

# Haoqing Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9998054/publications.pdf>

Version: 2024-02-01

17  
papers

700  
citations

933447

10  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

824  
citing authors

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