Yasufumi Yamamoto

List of Publications by Year
in descending order

15 papers	173 citations	1307594 7 h-index	1199594 12 g-index
15 all docs	15 docs citations	15 times ranked	159 citing authors

#	Article	IF	Citations
1	Macroscopic and microscopic hydrodynamic mixing of stratified suspensions. Physical Review E, 2021, 104, 025111.	2.1	2
2	Possibility of non-Fickian mixing at concentration interface between stratified suspensions. Journal of Colloid and Interface Science, 2020, 571, 13-20.	9.4	3
3	Numerical and theoretical analyses of theÂdynamics of droplets driven by electrowetting on dielectric in a Hele-Shaw cell. Journal of Fluid Mechanics, 2018, 839, 468-488.	3.4	21
4	Numerical analysis of contact line dynamics passing over a single wettable defect on a wall. Physics of Fluids, 2016, 28, .	4.0	13
5	Numerical simulation of concentration interface in stratified suspension: Continuumâ€"particle transition. International Journal of Multiphase Flow, 2015, 73, 71-79.	3.4	17
6	Dynamic wetting behavior of a triple-phase contact line in several experimental systems. Experimental Thermal and Fluid Science, 2015, 60, 354-360.	2.7	28
7	1D31 Measurement of apparent Young's modulus of human erythrocytes by the uniaxial tensile test : Effect of hardened eryth rocytes membrane. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2015, 2015.27, 157-158.	0.0	0
8	OS22-4 Dynamic Wetting Behavior of Triple-phase Contact Line Passing over a Wall Defect Having Different Wettability(Thermal Transport Measurements and Multiphase Flow,OS22 Experimental) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2015, 2015.14, 268.	0.0	0
9	Modeling of the dynamic wetting behavior in a capillary tube considering the macroscopicâ€"microscopic contact angle relation and generalized Navier boundary condition. International Journal of Multiphase Flow, 2014, 59, 106-112.	3.4	27
10	Numerical simulations of spontaneous capillary rises with very low capillary numbers using a front-tracking method combined with generalized Navier boundary condition. International Journal of Multiphase Flow, 2013, 51, 22-32.	3.4	40
11	Numerical Simulation of Multiphase Flows by Level Contour Reconstruction Method (Improvement of) Tj ETQq1 1 0.784314 rgBT /Ov of Mechanical Engineers Series B B-hen, 2011, 77, 237-246.	0.2	2
12	A Coupled Implicit Interface and Level Contour Reconstruction Method for Multiphase Flow Simulation(Fluids Engineering). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2009, 75, 2003-2010.	0.2	0
13	Robust particle image velocimetry using gradient method with upstream difference and downstream difference. Experiments in Fluids, 2009, 46, 659-670.	2.4	7
14	3D particle measurements by single beam two-views magnified digital in-line holography. Experiments in Fluids, 2008, 45, 813-821.	2.4	7
15	Numerical Simulation of a Contaminated Water Drop Sinking in a Oil by a Front-tracking Method. Journal of Computational Science and Technology, 2008, 2, 246-257.	0.4	6