

Jin Lee

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

712
citations

623734

14
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

567
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of wall heating on turbulent boundary layers with temperature-dependent viscosity. <i>Journal of Fluid Mechanics</i> , 2013, 726, 196-225.	3.4	104
2	Spatial organization of large- and very-large-scale motions in a turbulent channel flow. <i>Journal of Fluid Mechanics</i> , 2014, 749, 818-840.	3.4	90
3	Direct numerical simulation of a 30R long turbulent pipe flow at $Re_{\tau} = 3008$. <i>Physics of Fluids</i> , 2015, 27, .	4.0	82
4	Inner-outer interactions of large-scale structures in turbulent channel flow. <i>Journal of Fluid Mechanics</i> , 2016, 790, 128-157.	3.4	79
5	Signature of large-scale motions on turbulent/non-turbulent interface in boundary layers. <i>Journal of Fluid Mechanics</i> , 2017, 819, 165-187.	3.4	61
6	Effect of Reynolds Number on Turbulent Drag Reduction by Superhydrophobic Surface Textures. <i>Flow, Turbulence and Combustion</i> , 2015, 95, 277-300.	2.6	41
7	Comparison of large- and very-large-scale motions in turbulent pipe and channel flows. <i>Physics of Fluids</i> , 2015, 27, .	4.0	36
8	Turbulent boundary layers over sparsely-spaced rod-roughened walls. <i>International Journal of Heat and Fluid Flow</i> , 2015, 56, 16-27.	2.4	34
9	Dynamics of prolate jellyfish with a jet-based locomotion. <i>Journal of Fluids and Structures</i> , 2015, 57, 331-343.	3.4	33
10	Application of a self-organizing map to identify the turbulent-boundary-layer interface in a transitional flow. <i>Physical Review Fluids</i> , 2019, 4, .	2.5	27
11	Large-scale motions in a turbulent channel flow with the slip boundary condition. <i>International Journal of Heat and Fluid Flow</i> , 2016, 61, 96-107.	2.4	21
12	Influence of large-scale accelerating motions on turbulent pipe and channel flows. <i>Journal of Fluid Mechanics</i> , 2016, 804, 420-441.	3.4	18
13	Turbulent thermal boundary layers with temperature-dependent viscosity. <i>International Journal of Heat and Fluid Flow</i> , 2014, 49, 43-52.	2.4	15
14	Detection algorithm for turbulent interfaces and large-scale structures in intermittent flows. <i>Computers and Fluids</i> , 2018, 175, 142-158.	2.5	14
15	Coherent structures in turbulent boundary layers with adverse pressure gradients. <i>Journal of Turbulence</i> , 2010, 11, N28.	1.4	11
16	Direct numerical simulations of turbulent flow in a conical diffuser. <i>Journal of Turbulence</i> , 2012, 13, N30.	1.4	9
17	Scale growth of structures in the turbulent boundary layer with a rod-roughened wall. <i>Physics of Fluids</i> , 2016, 28, .	4.0	9
18	MPI Parallel Implementation for Pseudo-Spectral Simulations for Turbulent Channel Flow. <i>International Journal of Computational Fluid Dynamics</i> , 2020, 34, 569-582.	1.2	8

#	ARTICLE	IF	CITATIONS
19	Structures of turbulent open-channel flow in the presence of an air-water interface. Journal of Turbulence, 2012, 13, N18.	1.4	7
20	Mean flow scaling in a spanwise rotating channel. Physical Review Fluids, 2020, 5, .	2.5	6
21	Spatial features of the wall-normal structures in a turbulent boundary layer. Journal of Turbulence, 2011, 12, N46.	1.4	5
22	Large-Eddy Simulation of Corner Separation in a Compressor Cascade. , 2018, , .		2