

# Jun Sakakibara

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37  
papers

1,350  
citations

17  
h-index

36  
g-index

43  
ext. papers

1,506  
ext. citations

3.9  
avg, IF

4.32  
L-index

#	Paper	IF	Citations
37	Whole field measurement of temperature in water using two-color laser induced fluorescence. <i>Experiments in Fluids</i> , <b>1999</b> , 26, 7-15	2.5	244
36	Evolution of the fingering pattern of an impacting drop. <i>Physics of Fluids</i> , <b>1998</b> , 10, 1359-1374	4.4	160
35	High-speed scanning stereoscopic PIV for 3D vorticity measurement in liquids. <i>Measurement Science and Technology</i> , <b>2004</b> , 15, 1067-1078	2	114
34	Measurements of thermally stratified pipe flow using image-processing techniques. <i>Experiments in Fluids</i> , <b>1993</b> , 16, 82-96	2.5	111
33	Main results of the 4th International PIV Challenge. <i>Experiments in Fluids</i> , <b>2016</b> , 57, 1	2.5	96
32	Vortex structure and heat transfer in the stagnation region of an impinging plane jet (simultaneous measurements of velocity and temperature fields by digital particle image velocimetry and laser-induced fluorescence). <i>International Journal of Heat and Mass Transfer</i> , <b>1997</b> , 40, 3163-3176	4.9	94
31	Measurement of temperature field of a Rayleigh-Bénard convection using two-color laser-induced fluorescence. <i>Experiments in Fluids</i> , <b>2004</b> , 37, 331-340	2.5	68
30	Stereo-PIV study of flow around a maneuvering fish. <i>Experiments in Fluids</i> , <b>2004</b> , 36, 282-293	2.5	60
29	Combined planar laser-induced fluorescence-particle image velocimetry technique for velocity and temperature fields. <i>Experiments in Fluids</i> , <b>2000</b> , 29, S129-S140	2.5	59
28	Unsteady flow field around a human hand and propulsive force in swimming. <i>Journal of Biomechanics</i> , <b>2009</b> , 42, 42-7	2.9	57
27	On the vortical structure in a round jet. <i>Physics of Fluids</i> , <b>2005</b> , 17, 025106	4.4	44
26	Measurements of the particle-fluid velocity correlation and the extra dissipation in a round jet. <i>International Journal of Multiphase Flow</i> , <b>1996</b> , 22, 863-881	3.6	37
25	On the vortical structure in a plane impinging jet. <i>Journal of Fluid Mechanics</i> , <b>2001</b> , 434, 273-300	3.7	35
24	Effect of shear stress on attachment of corneal endothelial cells in association with corneal endothelial cell loss after laser iridotomy. <i>Cornea</i> , <b>2005</b> , 24, S55-S58	3.1	28
23	Measurement of turbulent flow upstream and downstream of a circular pipe bend. <i>Physics of Fluids</i> , <b>2012</b> , 24, 041702	4.4	27
22	Decomposition of the modulated waves in a rotating couette system. <i>Science</i> , <b>1994</b> , 263, 502-5	33.3	26
21	Combined micro and macro additive manufacturing of a swirling flow coaxial phacoemulsifier sleeve with internal micro-vanes. <i>Biomedical Microdevices</i> , <b>2010</b> , 12, 875-86	3.7	18

20	Experimental observation of the quasiperiodic modes in a rotating Couette system. <i>Physical Review E</i> , <b>1993</b> , 47, 4130-4134	2.4	17
19	A quasi three-dimensional visualization of unsteady wake flow in human undulatory swimming. <i>Journal of Biomechanics</i> , <b>2019</b> , 93, 60-69	2.9	13
18	Note: High-speed optical tracking of a flying insect. <i>Review of Scientific Instruments</i> , <b>2012</b> , 83, 036103	1.7	7
17	SIDI Fuel Spray Structure Investigation Using Flow Visualization and Digital Particle Image Velocimetry <b>1999</b> ,		7
16	Visualization of irrigation fluid flow and calculation of its velocity distribution in the anterior chamber by particle image velocimetry. <i>Graefes Archive for Clinical and Experimental Ophthalmology</i> , <b>2012</b> , 250, 1023-7	3.8	6
15	Measurement of energy spectral density of a flow in a rotating Couette system. <i>Physical Review Letters</i> , <b>1993</b> , 70, 3569-3571	7.4	6
14	Gas entrainment allowance level at free surface and gas dynamic behavior of sodium-cooled fast reactor. <i>Nuclear Engineering and Design</i> , <b>2011</b> , 241, 1627-1635	1.8	4
13	Chain-link-fence structures produced in a plane jet. <i>Physics of Fluids</i> , <b>2001</b> , 13, 1541-1544	4.4	4
12	Development of multiple-eye PIV using mirror array. <i>Measurement Science and Technology</i> , <b>2018</b> , 29, 064011	2	2
11	Plane jet excited by disturbances with spanwise phase variations. <i>Experiments in Fluids</i> , <b>2013</b> , 54, 1	2.5	2
10	Turbulence Structure of Liquid-Solid Two-Phase Channel Flow. 1st Report. Measurements of Two-Phase Flow by DPIV.. 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, <b>1996</b> , 62, 18-25		2
9	Automatic optical tracking of a flying bird. <i>Transactions of Visualization Soc of Japan</i> , <b>2016</b> , 36, 1-7	0.1	
8	Stereo-PIV study of flow inside an eye under cataract surgery. <i>Experiments in Fluids</i> , <b>2012</b> , 52, 831-842	2.5	
7	C205 Heat Transfer of a Plane Impinging Jet Excited by Spanwise Periodic Disturbances. <i>Proceedings of Thermal Engineering Conference</i> , <b>2001</b> , 2001, 435-436		
6	Measurement of Three-Dimensional Velocity Distribution of Fluid. <i>Journal of the Society of Mechanical Engineers</i> , <b>2008</b> , 111, 116-119	0	
5	Dual-plane stereo-PIV study on tornado-like vortex in water. <i>Transactions of Visualization Soc of Japan</i> , <b>2010</b> , 30, 47-54	0.1	
4	W101 Fundamentals and applications of PIV. <i>The Proceedings of the Fluids Engineering Conference</i> , <b>2010</b> , 2010, 597-600	0	
3	J022012 Endothelial cell damage due to the impingement of fragments of crystalline lens under cataract surgery. <i>The Proceedings of Mechanical Engineering Congress Japan</i> , <b>2012</b> , 2012, _J022012-1-_J022012-5		

- 2 S0510101 Flow inside an eye under vitreous surgery. *The Proceedings of Mechanical Engineering Congress Japan, 2014*, 2014, \_S0510101--\_S0510101- ○
- 1 S0510306 On the jet flow of air between two parallel flat walls bounded by liquid free surface. *The Proceedings of Mechanical Engineering Congress Japan, 2014*, 2014, \_S0510306--\_S0510306- ○