

Matt K Fu

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

474
citations

1163117

8
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

464
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Turbulent drag reduction over air- and liquid- impregnated surfaces. <i>Physics of Fluids</i> , 2016, 28, . | 4.0 | 125 |
| 2 | Fully resolved measurements of turbulent boundary layer flows up to. <i>Journal of Fluid Mechanics</i> , 2018, 851, 391-415. | 3.4 | 84 |
| 3 | Liquid-infused surfaces as a passive method of turbulent drag reduction. <i>Journal of Fluid Mechanics</i> , 2017, 824, 688-700. | 3.4 | 68 |
| 4 | An energy-efficient pathway to turbulent drag reduction. <i>Nature Communications</i> , 2021, 12, 5805. | 12.8 | 59 |
| 5 | 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 |
| 6 | 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 |
| 7 | Investigation of the atmospheric surface layer using a novel high-resolution sensor array. <i>Experiments in Fluids</i> , 2021, 62, 1. | 2.4 | 11 |
| 8 | 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 |
| 9 | Experimental investigations of liquid-infused surface robustness under turbulent flow. <i>Experiments in Fluids</i> , 2019, 60, 1. | 2.4 | 9 |
| 10 | Development of a nanoscale hot-wire probe for supersonic flow applications. <i>Experiments in Fluids</i> , 2019, 60, 1. | 2.4 | 7 |
| 11 | A Soft Material Flow Sensor for Micro Air Vehicles. <i>Soft Robotics</i> , 2021, 8, 119-127. | 8.0 | 7 |
| 12 | Design and validation of a nanoscale cross-wire probe (X-NSTAP). <i>Experiments in Fluids</i> , 2019, 60, 1. | 2.4 | 6 |
| 13 | Elastic filament velocimetry (EFV). <i>Measurement Science and Technology</i> , 2017, 28, 025301. | 2.6 | 5 |
| 14 | 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 |
| 15 | A single-camera, 3D scanning velocimetry system for quantifying active particle aggregations. <i>Experiments in Fluids</i> , 2021, 62, 1. | 2.4 | 3 |
| 16 | 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 |