

Jun Sakakibara

List of Publications by Year in Descending Order

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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	A quasi three-dimensional visualization of unsteady wake flow in human undulatory swimming. <i>Journal of Biomechanics</i> , 2019 , 93, 60-69	2.9	13
36	Development of multiple-eye PIV using mirror array. <i>Measurement Science and Technology</i> , 2018 , 29, 064011	2	2
35	Automatic optical tracking of a flying bird. <i>Transactions of Visualization Soc of Japan</i> , 2016 , 36, 1-7	0.1	
34	Main results of the 4th International PIV Challenge. <i>Experiments in Fluids</i> , 2016 , 57, 1	2.5	96
33	S0510101 Flow inside an eye under vitreous surgery. <i>The Proceedings of Mechanical Engineering Congress Japan</i> , 2014 , 2014, _S0510101--_S0510101-	0	
32	S0510306 On the jet flow of air between two parallel flat walls bounded by liquid free surface. <i>The Proceedings of Mechanical Engineering Congress Japan</i> , 2014 , 2014, _S0510306--_S0510306-	0	
31	Plane jet excited by disturbances with spanwise phase variations. <i>Experiments in Fluids</i> , 2013 , 54, 1	2.5	2
30	Stereo-PIV study of flow inside an eye under cataract surgery. <i>Experiments in Fluids</i> , 2012 , 52, 831-842	2.5	
29	Visualization of irrigation fluid flow and calculation of its velocity distribution in the anterior chamber by particle image velocimetry. <i>Graefers Archive for Clinical and Experimental Ophthalmology</i> , 2012 , 250, 1023-7	3.8	6
28	Measurement of turbulent flow upstream and downstream of a circular pipe bend. <i>Physics of Fluids</i> , 2012 , 24, 041702	4.4	27
27	Note: High-speed optical tracking of a flying insect. <i>Review of Scientific Instruments</i> , 2012 , 83, 036103	1.7	7
26	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> , 2012 , 2012, _J022012-1-_J022012-5	0	
25	Gas entrainment allowance level at free surface and gas dynamic behavior of sodium-cooled fast reactor. <i>Nuclear Engineering and Design</i> , 2011 , 241, 1627-1635	1.8	4
24	Combined micro and macro additive manufacturing of a swirling flow coaxial phacoemulsifier sleeve with internal micro-vanes. <i>Biomedical Microdevices</i> , 2010 , 12, 875-86	3.7	18
23	Dual-plane stereo-PIV study on tornado-like vortex in water. <i>Transactions of Visualization Soc of Japan</i> , 2010 , 30, 47-54	0.1	
22	W101 Fundamentals and applications of PIV. <i>The Proceedings of the Fluids Engineering Conference</i> , 2010 , 2010, 597-600	0	
21	Unsteady flow field around a human hand and propulsive force in swimming. <i>Journal of Biomechanics</i> , 2009 , 42, 42-7	2.9	57

20	Measurement of Three-Dimensional Velocity Distribution of Fluid. <i>Journal of the Society of Mechanical Engineers</i> , 2008 , 111, 116-119	0	
19	On the vortical structure in a round jet. <i>Physics of Fluids</i> , 2005 , 17, 025106	4.4	44
18	Effect of shear stress on attachment of corneal endothelial cells in association with corneal endothelial cell loss after laser iridotomy. <i>Cornea</i> , 2005 , 24, S55-S58	3.1	28
17	Stereo-PIV study of flow around a maneuvering fish. <i>Experiments in Fluids</i> , 2004 , 36, 282-293	2.5	60
16	Measurement of temperature field of a Rayleigh-B�ard convection using two-color laser-induced fluorescence. <i>Experiments in Fluids</i> , 2004 , 37, 331-340	2.5	68
15	High-speed scanning stereoscopic PIV for 3D vorticity measurement in liquids. <i>Measurement Science and Technology</i> , 2004 , 15, 1067-1078	2	114
14	Chain-link-fence structures produced in a plane jet. <i>Physics of Fluids</i> , 2001 , 13, 1541-1544	4.4	4
13	On the vortical structure in a plane impinging jet. <i>Journal of Fluid Mechanics</i> , 2001 , 434, 273-300	3.7	35
12	C205 Heat Transfer of a Plane Impinging Jet Excited by Spanwise Periodic Disturbances. <i>Proceedings of Thermal Engineering Conference</i> , 2001 , 2001, 435-436		
11	Combined planar laser-induced fluorescence-particle image velocimetry technique for velocity and temperature fields. <i>Experiments in Fluids</i> , 2000 , 29, S129-S140	2.5	59
10	SIDI Fuel Spray Structure Investigation Using Flow Visualization and Digital Particle Image Velocimetry 1999 ,		7
9	Whole field measurement of temperature in water using two-color laser induced fluorescence. <i>Experiments in Fluids</i> , 1999 , 26, 7-15	2.5	244
8	Evolution of the fingering pattern of an impacting drop. <i>Physics of Fluids</i> , 1998 , 10, 1359-1374	4.4	160
7	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> , 1997 , 40, 3163-3176	4.9	94
6	Turbulence Structure of Liquid-Solid Two-Phase Channel Flow. 1st Report. Measurements of Two-Phase Flow by DPIV.. <i>880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen</i> , 1996 , 62, 18-25		2
5	Measurements of the particle-fluid velocity correlation and the extra dissipation in a round jet. <i>International Journal of Multiphase Flow</i> , 1996 , 22, 863-881	3.6	37
4	Decomposition of the modulated waves in a rotating couette system. <i>Science</i> , 1994 , 263, 502-5	33.3	26
3	Experimental observation of the quasiperiodic modes in a rotating Couette system. <i>Physical Review E</i> , 1993 , 47, 4130-4134	2.4	17

2	Measurement of energy spectral density of a flow in a rotating Couette system. <i>Physical Review Letters</i> , 1993 , 70, 3569-3571	7.4	6
1	Measurements of thermally stratified pipe flow using image-processing techniques. <i>Experiments in Fluids</i> , 1993 , 16, 82-96	2.5	111