2
5	Absolute instability in shock-containing jets. <i>Journal of Fluid Mechanics</i> , 2022 , 930,	3.7	2
4	Reflection coefficients and screech-tone prediction in supersonic jets 2019 ,		2
3	A complex-valued resonance model for axisymmetric screech tones in supersonic jets. <i>Journal of Fluid Mechanics</i> , 2021 , 928,	3.7	1
2	Including acoustic modes in the vortex-sheet eigenbasis of a jet.. <i>Journal of the Acoustical Society of America</i> , 2022 , 151, 852	2.2	0
1	Wavelet series method for reconstruction and spectral estimation of laser Doppler velocimetry data. <i>Experiments in Fluids</i> , 2012 , 52, 225-233	2.5	