

Wei Gu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3583384/publications.pdf>

Version: 2024-02-01

19
papers

5,619
citations

516561

16
h-index

794469

19
g-index

25
all docs

25
docs citations

25
times ranked

10393
citing authors

#	ARTICLE	IF	CITATIONS
1	CRISPR-Cas12-based detection of SARS-CoV-2. <i>Nature Biotechnology</i> , 2020, 38, 870-874.	9.4	1,884
2	Clinical Metagenomic Next-Generation Sequencing for Pathogen Detection. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2019, 14, 319-338.	9.6	755
3	Computerized microfluidic cell culture using elastomeric channels and Braille displays. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 15861-15866.	3.3	362
4	Microfluidics for flow cytometric analysis of cells and particles. <i>Physiological Measurement</i> , 2005, 26, R73-R98.	1.2	362
5	Rapid pathogen detection by metagenomic next-generation sequencing of infected body fluids. <i>Nature Medicine</i> , 2021, 27, 115-124.	15.2	329
6	Genomic surveillance reveals multiple introductions of SARS-CoV-2 into Northern California. <i>Science</i> , 2020, 369, 582-587.	6.0	253
7	Evaluation of SARS-CoV-2 serology assays reveals a range of test performance. <i>Nature Biotechnology</i> , 2020, 38, 1174-1183.	9.4	251
8	Brain Tumor Mutations Detected in Cerebral Spinal Fluid. <i>Clinical Chemistry</i> , 2015, 61, 514-522.	1.5	233
9	Computer-Controlled Microcirculatory Support System for Endothelial Cell Culture and Shearing. <i>Analytical Chemistry</i> , 2005, 77, 3993-3999.	3.2	224
10	Cryptic transmission of SARS-CoV-2 in Washington state. <i>Science</i> , 2020, 370, 571-575.	6.0	217
11	SARS-CoV-2 seroprevalence and neutralizing activity in donor and patient blood. <i>Nature Communications</i> , 2020, 11, 4698.	5.8	124
12	Handheld recirculation system and customized media for microfluidic cell culture. <i>Lab on A Chip</i> , 2006, 6, 149-154.	3.1	88
13	ReScan, a Multiplex Diagnostic Pipeline, Pans Human Sera for SARS-CoV-2 Antigens. <i>Cell Reports Medicine</i> , 2020, 1, 100123.	3.3	70
14	Multiplexed hydraulic valve actuation using ionic liquid filled soft channels and Braille displays. <i>Applied Physics Letters</i> , 2007, 90, 033505.	1.5	42
15	Cell-free DNA tissues of origin by methylation profiling reveals significant cell, tissue, and organ-specific injury related to COVID-19 severity. <i>Med</i> , 2021, 2, 411-422.e5.	2.2	41
16	Electromechanical Properties of Pressure-Actuated Poly(dimethylsiloxane) Microfluidic Push-Down Valves. <i>Analytical Chemistry</i> , 2008, 80, 6110-6113.	3.2	16
17	Detection of cryptogenic malignancies from metagenomic whole genome sequencing of body fluids. <i>Genome Medicine</i> , 2021, 13, 98.	3.6	16
18	Detection of Neoplasms by Metagenomic Next-Generation Sequencing of Cerebrospinal Fluid. <i>JAMA Neurology</i> , 2021, 78, 1355.	4.5	14

#	ARTICLE	IF	CITATIONS
19	Associations of Early COVID-19 Cases in San Francisco With Domestic and International Travel. <i>Clinical Infectious Diseases</i> , 2020, 71, 2976-2980.	2.9	8