

K B M Q Zaman

List of Publications by Year in descending order

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39
papers

4,273
citations

159358

30
h-index

301761

39
g-index

40
all docs

40
docs citations

40
times ranked

1158
citing authors

#	ARTICLE	IF	CITATIONS
1	Vortex pairing in a circular jet under controlled excitation. Part 1. General jet response. Journal of Fluid Mechanics, 1980, 101, 449-491.	1.4	434
2	Control of an axisymmetric jet using vortex generators. Physics of Fluids, 1994, 6, 778-793.	1.6	387
3	Effect of tabs on the flow and noise field of an axisymmetric jet. AIAA Journal, 1993, 31, 609-619.	1.5	317
4	Axis switching and spreading of an asymmetric jet: the role of coherent structure dynamics. Journal of Fluid Mechanics, 1996, 316, 1-27.	1.4	275
5	Spreading characteristics of compressible jets from nozzles of various geometries. Journal of Fluid Mechanics, 1999, 383, 197-228.	1.4	264
6	Turbulence suppression in free shear flows by controlled excitation. Journal of Fluid Mechanics, 1981, 103, 133.	1.4	246
7	Vortex pairing in a circular jet under controlled excitation. Part 2. Coherent structure dynamics. Journal of Fluid Mechanics, 1980, 101, 493-544.	1.4	201
8	Taylor hypothesis and large-scale coherent structures. Journal of Fluid Mechanics, 1981, 112, 379.	1.4	186
9	A natural low-frequency oscillation of the flow over an airfoil near stalling conditions. Journal of Fluid Mechanics, 1989, 202, 403-442.	1.4	173
10	Effect of acoustic excitation on the flow over a low- Re airfoil. Journal of Fluid Mechanics, 1987, 182, 127.	1.4	153
11	Effect of initial condition on subsonic jet noise. AIAA Journal, 1985, 23, 1370-1373.	1.5	127
12	Far-field noise of a subsonic jet under controlled excitation. Journal of Fluid Mechanics, 1985, 152, 83-111.	1.4	126
13	Subsonic Jet Noise from Nonaxisymmetric and Tabled Nozzles. AIAA Journal, 2000, 38, 592-599.	1.5	122
14	An experimental study of organized motions in the turbulent plane mixing layer. Journal of Fluid Mechanics, 1985, 159, 85.	1.4	91
15	Investigation of a "transonic resonance"™ with convergent-divergent nozzles. Journal of Fluid Mechanics, 2002, 463, 313-343.	1.4	87
16	The free shear layer tone phenomenon and probe interference. Journal of Fluid Mechanics, 1978, 87, 349-383.	1.4	82
17	Large- and small-scale vortical motions in a shear layer perturbed by tabs. Journal of Fluid Mechanics, 1999, 382, 307-329.	1.4	79
18	Effect of acoustic excitation on stalled flows over an airfoil. AIAA Journal, 1992, 30, 1492-1499.	1.5	76

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19	Natural large-scale structures in the axisymmetric mixing layer. Journal of Fluid Mechanics, 1984, 138, 325-351.	1.4	74
20	Flow oscillation over an airfoil near stall. AIAA Journal, 1996, 34, 199-201.	1.5	73
21	Control of laminar separation over airfoils by acoustic excitation. AIAA Journal, 1991, 29, 1075-1083.	1.5	72
22	Synthetic Jets in Cross-Flow. AIAA Journal, 2005, 43, 929-940.	1.5	67
23	Asymptotic spreading rate of initially compressible jets—experiment and analysis. Physics of Fluids, 1998, 10, 2652-2660.	1.6	64
24	The effect of vortex generators on a jet in a crossflow. Physics of Fluids, 1997, 9, 106-114.	1.6	63
25	Initial turbulence effect on jet evolution with and without tonal excitation. Physics of Fluids A, Fluid Dynamics, 1989, 1, 1240-1248.	1.6	62
26	Effect of Initial Boundary-Layer State on Subsonic Jet Noise. AIAA Journal, 2012, 50, 1784-1795.	1.5	60
27	Numerical Investigation of Transonic Resonance with a Convergent-Divergent Nozzle. AIAA Journal, 2002, 40, 2393-2401.	1.5	54
28	Noise, Turbulence, and Thrust of Subsonic Freejets from Lobed Nozzles. AIAA Journal, 2003, 41, 398-407.	1.5	45
29	Fluid Dynamics of Highly Pitched and Yawed Jets in Crossflow. AIAA Journal, 2004, 42, 874-882.	1.5	37
30	Reversal in spreading of a tabbed circular jet under controlled excitation. Physics of Fluids, 1997, 9, 3733-3741.	1.6	31
31	Inclined Jet in Crossflow Interacting with a Vortex Generator. Journal of Propulsion and Power, 2010, 26, 947-954.	1.3	29
32	An experimental investigation of resonant interaction of a rectangular jet with a flat plate. Journal of Fluid Mechanics, 2015, 779, 751-775.	1.4	25
33	Impact of tab location relative to the nozzle exit on jet distortion. AIAA Journal, 1996, 34, 197-199.	1.5	20
34	The Low Frequency Oscillation in the Flow Over a NACA0012 Airfoil with an α -Leading Edge. Lecture Notes in Engineering, 1989, , 271-282.	0.1	17
35	Noise and Spreading of Subsonic Coannular jets-Comparison with Single Equivalent Jet. AIAA Journal, 2007, 45, 2661-2670.	1.5	14
36	Aerodynamics of a Jet in the Vortex Wake of a Wing. AIAA Journal, 2002, 40, 401-407.	1.5	13

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37	Excess Broadband Noise Observed with Overexpanded Jets. AIAA Journal, 2010, 48, 202-214.	1.5	13
38	Computation of Three-Dimensional Compressible Flow From a Rectangular Nozzle With Delta Tabs. Journal of Engineering for Gas Turbines and Power, 1999, 121, 235-242.	0.5	8
39	Shock-Induced Boundary-Layer Separation in Round Convergent–Divergent Nozzles. AIAA Journal, 2016, 54, 434-442.	1.5	2