

Danny van Noort

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2786450/publications.pdf>

Version: 2024-02-01

57
papers

2,537
citations

304602

22
h-index

197736

49
g-index

60
all docs

60
docs citations

60
times ranked

3725
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel 3D mammalian cell perfusion-culture system in microfluidic channels. Lab on A Chip, 2007, 7, 302.	3.1	392
2	A microfluidic 3D hepatocyte chip for drug toxicity testing. Lab on A Chip, 2009, 9, 2026.	3.1	378
3	Towards a human-on-chip: Culturing multiple cell types on a chip with compartmentalized microenvironments. Lab on A Chip, 2009, 9, 3185.	3.1	302
4	Fluorescent Molecular Logic Gates Using Microfluidic Devices. Angewandte Chemie - International Edition, 2008, 47, 872-876.	7.2	174
5	A gel-free 3D microfluidic cell culture system. Biomaterials, 2008, 29, 3237-3244.	5.7	157
6	Engineering a scaffold-free 3D tumor model for in vitro drug penetration studies. Biomaterials, 2010, 31, 1180-1190.	5.7	113
7	Effective mixing in a microfluidic chip using magnetic particles. Lab on A Chip, 2009, 9, 479-482.	3.1	95
8	Porous gold surfaces for biosensor applications. Biosensors and Bioelectronics, 2000, 15, 203-209.	5.3	84
9	Fish and Chips: a microfluidic perfusion platform for monitoring zebrafish development. Lab on A Chip, 2012, 12, 892-900.	3.1	81
10	Stem cells in microfluidics. Biotechnology Progress, 2009, 25, 52-60.	1.3	67
11	The Nanoscale Architecture of Force-Bearing Focal Adhesions. Nano Letters, 2014, 14, 4257-4262.	4.5	65
12	A multishear microfluidic device for quantitative analysis of calcium dynamics in osteoblasts. Biochemical and Biophysical Research Communications, 2011, 408, 350-355.	1.0	49
13	A 3D Microfluidic Model to Recapitulate Cancer Cell Migration and Invasion. Bioengineering, 2018, 5, 29.	1.6	39
14	Endocrine system on chip for a diabetes treatment model. Biofabrication, 2017, 9, 015021.	3.7	38
15	The controlled presentation of TGF- β 1 to hepatocytes in a 3D-microfluidic cell culture system. Biomaterials, 2009, 30, 3847-3853.	5.7	33
16	Monitoring specific interaction of low molecular weight biomolecules on oxidized porous silicon using ellipsometry. Biosensors and Bioelectronics, 1998, 13, 439-449.	5.3	31
17	Silicon based affinity biochips viewed with imaging ellipsometry. Measurement Science and Technology, 2000, 11, 801-808.	1.4	28
18	DNA Computing in Microreactors. Lecture Notes in Computer Science, 2002, , 33-45.	1.0	27

#	ARTICLE	IF	CITATIONS
19	A thin-walled polydimethylsiloxane bioreactor for high-density hepatocyte sandwich culture. <i>Biotechnology and Bioengineering</i> , 2013, 110, 1663-1673.	1.7	27
20	A biological sensor platform using a pneumatic-valve controlled microfluidic device containing <i>Tetrahymena pyriformis</i> . <i>Lab on A Chip</i> , 2007, 7, 638.	3.1	25
21	Improving the Sensitivity of a Quartz Crystal Microbalance for Biosensing by Using Porous Gold. <i>Mikrochimica Acta</i> , 2001, 136, 49-53.	2.5	24
22	Cells in Microfluidics. <i>Topics in Current Chemistry</i> , 2011, 304, 295-321.	4.0	23
23	Integrated Microfluidic Preconcentration and Nucleic Amplification System for Detection of Influenza A Virus H1N1 in Saliva. <i>Micromachines</i> , 2020, 11, 203.	1.4	23
24	Microfabricated silicon nitride membranes for hepatocyte sandwich culture. <i>Biomaterials</i> , 2008, 29, 3993-4002.	5.7	22
25	Molecular computing revisited: a Moore's Law?. <i>Trends in Biotechnology</i> , 2003, 21, 98-101.	4.9	18
26	Microfluidic bead-based sensing platform for monitoring kinase activity. <i>Biosensors and Bioelectronics</i> , 2014, 57, 1-9.	5.3	18
27	Solenoid Driven Pressure Valve System: Toward Versatile Fluidic Control in Paper Microfluidics. <i>Analytical Chemistry</i> , 2018, 90, 2534-2541.	3.2	17
28	Hybrid poly(dimethylsiloxane)-silicon microreactors used for molecular computing. <i>Smart Materials and Structures</i> , 2002, 11, 756-760.	1.8	15
29	A Programmable Molecular Computer in Microreactors. <i>Lecture Notes in Computer Science</i> , 2005, , 365-374.	1.0	15
30	3D-Printed Modular Microfluidic Device Enabling Preconcentrating Bacteria and Purifying Bacterial DNA in Blood for Improving the Sensitivity of Molecular Diagnostics. <i>Sensors</i> , 2020, 20, 1202.	2.1	15
31	3D hanging spheroid plate for high-throughput CAR T cell cytotoxicity assay. <i>Journal of Nanobiotechnology</i> , 2022, 20, 30.	4.2	15
32	Organ-on-a-Chip for Studying Gut-Brain Interaction Mediated by Extracellular Vesicles in the Gut Microenvironment. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13513.	1.8	15
33	Towards a re-programmable DNA computer. <i>Natural Computing</i> , 2005, 4, 163-175.	1.8	13
34	Developing organ-on-a-chip concepts using bio-mechatronic design methodology. <i>Biofabrication</i> , 2017, 9, 025023.	3.7	12
35	<i>C. elegans</i> sensing of and entrainment along obstacles require different neurons at different body locations. <i>Scientific Reports</i> , 2013, 3, 3247.	1.6	8
36	A Microbore Tubing Based Spiral for Multistep Cell Fractionation. <i>Analytical Chemistry</i> , 2018, 90, 12909-12916.	3.2	8

