

# Jian Gao

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

518  
citations

759233

12  
h-index

996975

15  
g-index

21  
all docs

21  
docs citations

21  
times ranked

338  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental investigation of the three-dimensional flow structure around a pair of cubes immersed in the inner part of a turbulent channel flow. <i>Journal of Fluid Mechanics</i> , 2021, 918, .	3.4	7
2	Spray formation and atomization characteristics of non-Newtonian impinging jets at high Carreau numbers. <i>International Journal of Multiphase Flow</i> , 2018, 106, 280-295.	3.4	8
3	Self-calibrated microscopic dual-view tomographic holography for 3D flow measurements. <i>Optics Express</i> , 2018, 26, 16708.	3.4	19
4	Characterization of drop aerodynamic fragmentation in the bag and sheet-thinning regimes by crossed-beam, two-view, digital in-line holography. <i>International Journal of Multiphase Flow</i> , 2017, 94, 107-122.	3.4	45
5	Distortion of the Actin A-Triad Results in Contractile Disinhibition and Cardiomyopathy. <i>Cell Reports</i> , 2017, 20, 2612-2625.	6.4	26
6	An Experimental Investigation of the Primary Atomization of Viscoelastic Impinging Jets. , 2015, , .		0
7	An experimental and theoretical investigation of spray characteristics of impinging jets in impact wave regime. <i>Experiments in Fluids</i> , 2015, 56, 1.	2.4	21
8	Experimental methods to quantify particle positional and displacement uncertainty along the depth direction in digital in-line holography. , 2014, , .		0
9	Refinement of particle detection by the hybrid method in digital in-line holography. <i>Applied Optics</i> , 2014, 53, C130.	1.8	41
10	Digital in-line holography to quantify secondary droplets from the impact of a single drop on a thin film. <i>Experiments in Fluids</i> , 2014, 55, 1.	2.4	37
11	Droplet breakup of micro- and nano-dispersed carbon-in-water colloidal suspensions under intense radiation. <i>International Journal of Heat and Mass Transfer</i> , 2014, 78, 267-276.	4.8	13
12	Measurement of Aerodynamic Breakup of Non-Newtonian Drops by Digital In-Line Holography. , 2014, , .		0
13	Uncertainty characterization of particle depth measurement using digital in-line holography and the hybrid method. <i>Optics Express</i> , 2013, 21, 26432.	3.4	85
14	Quantitative, three-dimensional diagnostics of multiphase drop fragmentation via digital in-line holography. <i>Optics Letters</i> , 2013, 38, 1893.	3.3	72
15	Digital holography simulations and experiments to quantify the accuracy of 3D particle location and 2D sizing using a proposed hybrid method. <i>Applied Optics</i> , 2013, 52, 3790.	1.8	92
16	Uncertainty Quantification of the Hybrid Method for Particle Field Measurement Using Digital In-Line Holography. , 2013, , .		0
17	Experimental methods to quantify the accuracy of 3D particle field measurements via digital holography. , 2013, , .		2
18	In vivo imaging and quantitative analysis of zebrafish embryos by digital holographic microscopy. <i>Biomedical Optics Express</i> , 2012, 3, 2623.	2.9	20

#	ARTICLE	IF	CITATIONS
19	Digital holography reconstruction algorithms to estimate the morphology and depth of nonspherical absorbing particles. Proceedings of SPIE, 2012, , .	0.8	9
20	Novel Model to Investigate Blast Injury in the Central Nervous System. Journal of Neurotrauma, 2011, 28, 1229-1236.	3.4	21
21	Blast-Induced Neurotrauma: Characterizing the Blast Wave Impact and Tissue Deformation. , 2010, , .		0