Po Ki Yuen

List of Publications by Year
in descending order

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32 papers	1,840 citations	331670 21 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	2652 citing authors

#	Article	IF	Citations
1	Self-aligning Tetris-Like (TILE) modular microfluidic platform for mimicking multi-organ interactions. Lab on A Chip, 2019, 19, 2178-2191.	6.0	64
2	Programmable Contact Printing Using Ballpoint Pens with a Digital Plotter for Patterning Electrodes on Paper. ACS Omega, 2018, 3, 16866-16873.	3.5	26
3	Embedding objects during 3D printing to add new functionalities. Biomicrofluidics, 2016, 10, 044104.	2.4	37
4	A reconfigurable stick-n-play modular microfluidic system using magnetic interconnects. Lab on A Chip, 2016, 16, 3700-3707.	6.0	52
5	A pump-free membrane-controlled perfusion microfluidic platform. Biomicrofluidics, 2015, 9, 054103.	2.4	11
6	Methods for advanced hepatocyte cell culture in microwells utilizing air bubbles. Lab on A Chip, 2015, 15, 1032-1037.	6.0	12
7	Microstructured multi-well plate for three-dimensional packed cell seeding and hepatocyte cell culture. Biomicrofluidics, 2014, 8, 046502.	2.4	6
8	A polystyrene-based microfluidic device with three-dimensional interconnected microporous walls for perfusion cell culture. Biomicrofluidics, 2014, 8, 046505.	2.4	25
9	Accelerating drug discovery via organs-on-chips. Lab on A Chip, 2013, 13, 4697.	6.0	117
10	A continuous perfusion microplate for cell culture. Lab on A Chip, 2013, 13, 1039.	6.0	28
11	Fluid control in microfluidic devices using a fluid conveyance extension and an absorbent microfluidic flow modulator. Lab on A Chip, 2013, 13, 1737.	6.0	13
12	Low-Cost Rapid Prototyping of Whole-Glass Microfluidic Devices. Journal of Chemical Education, 2012, 89, 1288-1292.	2.3	20
13	Microfluidic Platforms for Hepatocyte Cell Culture: New Technologies and Applications. Annals of Biomedical Engineering, 2012, 40, 1244-1254.	2.5	23
14	Flexible microfluidic devices with three-dimensional interconnected microporous walls for gas and liquid applications. Lab on A Chip, 2011, 11, 3249.	6.0	23
15	Flexible Microfluidic Devices for Both Generation and Absorption of Carbon Dioxide Gas and Liquid Perfusion. Procedia Engineering, 2011, 25, 132-135.	1.2	1
16	Three-dimensional interconnected microporous poly(dimethylsiloxane) microfluidic devices. Lab on A Chip, 2011, 11, 1541.	6.0	42
17	Flexible Microfluidic Devices With Three-Dimensional Interconnected Microporous Walls. , 2011, , .		0
18	Hot embossing of plastic microfluidic devices using poly(dimethylsiloxane) molds. Journal of Micromechanics and Microengineering, 2011, 21, 017002.	2.6	81

#	Article	IF	Citations
19	Low-cost rapid prototyping of flexible microfluidic devices using a desktop digital craft cutter. Lab on A Chip, 2010, 10, 384-387.	6.0	194
20	Perfusion-based microfluidic device for three-dimensional dynamic primary human hepatocyte cell culture in the absence of biological or synthetic matrices or coagulants. Lab on A Chip, 2010, 10, 3380.	6.0	113
21	Multidimensional modular microfluidic system. Lab on A Chip, 2009, 9, 3303.	6.0	207
22	SmartBuildâ€“A truly plug-n-play modular microfluidic system. Lab on A Chip, 2008, 8, 1374.	6.0	96
23	Self-referencing a single waveguide grating sensor in a micron-sized deep flow chamber for label-free biomolecular binding assays. Lab on A Chip, 2005, 5, 959.	6.0	20
24	Characteristics of Dynamic Mass Redistribution of Epidermal Growth Factor Receptor Signaling in Living Cells Measured with Label-Free Optical Biosensors. Analytical Chemistry, 2005, 77, 5720-5725.	6.5	138
25	Microfluidic devices for fluidic circulation and mixing improve hybridization signal intensity on DNA arrays. Lab on A Chip, 2003, 3, 46-50.	6.0	90
26	Microbarcode sorting device. Lab on A Chip, 2003, 3, 198.	6.0	6
27	Rare earth-doped glass microbarcodes. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 389-393.	7.1	189
28	Agilent 2100 Bioanalyzer for Restriction Fragment Length Polymorphism Analysis of the Campylobacter jejuni Flagellin Gene. Journal of Clinical Microbiology, 2001, 39, 754-757.	3.9	70
29	Semi-disposable microvalves for use with microfabricated devices or microchips. Journal of Micromechanics and Microengineering, 2000, 10, 401-409.	2.6	21
30	Optimal and adaptive control of chaotic convectionâ€”Theory and experiments. Physics of Fluids, 1999, 11, 1435-1448.	4.0	31
31	Controlling chaotic convection using neural netsâ€”theory and experiments. Neural Networks, 1998, 11, 557-569.	5.9	26
32	Rendering a subcritical Hopf bifurcation supercritical. Journal of Fluid Mechanics, 1996, 317, 91-109.	3.4	58