Hideki Fujioka

List of Publications by Year
in descending order

19	940	623574 14	839398 18
papers	citations	h-index	g-index

19	19	19	1042
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The effect of viscoelasticity in an airway closure model. Journal of Fluid Mechanics, 2021, 913, .	1.4	18
2	Cell trapping in Y-junction microchannels: A numerical study of the bifurcation angle effect in inertial microfluidics. Physics of Fluids, 2019, 31, 082003.	1.6	15
3	Effects of surfactant on propagation and rupture of a liquid plug in a tube. Journal of Fluid Mechanics, 2019, 872, 407-437.	1.4	27
4	Liquid plug formation in an airway closure model. Physical Review Fluids, 2019, 4, .	1.0	24
5	Boundary integral formulation for flows containing an interface between two porousÂmedia. Journal of Fluid Mechanics, 2017, 816, 71-93.	1.4	7
6	Adaptive Lagrangianâ€“Eulerian computation of propagation and rupture of a liquid plug in a tube. International Journal for Numerical Methods in Fluids, 2011, 67, 1373-1392.	0.9	22
7	The effect of viscoelasticity on the stability of a pulmonary airway liquid layer. Physics of Fluids, 2010, 22, 11901.	1.6	33
8	Oxygen and carbon dioxide transport in time-dependent blood flow past fiber rectangular arrays. Physics of Fluids, 2009, 21, .	1.6	6
9	Liquid plug propagation in flexible microchannels: A small airway model. Physics of Fluids, 2009, 21, 71903.	1.6	38
10	Liquid and surfactant delivery into pulmonary airways. Respiratory Physiology and Neurobiology, 2008, 163, 222-231.	0.7	48
11	Unsteady propagation of a liquid plug in a liquid-lined straight tube. Physics of Fluids, 2008, 20, 62104.	1.6	51
12	Acoustically detectable cellular-level lung injury induced by fluid mechanical stresses in microfluidic airway systems. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 18886-18891.	3.3	439
13	Effects of gravity, inertia, and surfactant on steady plug propagation in a two-dimensional channel. Physics of Fluids, 2007, 19, 082107.	1.6	41
14	Pulsatile flow and mass transport past a circular cylinder. Physics of Fluids, 2006, 18, 013102.	1.6	15
15	A model of flow and surfactant transport in an oscillatory alveolus partially filled with liquid. Physics of Fluids, 2005, 17, 031510.	1.6	7
16	The steady propagation of a surfactant-laden liquid plug in a two-dimensional channel. Physics of Fluids, 2005, 17, 082102.	1.6	65
17	Steady Propagation of a Liquid Plug in a Two-Dimensional Channel. Journal of Biomechanical Engineering, 2004, 126, 567-577.	0.6	80
18	Morphometric Changes of Small Airways using Microfocal X-ray Tomography(Cardiovascular) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 T Technology in Biomechanics, 2004, 2004.1, 59-60.	0.0	0

#	Article	IF	Citations
19	Shear Stress Distribution on the Surface of Endothelial Cells during Flow-Induced Morphological Remodeling. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2003, 46, 1275-1283.	0.3	4