

Hiroki Suzuki

List of Publications by Year in descending order

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17
papers

280
citations

1163117

8
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

103
citing authors

#	ARTICLE	IF	CITATIONS
1	Turbulence structure and turbulence kinetic energy transport in multiscale/fractal-generated turbulence. <i>Physics of Fluids</i> , 2013, 25, .	4.0	86
2	Relevance of turbulence behind the single square grid to turbulence generated by regular- and multiscale-grids. <i>Physics of Fluids</i> , 2014, 26, .	4.0	49
3	Direct numerical simulation of turbulent mixing in grid-generated turbulence. <i>Physica Scripta</i> , 2008, T132, 014054.	2.5	41
4	Numerical-based theoretical analysis on effects of weak fluid acceleration of free-stream due to wind-tunnel blockage on grid-generated turbulence. <i>Flow Measurement and Instrumentation</i> , 2018, 62, 1-8.	2.0	26
5	Validation scheme for small effect of wind tunnel blockage on decaying grid-generated turbulence. <i>Journal of Fluid Science and Technology</i> , 2016, 11, JFST0012-JFST0012.	0.6	19
6	Analysis of Flow Characteristics of Turbulent Plane Jets Based on Velocity and Scalar Fields Using DNS. <i>Journal of Fluid Science and Technology</i> , 2013, 8, 247-261.	0.6	17
7	VISUALIZATION OF TURBULENT REACTIVE JET BY USING DIRECT NUMERICAL SIMULATION. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2013, 04, 1341001.	1.4	13
8	Quantitative visualization of high-Schmidt-number turbulent mixing in grid turbulence by means of PLIF. <i>Journal of Visualization</i> , 2012, 15, 109-117.	1.8	12
9	Quasi-analytical solutions of a turbulence-modeling equation on the robustness of decaying homogeneous turbulence. <i>Advances in Mechanical Engineering</i> , 2020, 12, 168781402090782.	1.6	4
10	Research of electric power regeneration using automotive cooling fan (Improvement of wind turbine) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	0.2	3
11	Improved PIV Analysis Using an Interpolation Technique (Analysis on Improvement Effects of the) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 11</i> of the Japan Society of Mechanical Engineers Series B B-hen, 2012, 78, 1248-1259.	0.2	2
12	Numerical-based theoretical analysis on the decay of homogeneous turbulence affected by small strain based on constant and linear strain variations. <i>Journal of Physics: Conference Series</i> , 2018, 1053, 012039.	0.4	2
13	Time-series observation of the effects of kinetic energy conservation error on isotropic and anisotropic steady incompressible turbulence. <i>Journal of Physics: Conference Series</i> , 2021, 1978, 012026.	0.4	2
14	Visualization of intermittency of low-Reynolds-number anisotropic steady incompressible turbulence using implicit/SGS-model-based large-eddy simulation. <i>Journal of Physics: Conference Series</i> , 2021, 1983, 012041.	0.4	2
15	DNS study on the development of boundary layer with heat transfer under the effects of external and internal disturbances. <i>Journal of Fluid Science and Technology</i> , 2014, 9, JFST0005-JFST0005.	0.6	1
16	Impact of difference between explicit and implicit second-order time integration schemes on isotropic/anisotropic steady incompressible turbulence field. <i>Journal of Physics: Conference Series</i> , 2021, 2090, 012145.	0.4	1
17	Scalar structures around the mixing interface of a thermal mixing layer in multiscale-generated decaying turbulent flows visualized using DNS database. <i>Journal of Physics: Conference Series</i> , 2021, 1978, 012012.	0.4	0