

# Po Ki Yuen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6458027/publications.pdf>

Version: 2024-02-01

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	Multidimensional modular microfluidic system. Lab on A Chip, 2009, 9, 3303.	6.0	207
2	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
3	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
4	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
5	Accelerating drug discovery via organs-on-chips. Lab on A Chip, 2013, 13, 4697.	6.0	117
6	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
7	SmartBuild—A truly plug-n-play modular microfluidic system. Lab on A Chip, 2008, 8, 1374.	6.0	96
8	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
9	Hot embossing of plastic microfluidic devices using poly(dimethylsiloxane) molds. Journal of Micromechanics and Microengineering, 2011, 21, 017002.	2.6	81
10	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
11	Self-aligning Tetris-Like (TILE) modular microfluidic platform for mimicking multi-organ interactions. Lab on A Chip, 2019, 19, 2178-2191.	6.0	64
12	Rendering a subcritical Hopf bifurcation supercritical. Journal of Fluid Mechanics, 1996, 317, 91-109.	3.4	58
13	A reconfigurable stick-n-play modular microfluidic system using magnetic interconnects. Lab on A Chip, 2016, 16, 3700-3707.	6.0	52
14	Three-dimensional interconnected microporous poly(dimethylsiloxane) microfluidic devices. Lab on A Chip, 2011, 11, 1541.	6.0	42
15	Embedding objects during 3D printing to add new functionalities. Biomicrofluidics, 2016, 10, 044104.	2.4	37
16	Optimal and adaptive control of chaotic convection—Theory and experiments. Physics of Fluids, 1999, 11, 1435-1448.	4.0	31
17	A continuous perfusion microplate for cell culture. Lab on A Chip, 2013, 13, 1039.	6.0	28
18	Controlling chaotic convection using neural nets—theory and experiments. Neural Networks, 1998, 11, 557-569.	5.9	26

#	ARTICLE	IF	CITATIONS
19	Programmable Contact Printing Using Ballpoint Pens with a Digital Plotter for Patterning Electrodes on Paper. ACS Omega, 2018, 3, 16866-16873.	3.5	26
20	A polystyrene-based microfluidic device with three-dimensional interconnected microporous walls for perfusion cell culture. Biomicrofluidics, 2014, 8, 046505.	2.4	25
21	Flexible microfluidic devices with three-dimensional interconnected microporous walls for gas and liquid applications. Lab on A Chip, 2011, 11, 3249.	6.0	23
22	Microfluidic Platforms for Hepatocyte Cell Culture: New Technologies and Applications. Annals of Biomedical Engineering, 2012, 40, 1244-1254.	2.5	23
23	Semi-disposable microvalves for use with microfabricated devices or microchips. Journal of Micromechanics and Microengineering, 2000, 10, 401-409.	2.6	21
24	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
25	Low-Cost Rapid Prototyping of Whole-Glass Microfluidic Devices. Journal of Chemical Education, 2012, 89, 1288-1292.	2.3	20
26	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
27	Methods for advanced hepatocyte cell culture in microwells utilizing air bubbles. Lab on A Chip, 2015, 15, 1032-1037.	6.0	12
28	A pump-free membrane-controlled perfusion microfluidic platform. Biomicrofluidics, 2015, 9, 054103.	2.4	11
29	Microbarcode sorting device. Lab on A Chip, 2003, 3, 198.	6.0	6
30	Microstructured multi-well plate for three-dimensional packed cell seeding and hepatocyte cell culture. Biomicrofluidics, 2014, 8, 046502.	2.4	6
31	Flexible Microfluidic Devices for Both Generation and Absorption of Carbon Dioxide Gas and Liquid Perfusion. Procedia Engineering, 2011, 25, 132-135.	1.2	1
32	Flexible Microfluidic Devices With Three-Dimensional Interconnected Microporous Walls. , 2011, , .		0