

Michael A Leschziner

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

967
citations

840776

11
h-index

1199594

12
g-index

15
all docs

15
docs citations

15
times ranked

635
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly resolved large-eddy simulation of separated flow in a channel with streamwise periodic constrictions. <i>Journal of Fluid Mechanics</i> , 2005, 526, 19-66.	3.4	350
2	Investigation of wall-function approximations and subgrid-scale models in large eddy simulation of separated flow in a channel with streamwise periodic constrictions. <i>International Journal of Heat and Fluid Flow</i> , 2003, 24, 157-180.	2.4	191
3	Near-wall streak modification by spanwise oscillatory wall motion and drag-reduction mechanisms. <i>Journal of Fluid Mechanics</i> , 2012, 693, 150-200.	3.4	127
4	A review of turbulent skin-friction drag reduction by near-wall transverse forcing. <i>Progress in Aerospace Sciences</i> , 2021, 123, 100713.	12.1	68
5	Large-eddy simulation of turbulent boundary layer separation from a rounded step. <i>Journal of Turbulence</i> , 2012, 13, N4.	1.4	51
6	Can large-scale oblique undulations on a solid wall reduce the turbulent drag?. <i>Physics of Fluids</i> , 2017, 29, .	4.0	36
7	The streamwise drag-reduction response of a boundary layer subjected to a sudden imposition of transverse oscillatory wall motion. <i>Physics of Fluids</i> , 2013, 25, 075109.	4.0	34
8	Simulation of slot and round synthetic jets in the context of boundary-layer separation control. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011, 369, 1495-1512.	3.4	31
9	Pattern prediction by linear analysis of turbulent flow with drag reduction by wall oscillation. <i>Journal of Fluid Mechanics</i> , 2013, 724, 607-641.	3.4	31
10	Large-Eddy simulations of circular synthetic jets in quiescent surroundings and in turbulent cross-flow. <i>International Journal of Heat and Fluid Flow</i> , 2009, 30, 421-434.	2.4	21
11	Friction-Drag Reduction by Transverse Wall Motion – A Review. <i>Journal of Mechanics</i> , 2020, 36, 649-663.	1.4	18
12	Large-Eddy Simulations of Synthetic Jets in Stagnant Surroundings and Turbulent Cross-Flow. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , 2008, , 127-134.	0.2	3
13	AT THE CROSSROADS OF TURBULENCE MODELLING AND SIMULATION: OPPORTUNITIES AND CHALLENGES. , 2002, , .		3