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	A deep convolutional neural network for classification of red blood cells in sickle cell anemia. PLoS Computational Biology, 2017, 13, e1005746.	3.2	154
2	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
3	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
4	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
5	Quantifying Fibrinogen-Dependent Aggregation of Red Blood Cells in Type 2 Diabetes Mellitus. Biophysical Journal, 2020, 119, 900-912.	0.5	31
6	Quantifying Shear-Induced Deformation and Detachment of Individual Adherent Sickle Red BloodÂCells. Biophysical Journal, 2019, 116, 360-371.	0.5	29
7	Superior performance of multilayered fluoropolymer films in low voltage electrowetting. Journal of Colloid and Interface Science, 2012, 368, 592-598.	9.4	23
8	MFSD7C switches mitochondrial ATP synthesis to thermogenesis in response to heme. Nature Communications, 2020, 11, 4837.	12.8	21
9	Predictive modelling of thrombus formation in diabetic retinal microaneurysms. Royal Society Open Science, 2020, 7, 201102.	2.4	19
10	Sticking of droplets on slippery superhydrophobic surfaces by laser induced forward transfer. Applied Physics Letters, 2013, 103, 024104.	3.3	18
11	Superhydrophobic, hierarchical, plasma-nanotextured polymeric microchannels sustaining high-pressure flows. Microfluidics and Nanofluidics, 2013, 14, 247-255.	2.2	16
12	Dielectrophoretic liquid actuation on nano-textured super hydrophobic surfaces. Sensors and Actuators B: Chemical, 2013, 182, 351-361.	7.8	16
13	Synergistic Integration of Laboratory and Numerical Approaches in Studies of the Biomechanics of Diseased Red Blood Cells. Biosensors, 2018, 8, 76.	4.7	16
14	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
15	Performance of multilayered fluoropolymer surface coating for DEP surface microfluidic devices. Microfluidics and Nanofluidics, 2012, 13, 309-318.	2.2	8