

K B M Q Zaman

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40
papers

3,433
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29
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40
ext. papers

3,907
ext. citations

3
avg, IF

5.23
L-index

#	Paper	IF	Citations
40	Vortex pairing in a circular jet under controlled excitation. Part 1. General jet response. <i>Journal of Fluid Mechanics</i> , 1980 , 101, 449-491	3.7	347
39	Control of an axisymmetric jet using vortex generators. <i>Physics of Fluids</i> , 1994 , 6, 778-793	4.4	308
38	Effect of tabs on the flow and noise field of an axisymmetric jet. <i>AIAA Journal</i> , 1993 , 31, 609-619	2.1	252
37	Spreading characteristics of compressible jets from nozzles of various geometries. <i>Journal of Fluid Mechanics</i> , 1999 , 383, 197-228	3.7	213
36	Axis switching and spreading of an asymmetric jet: the role of coherent structure dynamics. <i>Journal of Fluid Mechanics</i> , 1996 , 316, 1-27	3.7	211
35	Turbulence suppression in free shear flows by controlled excitation. <i>Journal of Fluid Mechanics</i> , 1981 , 103, 133	3.7	202
34	Vortex pairing in a circular jet under controlled excitation. Part 2. Coherent structure dynamics. <i>Journal of Fluid Mechanics</i> , 1980 , 101, 493-544	3.7	157
33	Taylor hypothesis and large-scale coherent structures. <i>Journal of Fluid Mechanics</i> , 1981 , 112, 379	3.7	156
32	A natural low-frequency oscillation of the flow over an airfoil near stalling conditions. <i>Journal of Fluid Mechanics</i> , 1989 , 202, 403-442	3.7	138
31	Effect of acoustic excitation on the flow over a low-Re airfoil. <i>Journal of Fluid Mechanics</i> , 1987 , 182, 127	3.7	122
30	Far-field noise of a subsonic jet under controlled excitation. <i>Journal of Fluid Mechanics</i> , 1985 , 152, 83-111	3.7	110
29	Subsonic Jet Noise from Nonaxisymmetric and Tabled Nozzles. <i>AIAA Journal</i> , 2000 , 38, 592-599	2.1	103
28	Effect of initial condition on subsonic jet noise. <i>AIAA Journal</i> , 1985 , 23, 1370-1373	2.1	102
27	An experimental study of organized motions in the turbulent plane mixing layer. <i>Journal of Fluid Mechanics</i> , 1985 , 159, 85	3.7	74
26	Investigation of a transonic resonance with convergent-divergent nozzles. <i>Journal of Fluid Mechanics</i> , 2002 , 463, 313-343	3.7	72
25	Flow oscillation over an airfoil near stall. <i>AIAA Journal</i> , 1996 , 34, 199-201	2.1	63
24	The free shear layer tone phenomenon and probe interference. <i>Journal of Fluid Mechanics</i> , 1978 , 87, 349-383	3.7	63

23	Natural large-scale structures in the axisymmetric mixing layer. <i>Journal of Fluid Mechanics</i> , 1984 , 138, 325-351	3.7	62
22	Large- and small-scale vortical motions in a shear layer perturbed by tabs. <i>Journal of Fluid Mechanics</i> , 1999 , 382, 307-329	3.7	60
21	Effect of acoustic excitation on stalled flows over an airfoil. <i>AIAA Journal</i> , 1992 , 30, 1492-1499	2.1	59
20	Synthetic Jets in Cross-Flow. <i>AIAA Journal</i> , 2005 , 43, 929-940	2.1	57
19	Asymptotic spreading rate of initially compressible jets—Experiment and analysis. <i>Physics of Fluids</i> , 1998 , 10, 2652-2660	4.4	57
18	Control of laminar separation over airfoils by acoustic excitation. <i>AIAA Journal</i> , 1991 , 29, 1075-1083	2.1	56
17	The effect of vortex generators on a jet in a cross-flow. <i>Physics of Fluids</i> , 1997 , 9, 106-114	4.4	55
16	Initial turbulence effect on jet evolution with and without tonal excitation. <i>Physics of Fluids A, Fluid Dynamics</i> , 1989 , 1, 1240-1248		53
15	Effect of Initial Boundary-Layer State on Subsonic Jet Noise. <i>AIAA Journal</i> , 2012 , 50, 1784-1795	2.1	48
14	Numerical Investigation of Transonic Resonance with a Convergent-Divergent Nozzle. <i>AIAA Journal</i> , 2002 , 40, 2393-2401	2.1	41
13	Noise, Turbulence, and Thrust of Subsonic Freejets from Lobed Nozzles. <i>AIAA Journal</i> , 2003 , 41, 398-407	2.1	35
12	Fluid Dynamics of Highly Pitched and Yawed Jets in Crossflow. <i>AIAA Journal</i> , 2004 , 42, 874-882	2.1	31
11	Reversal in spreading of a tabbed circular jet under controlled excitation. <i>Physics of Fluids</i> , 1997 , 9, 3733-3741	4.4	24
10	Inclined Jet in Crossflow Interacting with a Vortex Generator. <i>Journal of Propulsion and Power</i> , 2010 , 26, 947-954	1.8	22
9	Impact of tab location relative to the nozzle exit on jet distortion. <i>AIAA Journal</i> , 1996 , 34, 197-199	2.1	17
8	An experimental investigation of resonant interaction of a rectangular jet with a flat plate. <i>Journal of Fluid Mechanics</i> , 2015 , 779, 751-775	3.7	14
7	The Low Frequency Oscillation in the Flow Over a NACA0012 Airfoil with an [t]ed [l]Leading Edge. <i>Lecture Notes in Engineering</i> , 1989 , 271-282		14
6	Aerodynamics of a Jet in the Vortex Wake of a Wing. <i>AIAA Journal</i> , 2002 , 40, 401-407	2.1	12

5	Excess Broadband Noise Observed with Overexpanded Jets. <i>AIAA Journal</i> , 2010 , 48, 202-214	2.1	8
4	Noise and Spreading of Subsonic Coannular jets-Comparison with Single Equivalent Jet. <i>AIAA Journal</i> , 2007 , 45, 2661-2670	2.1	6
3	Computation of Three-Dimensional Compressible Flow From a Rectangular Nozzle With Delta Tabs. <i>Journal of Engineering for Gas Turbines and Power</i> , 1999 , 121, 235-242	1.7	6
2	The Preferred-Mode Coherent Structure in the Near Field of an Axisymmetric Jet With and Without Excitation 1981 , 390-401		2
1	Shock-Induced Boundary-Layer Separation in Round Convergent-Divergent Nozzles. <i>AIAA Journal</i> , 2016 , 54, 434-442	2.1	1