Tohid Pirbodaghi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/12126194/publications.pdf

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17	395	840776 11	996975 15
papers	citations	h-index	g-index

17	17	17	601
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pulsatile control of rotary blood pumps: Does the modulation waveform matter?. Journal of Thoracic and Cardiovascular Surgery, 2012, 144, 970-977.	0.8	62
2	Microfluidic encapsulation of cells in alginate particles via an improved internal gelation approach. Microfluidics and Nanofluidics, 2014, 16, 773-777.	2.2	56
3	A droplet-based heterogeneous immunoassay for screening single cells secreting antigen-specific antibodies. Lab on A Chip, 2014, 14, 3275.	6.0	47
4	Asymmetric speed modulation of a rotary blood pump affects ventricular unloading. European Journal of Cardio-thoracic Surgery, 2013, 43, 383-388.	1.4	43
5	A versatile microfluidic device for high throughput production of microparticles and cell microencapsulation. Lab on A Chip, 2017, 17, 2067-2075.	6.0	39
6	Left Ventricular Volume Unloading with Axial and Centrifugal Rotary Blood Pumps. ASAIO Journal, 2015, 61, 292-300.	1.6	32
7	Investigating the fluid dynamics of rapid processes within microfluidic devices using bright-field microscopy. Lab on A Chip, 2015, 15, 2140-2144.	6.0	23
8	Effect of Pulsatility on the Mathematical Modeling of Rotary Blood Pumps. Artificial Organs, 2011, 35, 825-832.	1.9	21
9	Power Consumption of Rotary Blood Pumps: Pulsatile Versus Constantâ€Speed Mode. Artificial Organs, 2014, 38, 1024-1028.	1.9	19
10	Physiologic and hematologic concerns of rotary blood pumps: what needs to be improved?. Heart Failure Reviews, 2014, 19, 259-266.	3.9	16
11	Dynamic analysis and controller design for a sliderâ€“crank mechanism with piezoelectric actuators. Journal of Computational Design and Engineering, 2016, 3, 312-321.	3.1	14
12	Mathematical Modeling of Rotary Blood Pumps in a Pulsatile In Vitro Flow Environment. Artificial Organs, 2017, 41, 710-716.	1.9	11
13	Precision positioning using a novel six axes compliant nano-manipulator. Microsystem Technologies, 2017, 23, 2499-2507.	2.0	9
14	We Always Need a Pulse, or Do We?. Journal of Cardiovascular Translational Research, 2013, 6, 294-294.	2.4	2
15	Vibration analysis of nonlinear systems modelled by a mass attached to a stretched elastic wire. European Journal of Computational Mechanics, 2016, 25, 329-338.	0.6	1
16	Reply to the Editor. Journal of Thoracic and Cardiovascular Surgery, 2013, 145, 1145-1146.	0.8	0
17	The Impact of Cannulas on the Heart-Blood Pump Interaction. Journal of Bioengineering & Biomedical Science, 2016, 01, .	0.2	0