

# H Jane Bae

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

462  
citations

840119

11  
h-index

1281420

11  
g-index

15  
all docs

15  
docs citations

15  
times ranked

259  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Minimum-dissipation models for large-eddy simulation. <i>Physics of Fluids</i> , 2015, 27, .  | 1.6 | 122       |
| 2  | Dynamic slip wall model for large-eddy simulation. <i>Journal of Fluid Mechanics</i> , 2019, 859, 400-432.  | 1.4 | 80        |
| 3  | Minimum-dissipation scalar transport model for large-eddy simulation of turbulent flows. <i>Physical Review Fluids</i> , 2016, 1, .   | 1.0 | 49        |
| 4  | Scientific multi-agent reinforcement learning for wall-models of turbulent flows. <i>Nature Communications</i> , 2022, 13, 1443.  | 5.8 | 48        |
| 5  | Characteristic scales of Townsend's wall-attached eddies. <i>Journal of Fluid Mechanics</i> , 2019, 868, 698-725.   | 1.4 | 35        |
| 6  | Causality of energy-containing eddies in wall turbulence. <i>Journal of Fluid Mechanics</i> , 2020, 882, .  | 1.4 | 34        |
| 7  | Error scaling of large-eddy simulation in the outer region of wall-bounded turbulence. <i>Journal of Computational Physics</i> , 2019, 392, 532-555.  | 1.9 | 25        |
| 8  | Resolvent-based study of compressibility effects on supersonic turbulent boundary layers. <i>Journal of Fluid Mechanics</i> , 2020, 883, .  | 1.4 | 20        |
| 9  | Effect of Wall Boundary Conditions on a Wall-Modeled Large-Eddy Simulation in a Finite-Difference Framework. <i>Fluids</i> , 2021, 6, 112.  | 0.8 | 18        |
| 10 | Nonlinear mechanism of the self-sustaining process in the buffer and logarithmic layer of wall-bounded flows. <i>Journal of Fluid Mechanics</i> , 2021, 914, .                                      | 1.4 | 13        |
| 11 | Life cycle of streaks in the buffer layer of wall-bounded turbulence. <i>Physical Review Fluids</i> , 2021, 6, .  | 1.0 | 12        |
| 12 | Studying the effect of wall cooling in supersonic boundary layer flow using resolvent analysis. , 2020, , .   |     | 5         |
| 13 | Characterization of vortex regeneration mechanism in the self-sustaining process of wall-bounded flows using resolvent analysis. <i>Journal of Physics: Conference Series</i> , 2020, 1522, 012001. | 0.3 | 0         |
| 14 | Poster: Mandala-inspired representation of the turbulent energy cascade. , 0, , .   |     | 0         |