Omid Forouzan

List of Publications by Year
in descending order

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Version: 2024-02-01

14 papers	503 citations	1163117 8 h-index	1125743 13 g-index
14 all docs	14 docs citations	14 times ranked	945 citing authors

#	Article	IF	Citations
1	Integrated separation of blood plasma from whole blood for microfluidic paper-based analytical devices. Lab on A Chip, 2012, 12, 274-280.	6.0	240
2	Spontaneous oscillations of capillary blood flow in artificial microvascular networks. Microvascular Research, 2012, 84, 123-132.	2.5	50
3	Traffic of leukocytes in microfluidic channels with rectangular and rounded cross-sections. Lab on A Chip, 2011, 11, 3231.	6.0	39
4	Non-invasive measurement using cardiovascular magnetic resonance of changes in pulmonary artery stiffness with exercise. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 109.	3.3	39
5	Effects of dapagliflozin on congestion assessed by remote pulmonary artery pressure monitoring. ESC Heart Failure, 2020, 7, 2071-2073.	3.1	30
6	Pulmonary artery relative area change is inversely related to ex vivo measured arterial elastic modulus in the canine model of acute pulmonary embolization. Journal of Biomechanics, 2014, 47, 2904-2910.	2.1	26
7	Passive recruitment of circulating leukocytes into capillary sprouts from existing capillaries in a microfluidic system. Lab on A Chip, 2011, 11, 1924.	6.0	21
8	Pulmonary arterial strain- and remodeling-induced stiffening are differentiated in a chronic model of pulmonary hypertension. Journal of Biomechanics, 2017, 55, 92-98.	2.1	16
9	PDMS well platform for culturing millimeterâ€size tumor spheroids. Biotechnology Progress, 2013, 29, 1265-1269.	2.6	9
10	Exercise-Induced Changes in Pulmonary Artery Stiffness in Pulmonary Hypertension. Frontiers in Physiology, 2019, 10, 269.	2.8	9
11	A Large Animal Model of Right Ventricular Failure due to Chronic Thromboembolic Pulmonary Hypertension: A Focus on Function. Frontiers in Cardiovascular Medicine, 2019, 5, 189.	2.4	9
12	Low Cost Magnetic Resonance Imaging-Compatible Stepper Exercise Device for Use in Cardiac Stress Tests. Journal of Medical Devices, Transactions of the ASME, 2014, 8, 0450021-450028.	0.7	8
13	The unusual symmetric reopening effect induced by pulmonary surfactant. Journal of Applied Physiology, 2014, 116, 635-644.	2.5	7
14	Non-invasive estimation of pulmonary hemodynamics from 2D-PC MRI with an arterial mechanics method. Journal of Biomechanics, 2021, 129, 110856.	2.1	0