Alex J Thompson

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3674257/publications.pdf

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13	496	840776 11	1125743 13
papers	citations	h-index	g-index

13	13	13	780
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Margination Propensity of Vascular-Targeted Spheres from Blood Flow in a Microfluidic Model of Human Microvessels. Langmuir, 2013, 29, 2530-2535.	3.5	113
2	The margination propensity of ellipsoidal micro/nanoparticles to the endothelium in human blood flow. Biomaterials, 2013, 34, 5863-5871.	11.4	104
3	Emergence and Utility of Nonspherical Particles in Biomedicine. Industrial & Engineering Chemistry Research, 2015, 54, 4043-4059.	3.7	52
4	Stability of Polyethylene Glycol and Zwitterionic Surface Modifications in PDMS Microfluidic Flow Chambers. Langmuir, 2018, 34, 492-502.	3.5	40
5	InÂvivo evaluation of vascular-targeted spheroidal microparticles for imaging and drug delivery application in atherosclerosis. Atherosclerosis, 2014, 237, 279-286.	0.8	37
6	Plasma Protein Corona Modulates the Vascular Wall Interaction of Drug Carriers in a Material and Donor Specific Manner. PLoS ONE, 2014, 9, e107408.	2.5	31
7	Dense nanoparticles exhibit enhanced vascular wall targeting over neutrally buoyant nanoparticles in human blood flow. Acta Biomaterialia, 2015, 21, 99-108.	8.3	27
8	A small-scale, rolled-membrane microfluidic artificial lung designed towards future large area manufacturing. Biomicrofluidics, 2017, 11, 024113.	2.4	27
9	Design Analysis and Optimization of a Single-Layer PDMS Microfluidic Artificial Lung. IEEE Transactions on Biomedical Engineering, 2019, 66, 1082-1093.	4.2	24
10	Assessing and improving the biocompatibility of microfluidic artificial lungs. Acta Biomaterialia, 2020, 112, 190-201.	8.3	17
11	Low-Resistance, Concentric-Gated Pediatric Artificial Lung for End-Stage Lung Failure. ASAIO Journal, 2020, 66, 423-432.	1.6	14
12	One-step fabrication of agent-loaded biodegradable microspheroids for drug delivery and imaging applications. Colloids and Surfaces B: Biointerfaces, 2014, 116, 55-62.	5.0	9
13	A Parametric Analysis of Capillary Height in Single-Layer, Small-Scale Microfluidic Artificial Lungs. Micromachines, 2022, 13, 822.	2.9	1