Dimitrios P Papageorgiou

List of Publications by Year
in descending order

15	514	687363 13	996975 15
papers	citations	h-index	g-index

15	15	15	786
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantifying Fibrinogen-Dependent Aggregation of Red Blood Cells in Type 2 Diabetes Mellitus. Biophysical Journal, 2020, 119, 900-912.	0.5	31
2	MFSD7C switches mitochondrial ATP synthesis to thermogenesis in response to heme. Nature Communications, 2020, 11, 4837.	12.8	21
3	Predictive modelling of thrombus formation in diabetic retinal microaneurysms. Royal Society Open Science, 2020, 7, 201102.	2.4	19
4	Quantifying Shear-Induced Deformation and Detachment of Individual Adherent Sickle Red BloodÂCells. Biophysical Journal, 2019, 116, 360-371.	0.5	29
5	Simultaneous polymerization and adhesion under hypoxia in sickle cell disease. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9473-9478.	7.1	55
6	Synergistic Integration of Laboratory and Numerical Approaches in Studies of the Biomechanics of Diseased Red Blood Cells. Biosensors, 2018, 8, 76.	4.7	16
7	A deep convolutional neural network for classification of red blood cells in sickle cell anemia. PLoS Computational Biology, 2017, 13, e1005746.	3.2	154
8	Cellular normoxic biophysical markers of hydroxyurea treatment in sickle cell disease. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9527-9532.	7.1	36
9	Sticking of droplets on slippery superhydrophobic surfaces by laser induced forward transfer. Applied Physics Letters, 2013, 103, 024104.	3.3	18
10	Superhydrophobic, hierarchical, plasma-nanotextured polymeric microchannels sustaining high-pressure flows. Microfluidics and Nanofluidics, 2013, 14, 247-255.	2.2	16
11	Dielectrophoretic liquid actuation on nano-textured super hydrophobic surfaces. Sensors and Actuators B: Chemical, 2013, 182, 351-361.	7.8	16
12	Performance of multilayered fluoropolymer surface coating for DEP surface microfluidic devices. Microfluidics and Nanofluidics, 2012, 13, 309-318.	2.2	8
13	Evaluating the Robustness of Top Coatings Comprising Plasma-Deposited Fluorocarbons in Electrowetting Systems. Journal of Adhesion Science and Technology, 2012, 26, 2001-2015.	2.6	9
14	Hierarchical, Plasma Nanotextured, Robust Superamphiphobic Polymeric Surfaces Structurally Stabilized Through a Wettingâ€“drying Cycle. Plasma Processes and Polymers, 2012, 9, 304-315.	3.0	63
15	Superior performance of multilayered fluoropolymer films in low voltage electrowetting. Journal of Colloid and Interface Science, 2012, 368, 592-598.	9.4	23