Haoqing Zhang

List of Publications by Year
in descending order

17	700	933447 10	888059 17
papers	citations	h-index	g-index

17	17	17	824
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	LAMP-on-a-chip: Revising microfluidic platforms for loop-mediated DNA amplification. TrAC - Trends in Analytical Chemistry, 2019, 113, 44-53.	11.4	163
2	PCR past, present and future. BioTechniques, 2020, 69, 317-325.	1.8	156
3	DEP-on-a-Chip: Dielectrophoresis Applied to Microfluidic Platforms. Micromachines, 2019, 10, 423.	2.9	105
4	The vision of point-of-care PCR tests for the COVID-19 pandemic and beyond. TrAC - Trends in Analytical Chemistry, 2020, 130, 115984.	11.4	73
5	IoT PCR for pandemic disease detection and its spread monitoring. Sensors and Actuators B: Chemical, 2020, 303, 127098.	7.8	54
6	Versatile digital polymerase chain reaction chip design, fabrication, and image processing. Sensors and Actuators B: Chemical, 2019, 283, 677-684.	7.8	29
7	Multiplexed digital polymerase chain reaction as a powerful diagnostic tool. Biosensors and Bioelectronics, 2021, 181, 113155.	10.1	28
8	Revealing the secrets of PCR. Sensors and Actuators B: Chemical, 2019, 298, 126924.	7.8	15
9	PCR Multiplexing Based on a Single Fluorescent Channel Using Dynamic Melting Curve Analysis. ACS Omega, 2020, 5, 30267-30273.	3.5	15
10	An image-to-answer algorithm for fully automated digital PCR image processing. Lab on A Chip, 2022, 22, 1333-1343.	6.0	13
11	Determination of Advantages and Limitations of qPCR Duplexing in a Single Fluorescent Channel. ACS Omega, 2021, 6, 22292-22300.	3.5	12
12	Temperature non-uniformity detection on dPCR chips and temperature sensor calibration. RSC Advances, 2022, 12, 2375-2382.	3.6	10
13	Heat transfer time determination based on DNA melting curve analysis. Microfluidics and Nanofluidics, 2020, 24, 1.	2.2	7
14	nanolithography toolboxâ€”Simplifying the design complexity of microfluidic chips. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2020, 38, 063002.	1.2	7
15	Digital PCR system development acceleratorâ€”A methodology to emulate dPCR results. Sensors and Actuators B: Chemical, 2022, 358, 131527.	7.8	6
16	Microfabricated stem cell targeted differentiation systems. TrAC - Trends in Analytical Chemistry, 2020, 126, 115858.	11.4	5
17	Design considerations for point-of-need devices based on nucleic acid amplification for COVID-19 diagnostics and beyond. BioTechniques, 2021, 71, 505-509.	1.8	2