

R E Luxton

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

787
citations

1163117

8
h-index

1199594

12
g-index

16
all docs

16
docs citations

16
times ranked

371
citing authors

#	ARTICLE	IF	CITATIONS
1	The response of a turbulent boundary layer to a step change in surface roughness Part 1. Smooth to rough. Journal of Fluid Mechanics, 1971, 48, 721-761.	3.4	370
2	The response of a turbulent boundary layer to a step change in surface roughness. Part 2. Rough-to-smooth. Journal of Fluid Mechanics, 1972, 53, 737-757.	3.4	175
3	An axisymmetric "fluidic" nozzle to generate jet precession. Journal of Fluid Mechanics, 1998, 370, 347-380.	3.4	97
4	The Response of a Turbulent Boundary Layer to an Upstanding Step Change in Surface Roughness. Journal of Basic Engineering, 1971, 93, 22-32.	0.1	38
5	The development of turbulence structure in a uniform shear flow. Journal of Fluid Mechanics, 1975, 68, 577-590.	3.4	32
6	Velocity and Reynolds stresses in a precessing jet flow. Experiments in Fluids, 1997, 22, 489-495.	2.4	24
7	Velocity measurements in a precessing jet flow using a three dimensional LDA system. Experiments in Fluids, 1997, 23, 89-98.	2.4	21
8	Energy Balance in a Turbulent Boundary Layer on a Rough Wall. Physics of Fluids, 1971, 14, 1027.	1.4	17
9	Characteristics of a turbulent boundary layer with an external turbulent uniform shear flow. Journal of Fluid Mechanics, 1976, 77, 369-396.	3.4	5
10	Calculation of Heat Transfer Coefficients in Cooled Turbine Cascades. Aeronautical Quarterly, 1966, 17, 253-268.	0.2	3
11	The Behavior of a Two-Dimensional Wake in a Uniformly Sheared Turbulent Flow. Journal of Applied Mechanics, Transactions ASME, 1975, 42, 283-288.	2.2	3
12	The Calculation of Heat Transfer Coefficients from Skin Friction Coefficients in the Compressible Laminar Boundary Layer on an Aerofoil. Aeronautical Quarterly, 1968, 19, 243-253.	0.2	2
13	Acoustic Isolation of Fans in Ducts. Proceedings / Institution of Mechanical Engineers, 1966, 181, 948-965.	0.0	0
14	A GENERAL APPROACH TO THE OPTIMIZATION OF THERMAL ENERGY SYSTEMS. Engineering Optimization, 1985, 9, 89-106.	2.6	0
15	Control of Heat Flux Profiles from Rotary Kiln Burners by Modification of Mixing. Asia-Pacific Journal of Chemical Engineering, 2008, 7, 333-344.	0.0	0
16	Closure to "Discussion of "The Response of a Turbulent Boundary Layer to an Upstanding Step Change in Surface Roughness" (1971, ASME J. Basic Eng., 93, pp. 32-34). Journal of Basic Engineering, 1971, 93, 34-34.	0.1	0