#	ARTICLE	IF	CITATIONS
37	Biomolecular theorem proving on a chip: a novel microfluidic solution to a classical logic problem. Lab on A Chip, 2012, 12, 1841.	3.1	7
38	Flows in micro fluidic networks: From theory to experiment. Natural Computing, 2004, 3, 395-410.	1.8	5
39	PDMS valves in DNA computers. , 2005, , .		5
40	Microslit on a chip: A simplified filter to capture circulating tumor cells enlarged with microbeads. PLoS ONE, 2019, 14, e0223193.	1.1	5
41	Cell Seeding Technology for Microarray-Based Quantitative Human Primary Skeletal Muscle Cell Analysis. Analytical Chemistry, 2019, 91, 14214-14219.	3.2	4
42	A Poor Man's Microfluidic DNA Computer. Lecture Notes in Computer Science, 2006, , 380-386.	1.0	3
43	Systematic Review: Microfluidics and Plasmodium. Micromachines, 2021, 12, 1245.	1.4	3
44	Magnetization and susceptibility studies of LaCu ₄ Mn _{0.7} . Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1988, 147, 316-318.	0.9	2
45	Flows in micro fluidic networks: from theory to simulation. , 0, , .		2
46	Microtechnology applied to stem cells research and development. Regenerative Medicine, 2018, 13, 233-248.	0.8	2
47	WEAK FERROMAGNETISM IN SINGLE CRYSTALS OF KMnF ₄ .H ₂ O AND (NH ₄) ₂ MnF ₄ .2H ₂ O. Journal De Physique Colloque, 1988, 49, C8-819-C8-820.	0.2	2
48	Simulation and Visualization for DNA Computing in Microreactors. Lecture Notes in Computer Science, 2005, , 1206-1217.	1.0	2
49	<title>DNA computing in microreactors</title>. , 2001, , .		1
50	High-Resolution Fluorescence Measurements Correlated to Cellular Traction Forces. Biophysical Journal, 2013, 104, 193a.	0.2	1
51	Simulations of Microreactors: The Order of Things. Lecture Notes in Computer Science, 2006, , 286-297.	1.0	1
52	Ligation module for in vitro selection in DNA computing. , 2005, , .		0
53	Making the SAT decision Based on a DNA Computation. , 2007, , .		0
54	2SA1020 Bistability in the envZ/ompR Operon Controls Osmotic Signaling in E. coli(2SA Dynamics of) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.0	0

#	ARTICLE	IF	CITATIONS
55	Leveraging on being smallâ€”Singapore's strategy to catalyze integrative innovations. Lab on A Chip, 2011, 11, 1853.	3.1	0
56	Bistability in the EnvZ/OmpR Operon Controls Osmotic Signaling in E. coli. Biophysical Journal, 2011, 100, 7a.	0.2	0
57	Editorial for the Special Issue on Microfluidics for Cell and Other Organisms. Micromachines, 2019, 10, 520.	1.4	0