

Takuya Kawata

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

167
citations

1307594

7
h-index

1125743

13
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16
all docs

16
docs citations

16
times ranked

120
citing authors

#	ARTICLE	IF	CITATIONS
1	Inverse Interscale Transport of the Reynolds Shear Stress in Plane Couette Turbulence. <i>Physical Review Letters</i> , 2018, 120, 244501.	7.8	46
2	Turbulent rotating plane Couette flow: Reynolds and rotation number dependency of flow structure and momentum transport. <i>Physical Review Fluids</i> , 2016, 1, .	2.5	22
3	Experiments in rotating plane Couette flow – momentum transport by coherent roll-cell structure and zero-absolute-vorticity state. <i>Journal of Fluid Mechanics</i> , 2016, 791, 191-213.	3.4	20
4	DNS of Taylor’s Couette flow between counter-rotating cylinders at small radius ratio. <i>International Journal of Advances in Engineering Sciences and Applied Mathematics</i> , 2018, 10, 159-170.	1.1	17
5	Scale interactions in turbulent rotating planar Couette flow: insight through the Reynolds stress transport. <i>Journal of Fluid Mechanics</i> , 2019, 879, 255-295.	3.4	16
6	Scale interactions in turbulent plane Couette flows in minimal domains. <i>Journal of Fluid Mechanics</i> , 2021, 911, .	3.4	13
7	Simultaneous Measurement of Velocity and Pressure in a Wing-Tip Vortex. <i>Journal of Fluid Science and Technology</i> , 2009, 4, 107-115.	0.6	7
8	Simultaneous measurement of fluctuating velocity and pressure in the near wake of a circular cylinder. <i>Experiments in Fluids</i> , 2014, 55, 1.	2.4	7
9	Velocity-pressure correlation measurement based on planar PIV and miniature static pressure probes. <i>Experiments in Fluids</i> , 2014, 55, 1.	2.4	7
10	Simultaneous Measurement of Velocity and Fluctuating Pressure in a Turbulent Wing-tip Vortex Using Triple Hot-film Sensor and Miniature Total Pressure Probe. <i>Flow, Turbulence and Combustion</i> , 2011, 86, 419-437.	2.6	4
11	Viscoelastic effect on steady wavy roll cells in wall-bounded shear flow. <i>Fluid Dynamics Research</i> , 2018, 50, 051414.	1.3	3
12	An attempt to measure fluctuating local pressure in free turbulent flow in water. <i>Journal of Fluid Science and Technology</i> , 2014, 9, JFST0014-JFST0014.	0.6	2
13	Flow Field Measurement of Laboratory-Scaled Cross-Flow Hydrokinetic Turbines: Part I – The Near-Wake of a Single Turbine. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 489.	2.6	2
14	Viscoelasticity-induced pulsatile motion of 2D roll cell in laminar wall-bounded shear flow. <i>International Journal of Heat and Fluid Flow</i> , 2018, 74, 65-75.	2.4	1
15	Flow Field Measurement of Laboratory-Scaled Cross-Flow Hydrokinetic Turbines: Part II – The Near-Wake of Twin Turbines in Counter-Rotating Configurations. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 777.	2.6	0
16	Flow Structures and Momentum Transport in Turbulent Rotating Plane Couette Flow. <i>Springer Proceedings in Physics</i> , 2017, , 51-57.	0.2	0