

Donghun Park

List of Publications by Year in descending order

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21
papers

192
citations

1162889

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1058333

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all docs

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docs citations

21
times ranked

106
citing authors

#	ARTICLE	IF	CITATIONS
1	PSE-Coupled LES Method for Turbulent Transition in Compressible Boundary Layer. , 2022, , .		1
2	Effects of phase differences between instability modes on turbulent transition in boundary layer. , 2022, , .		0
3	Simulation of hypersonic boundary layer on porous surfaces using OpenFOAM. Computers and Fluids, 2022, 240, 105437.	1.3	5
4	Cost-effective and high-fidelity method for turbulent transition in compressible boundary layer. Aerospace Science and Technology, 2021, 108, 106367.	2.5	12
5	Influence of initial phase on subharmonic resonance in an incompressible boundary layer. Physics of Fluids, 2021, 33, 044101.	1.6	5
6	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
7	Comparative Assessment of Modified λ^3 - λ^2 Model for Hypersonic Boundary Layer Analysis. International Journal of Aerospace Engineering, 2021, 2021, 1-24.	0.5	0
8	Effects of phase difference between instability modes on boundary-layer transition. Journal of Fluid Mechanics, 2021, 927, .	1.4	5
9	PIV Measurement of Separation Bubble on an Airfoil at Low Reynolds Numbers. Journal of Aerospace Engineering, 2020, 33, .	0.8	9
10	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
11	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
12	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
13	A Study on Improvement λ^3 - λ^2 Model for Hypersonic Boundary Layer Analysis. Journal of the Korean Society for Aeronautical & Space Sciences, 2020, 48, 323-334.	0.0	1
14	Large-eddy simulation with parabolized stability equations for turbulent transition using OpenFOAM. Computers and Fluids, 2019, 189, 108-117.	1.3	18
15	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
16	Study of effect of a smooth hump on hypersonic boundary layer instability. Theoretical and Computational Fluid Dynamics, 2016, 30, 543-563.	0.9	19
17	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
18	Streamwise streaks and secondary instability in a two-dimensional bent channel. Theoretical and Computational Fluid Dynamics, 2014, 28, 267-293.	0.9	2

#	ARTICLE	IF	CITATIONS
19	Study of tonal noise behavior of an airfoil by using parabolized stability equations. Theoretical and Computational Fluid Dynamics, 2013, 27, 71-88.	0.9	0
20	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
21	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