Junghyo Yoon

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4904633/publications.pdf

Version: 2024-02-01

18	219	1040056	996975
papers	citations	9	15
		h-index	g-index

19	19	19	316
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Viscoelastic lithography for fabricating self-organizing soft micro-honeycomb structures with ultra-high aspect ratios. Nature Communications, 2016, 7, 11269.	12.8	38
2	Enhanced oxygen permeability in membrane-bottomed concave microwells for the formation of pancreatic islet spheroids. Acta Biomaterialia, 2018, 65, 185-196.	8.3	24
3	Return flow ion concentration polarization desalination: A new way to enhance electromembrane desalination. Water Research, 2019, 159, 501-510.	11.3	24
4	Techno-economic analysis of ion concentration polarization desalination for high salinity desalination applications. Water Research, 2019, 155, 162-174.	11.3	20
5	Ethanol-dispersed and antibody-conjugated polymer nanofibers for the selective capture and 3-dimensional culture of EpCAM-positive cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1617-1625.	3.3	16
6	Ion concentration polarization for pre-concentration of biological samples without pH change. Analyst, The, 2016, 141, 6510-6514.	3.5	15
7	On-Chip Lipid Extraction Using Superabsorbent Polymers for Mass Spectrometry. Analytical Chemistry, 2017, 89, 13365-13373.	6.5	15
8	Microfluidic in-reservoir pre-concentration using a buffer drain technique. Lab on A Chip, 2014, 14, 2778-2782.	6.0	9
9	Generation of digitized microfluidic filling flow by vent control. Biosensors and Bioelectronics, 2017, 92, 465-471.	10.1	9
10	Fabrication of type I collagen microcarrier using a microfluidic 3D T-junction device and its application for the quantitative analysis of cellâ€“ECM interactions. Biofabrication, 2016, 8, 035014.	7.1	8
11	Portable Seawater Desalination System for Generating Drinkable Water in Remote Locations. Environmental Science & Technology, 2022, 56, 6733-6743.	10.0	8
12	Current efficiency and selectivity reduction caused by co-ion leakage in electromembrane processes. Water Research, 2021, 201, 117351.	11.3	7
13	Nanointerstice-driven microflow patterns in physical interrupts. Microfluidics and Nanofluidics, 2015, 18, 1433-1438.	2.2	6
14	Nano-Interstice Driven Powerless Blood Plasma Extraction in a Membrane Filter Integrated Microfluidic Device. Sensors, 2021, 21, 1366.	3.8	6
15	Refinement of brine for lithium extraction using ion concentration polarization. Separation and Purification Technology, 2022, 282, 120055.	7.9	5
16	Single-step UV diffraction lithography to define a hydrophobic SU-8 interconnected hoodoo structure. Microsystem Technologies, 2013, 19, 1025-1032.	2.0	4
17	Techno-economic analysis of multi-stage ion concentration polarization with recirculation for treatment of oil produced water. Journal of Environmental Management, 2020, 269, 110788.	7.8	3
18	Simulation and Experimental Study of Ion Concentration Polarization Induced Electroconvective Vortex and Particle Movement. Micromachines, 2021, 12, 903.	2.9	2