

Xingjun Fang

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

228
citations

1039406

9
h-index

1058022

14
g-index

18
all docs

18
docs citations

18
times ranked

84
citing authors

#	ARTICLE	IF	CITATIONS
1	On the unsteady characteristics of turbulent separations over a forward-facing backward-facing step. <i>Journal of Fluid Mechanics</i> , 2019, 863, 994-1030.	1.4	52
2	Highly-disturbed turbulent flow in a square channel with V-shaped ribs on one wall. <i>International Journal of Heat and Fluid Flow</i> , 2015, 56, 182-197.	1.1	29
3	Large-eddy simulation of turbulent flow and structures in a square duct roughened with perpendicular and V-shaped ribs. <i>Physics of Fluids</i> , 2017, 29, .	1.6	28
4	Spatio-temporal dynamics of flow separation induced by a forward-facing step submerged in a thick turbulent boundary layer. <i>Journal of Fluid Mechanics</i> , 2020, 892, .	1.4	26
5	Flows over surface-mounted bluff bodies with different spanwise widths submerged in a deep turbulent boundary layer. <i>Journal of Fluid Mechanics</i> , 2019, 877, 717-758.	1.4	24
6	On the turbulent heat transfer in a square duct subjected to spanwise system rotation. <i>International Journal of Heat and Fluid Flow</i> , 2018, 71, 220-230.	1.1	14
7	Streamwise Aspect Ratio Effects on Turbulent Flow Separations Induced by Forward-facing Backward-Facing Steps. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2021, 143, .	0.8	12
8	Direct numerical simulation of turbulent flow in a spanwise rotating square duct at high rotation numbers. <i>International Journal of Heat and Fluid Flow</i> , 2017, 63, 88-98.	1.1	11
9	The Effects of Upstream Wall Roughness on the Spatio-Temporal Characteristics of Flow Separations Induced by a Forward-Facing Step. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2021, 143, .	0.8	9
10	Tracking the flapping motion of flow separation using pointwise measurement. <i>Physics of Fluids</i> , 2020, 32, 035106.	1.6	8
11	Direct numerical simulation of turbulent flow separation induced by a forward-facing step. <i>International Journal of Heat and Fluid Flow</i> , 2021, 87, 108753.	1.1	6
12	The Wake Dynamics Behind a Near-Wall Square Cylinder. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2022, 144, .	0.8	4
13	Using vortex identifiers to build eddy-viscosity subgrid-scale models for large-eddy simulation. <i>Physical Review Fluids</i> , 2019, 4, .	1.0	3
14	Three-dimensional structural characteristics of flow separation induced by a forward-facing step in a turbulent channel flow. <i>Journal of Fluid Mechanics</i> , 2021, 919, .	1.4	2
15	An Experimental Study of Surface-Mounted Bluff Bodies Immersed in Deep Turbulent Boundary Layers. , 2018, , .		0
16	The Effects of Upstream Wall Roughness on Separated and Reattached Flows Over a Forward-Facing Step. , 2020, , .		0
17	The Effects of Upstream Wall Roughness on the Spatio-Temporal Characteristics of Flow Separations Induced by a Forward-Facing Step. , 2020, , .		0
18	Effects of Streamwise Aspect Ratio on Turbulent Flows Over Forward-Backward Facing Steps. , 2020, , .		0