

# Junsun Ahn

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

283  
citations

1163117

8  
h-index

1125743

13  
g-index

15  
all docs

15  
docs citations

15  
times ranked

262  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct numerical simulation of a 30R long turbulent pipe flow at $Re_{\tau} = 3008$ . <i>Physics of Fluids</i> , 2015, 27, .	4.0	82
2	Contribution of velocity-vorticity correlations to the frictional drag in wall-bounded turbulent flows. <i>Physics of Fluids</i> , 2016, 28, .	4.0	48
3	Comparison of large- and very-large-scale motions in turbulent pipe and channel flows. <i>Physics of Fluids</i> , 2015, 27, .	4.0	36
4	Direct numerical simulations of fully developed turbulent pipe flows for $Re_{\tau} = 180, 544$ and 934. <i>International Journal of Heat and Fluid Flow</i> , 2013, 44, 222-228.	2.4	33
5	Influence of a large-eddy breakup device on the frictional drag in a turbulent boundary layer. <i>Physics of Fluids</i> , 2017, 29, .	4.0	22
6	Statistics of the turbulent boundary layers over 3D cube-roughened walls. <i>International Journal of Heat and Fluid Flow</i> , 2013, 44, 394-402.	2.4	14
7	Contribution of large-scale motions to the Reynolds shear stress in turbulent pipe flows. <i>International Journal of Heat and Fluid Flow</i> , 2017, 66, 209-216.	2.4	13
8	Azimuthal organization of large-scale motions in a turbulent minimal pipe flow. <i>Physics of Fluids</i> , 2019, 31, 055113.	4.0	10
9	Mean thermal energy balance analysis in differentially heated vertical channel flows. <i>Physics of Fluids</i> , 2021, 33, .	4.0	8
10	Relationship between streamwise and azimuthal length scales in a turbulent pipe flow. <i>Physics of Fluids</i> , 2017, 29, 105112.	4.0	7
11	Statistical behavior of shear layers of reactive oxygen/kerosene spray. <i>Acta Astronautica</i> , 2019, 163, 157-167.	3.2	5
12	Contribution of Reynolds shear stress to near-wall turbulence in Rayleigh-Bénard convection. <i>International Journal of Heat and Mass Transfer</i> , 2021, 181, 121873.	4.8	3
13	Characterization of vortical structures in T-shaped branches depending on shear-thinning. <i>Physics of Fluids</i> , 2021, 33, 033107.	4.0	2