Yohei Sato

List of Publications by Year
in descending order

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25	223	1163117	996975
papers	citations	8 h-index	15 g-index

25	25	25	245
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Waterâ€vapor permeability control of PDMS by the dispersion of collagen powder. IEEJ Transactions on Electrical and Electronic Engineering, 2009, 4, 442-449.	1.4	34
2	Effect of Ion Motion on Zeta-Potential Distribution at Microchannel Wall Obtained from Nanoscale Laser-Induced Fluorescence. Analytical Chemistry, 2007, 79, 6727-6733.	6.5	28
3	Optically sliced measurement of velocity and pH distribution in microchannel. Experiments in Fluids, 2007, 43, 425-435.	2.4	28
4	Design of powder nozzle for high resource efficiency in directed energy deposition based on computational fluid dynamics simulation. International Journal of Advanced Manufacturing Technology, 2019, 105, 4107-4121.	3.0	28
5	Origin of the blueshift of water molecules at interfaces of hydrophilic cyclic compounds. Science Advances, 2017, 3, e1701400.	10.3	22
6	Effect of bubbles on turbulent kinetic energy transport in downward flow measured by time-resolved PTV. Experiments in Fluids, 2011, 50, 813-823.	2.4	14
7	Effects of Micromachining Processes on Electro-Osmotic Flow Mobility of Glass Surfaces. Micromachines, 2013, 4, 67-79.	2.9	14
8	Fluorescence imaging technique of surface electrostatic potential using evanescent wave illumination. Applied Physics Letters, 2009, 95, .	3.3	12
9	Evaluation of Electroosmotic Velocity and Zeta-Potential in Microchannel Using Submicron Fluorescent Particles. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2005, 71, 2316-2323.	0.2	6
10	Near-Wall Motion of Caged Fluorescent Dye in Microchannel Flows Obtained from Evanescent Wave Molecular Tagging. Journal of Fluid Science and Technology, 2010, 5, 192-206.	0.6	5
11	Non-Intrusive Velocity Measurement of Millichannel Flow by Spontaneous Raman Imaging. Journal of Thermal Science and Technology, 2012, 7, 406-413.	1.1	5
12	Separation Technique of Sub-Micron Particles Using Electrokinetically Driven Flow. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2004, 70, 2378-2385.	0.2	4
13	Measurement of Zeta-Potential at Microchannel Wall by a Nanoscale Laser Induced Fluorescence Imaging. Journal of Fluid Science and Technology, 2007, 2, 429-440.	0.6	4
14	Turbulence Structure of Bubbly Upward Pipe Flow : High Spatial and Temporal Resolution Measurements Using High Speed Time Series PTV(Fluids Engineering). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2009, 75, 1446-1453.	0.2	4
15	Continuous Separation Technique of Suspended Particles by Utilizing Acoustic Radiation and Electrostatic Force. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2006, 72, 2473-2480.	0.2	3
16	Non-intrusive measurement of microscale temperature distribution by spontaneous Raman imaging. Microfluidics and Nanofluidics, 2013, 14, 1031-1037.	2.2	3
17	Measurement of Zeta-Potential at Microchannel Wall by a Nanoscale Laser Induced Fluorescence Imaging. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2006, 72, 2457-2464.	0.2	2
18	Phase Separation Technique for Suspended Particles in Microchannel Utilizing Bilayered Acoustic Fields. Journal of Fluid Science and Technology, 2009, 4, 1-12.	0.6	2

#	Article	IF	Citations
19	Combined Laser-Based Measurements for Micro- and Nanoscale Transport Phenomena. Heat Transfer Engineering, 2014, 35, 125-141.	1.9	2
20	Time-Series Velocity Measurements of Electroosmotic Flows with Nonuniform Zeta-Potential Using Evanescent Wave and Volume Illumination(Fluids Engineering). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2010, 76, 1455-1463.	0.2	1
21	An investigation of measurement condition for non-intrusive velocity determination based on thermal tracing by Raman imaging. Journal of Thermal Science and Technology, 2014, 9, JTST0014-JTST0014.	1.1	1
22	Precise near-wall pH measurement in pressure-driven and electrically-driven flows using nanoscale laser-induced fluorescence imaging. Measurement Science and Technology, 2019, 30, 115204.	2.6	1
23	Transport Mechanisms of Turbulence Energy in Particle-Laden Channel Flow(PIV Measurements of) Tj ETQq1 1 0.784314 rgBT /Overlo the Japan Society of Mechanical Engineers Series B B-hen, 2005, 71, 1534-1541.	0.2	0
24	Refractive index difference sensing illuminated by evanescent wave for noninvasive diagnosis of cell's pathological state. , 2010, , .		0
25	Velocity Measurement of Sub-Millimeter-Scale Gas Flow by Spark Tracing Method. Journal of Thermal Science and Technology, 2013, 8, 517-532.	1.1	0