

Donghun Park

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

192
citations

1162889

8
h-index

1058333

14
g-index

21
all docs

21
docs citations

21
times ranked

106
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Linear and non-linear stability analysis of incompressible boundary layer over a two-dimensional hump. Computers and Fluids, 2013, 73, 80-96. | 1.3 | 31 |
| 2 | Assessment of the wall-adapting local eddy-viscosity model in transitional boundary layer. Computer Methods in Applied Mechanics and Engineering, 2020, 371, 113287. | 3.4 | 24 |
| 3 | Study of effect of a smooth hump on hypersonic boundary layer instability. Theoretical and Computational Fluid Dynamics, 2016, 30, 543-563. | 0.9 | 19 |
| 4 | Design and Performance Evaluation of Propeller for Solar-Powered High-Altitude Long-Endurance Unmanned Aerial Vehicle. International Journal of Aerospace Engineering, 2018, 2018, 1-23. | 0.5 | 19 |
| 5 | Large-eddy simulation with parabolized stability equations for turbulent transition using OpenFOAM. Computers and Fluids, 2019, 189, 108-117. | 1.3 | 18 |
| 6 | Influence of two-dimensional smooth humps on linear and non-linear instability of a supersonic boundary layer. Computers and Fluids, 2013, 79, 140-149. | 1.3 | 14 |
| 7 | Cost-effective and high-fidelity method for turbulent transition in compressible boundary layer. Aerospace Science and Technology, 2021, 108, 106367. | 2.5 | 12 |
| 8 | Aerodynamic analysis and static stability analysis of Manned/unmanned distributed propulsion aircrafts using actuator methods. Journal of Wind Engineering and Industrial Aerodynamics, 2021, 214, 104648. | 1.7 | 10 |
| 9 | PIV Measurement of Separation Bubble on an Airfoil at Low Reynolds Numbers. Journal of Aerospace Engineering, 2020, 33, . | 0.8 | 9 |
| 10 | Aerodynamic Characteristics of Helicopter with Ducted Fan Tail Rotor in Hover under Low-Speed Crosswind. International Journal of Aerospace Engineering, 2020, 2020, 1-14. | 0.5 | 7 |
| 11 | Effect of Shape of Two-Dimensional Smooth Hump on Boundary Layer Instability. International Journal of Aeronautical and Space Sciences, 2020, 21, 906-923. | 1.0 | 6 |
| 12 | Influence of initial phase on subharmonic resonance in an incompressible boundary layer. Physics of Fluids, 2021, 33, 044101. | 1.6 | 5 |
| 13 | Effects of phase difference between instability modes on boundary-layer transition. Journal of Fluid Mechanics, 2021, 927, . | 1.4 | 5 |
| 14 | Simulation of hypersonic boundary layer on porous surfaces using OpenFOAM. Computers and Fluids, 2022, 240, 105437. | 1.3 | 5 |
| 15 | Performance Evaluation of Propeller for High Altitude by using Experiment and Computational Analysis. Journal of the Korean Society for Aeronautical & Space Sciences, 2015, 43, 1035-1047. | 0.0 | 4 |
| 16 | Streamwise streaks and secondary instability in a two-dimensional bent channel. Theoretical and Computational Fluid Dynamics, 2014, 28, 267-293. | 0.9 | 2 |
| 17 | A Study on Improvement $\hat{t}^3-Re_{\hat{t}}$ Model for Hypersonic Boundary Layer Analysis. Journal of the Korean Society for Aeronautical & Space Sciences, 2020, 48, 323-334. | 0.0 | 1 |
| 18 | PSE-Coupled LES Method for Turbulent Transition in Compressible Boundary Layer. , 2022, , . | | 1 |

