Tatiana Trantidou

List of Publications by Year
in descending order

18	1,081	567281 15	940533 16
papers	citations	h-index	g-index

18	18	18	1800
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrophilic surface modification of PDMS for droplet microfluidics using a simple, quick, and robust method via PVA deposition. Microsystems and Nanoengineering, 2017, 3, 16091.	7.0	269
2	Engineering Compartmentalized Biomimetic Micro- and Nanocontainers. ACS Nano, 2017, 11, 6549-6565.	14.6	166
3	The effect of microgrooved culture substrates on calcium cycling of cardiac myocytes derived from human induced pluripotent stem cells. Biomaterials, 2013, 34, 2399-2411.	11.4	154
4	Constructing vesicle-based artificial cells with embedded living cells as organelle-like modules. Scientific Reports, 2018, 8, 4564.	3.3	94
5	Droplet microfluidics for the construction of compartmentalised model membranes. Lab on A Chip, 2018, 18, 2488-2509.	6.0	89
6	Oxygen plasma induced hydrophilicity of Parylene-C thin films. Applied Surface Science, 2012, 261, 43-51.	6.1	54
7	Functionalizing cell-mimetic giant vesicles with encapsulated bacterial biosensors. Interface Focus, 2018, 8, 20180024.	3.0	44
8	Surface and Electrical Characterization of Ag/AgCl Pseudo-Reference Electrodes Manufactured with Commercially Available PCB Technologies. Sensors, 2015, 15, 18102-18113.	3.8	38
9	The dual role of Parylene C in chemical sensing: Acting as an encapsulant and as a sensing membrane for pH monitoring applications. Sensors and Actuators B: Chemical, 2013, 186, 1-8.	7.8	32
10	Effects of Ar and O₂ Plasma Etching on Parylene C: Topography versus Surface Chemistry and the Impact on Cell Viability. Plasma Processes and Polymers, 2016, 13, 324-333.	3.0	29
11	Parylene C-Based Flexible Electronics for pH Monitoring Applications. Sensors, 2014, 14, 11629-11639.	3.8	24
12	Mask-Free Laser Lithography for Rapid and Low-Cost Microfluidic Device Fabrication. Analytical Chemistry, 2018, 90, 13915-13921.	6.5	23
13	Biorealistic cardiac cell culture platforms with integrated monitoring of extracellular action potentials. Scientific Reports, 2015, 5, 11067.	3.3	20
14	A â€œcleanroom-freeâ€•and scalable manufacturing technology for the microfluidic generation of lipid-stabilized droplets and cell-sized multisomes. Sensors and Actuators B: Chemical, 2018, 267, 34-41.	7.8	17
15	New Directions for Artificial Cells Using Prototyped Biosystems. Analytical Chemistry, 2019, 91, 4921-4928.	6.5	17
16	Assessment of Parylene C Thin Films for Heart Valve Tissue Engineering. Tissue Engineering - Part A, 2015, 21, 2504-2514.	3.1	11
17	Sensing H+ with conventional neural probes. Applied Physics Letters, 2013, 102, 223506.	3.3	0
18	A lab-on-chip approach for monitoring the electrochemical activity of biorealistic cell cultures. , 2014, , .		0