

# Matt K Fu

## List of Publications by Year in descending order

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16  
papers

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1163117

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16  
docs citations

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464  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Soft Material Flow Sensor for Micro Air Vehicles. <i>Soft Robotics</i> , 2021, 8, 119-127.	8.0	7
2	Investigation of the atmospheric surface layer using a novel high-resolution sensor array. <i>Experiments in Fluids</i> , 2021, 62, 1.	2.4	11
3	Examining the inertial subrange with nanoscale cross-wire measurements of turbulent pipe flow at high Reynolds number near the centreline. <i>Journal of Fluid Mechanics</i> , 2021, 919, .	3.4	2
4	A single-camera, 3D scanning velocimetry system for quantifying active particle aggregations. <i>Experiments in Fluids</i> , 2021, 62, 1.	2.4	3
5	An energy-efficient pathway to turbulent drag reduction. <i>Nature Communications</i> , 2021, 12, 5805.	12.8	59
6	Turbulent nonpremixed cool flames: Experimental measurements, Direct Numerical Simulation, and manifold-based combustion modeling. <i>Combustion and Flame</i> , 2019, 209, 144-154.	5.2	9
7	Development of a nanoscale hot-wire probe for supersonic flow applications. <i>Experiments in Fluids</i> , 2019, 60, 1.	2.4	7
8	Design and validation of a nanoscale cross-wire probe (X-NSTAP). <i>Experiments in Fluids</i> , 2019, 60, 1.	2.4	6
9	Experimental investigations of liquid-infused surface robustness under turbulent flow. <i>Experiments in Fluids</i> , 2019, 60, 1.	2.4	9
10	Comparison between super-hydrophobic, liquid infused and rough surfaces: a direct numerical simulation study. <i>Journal of Fluid Mechanics</i> , 2019, 869, 500-525.	3.4	40
11	Development of instrumentation for measurements of two components of velocity with a single sensing element. <i>Measurement Science and Technology</i> , 2018, 29, 025304.	2.6	3
12	Fully resolved measurements of turbulent boundary layer flows up to. <i>Journal of Fluid Mechanics</i> , 2018, 851, 391-415.	3.4	84
13	Elastic filament velocimetry (EFV). <i>Measurement Science and Technology</i> , 2017, 28, 025301.	2.6	5
14	Liquid-infused surfaces as a passive method of turbulent drag reduction. <i>Journal of Fluid Mechanics</i> , 2017, 824, 688-700.	3.4	68
15	Effect of Reynolds number and saturation level on gas diffusion in and out of a superhydrophobic surface. <i>Physical Review Fluids</i> , 2017, 2, .	2.5	36
16	Turbulent drag reduction over air- and liquid- impregnated surfaces. <i>Physics of Fluids</i> , 2016, 28, .	4.0	125