Takuya Kawata

List of Publications by Year
in descending order

16	167	1307594 7	1125743 13
papers	citations	h-index	g-index

16	16	16	120
all docs	docs citations	times ranked	citing authors

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