

Vilhelm MÃ¼ller

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

436
citations

758635

12
h-index

996533

15
g-index

15
all docs

15
docs citations

15
times ranked

550
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical DNA mapping in nanofluidic devices: principles and applications. <i>Lab on A Chip</i> , 2017, 17, 579-590.	3.1	77
2	Enantioselective Cyclization of Photochromic Dithienylethenes Bound to DNA. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4393-4396.	7.2	61
3	Direct identification of antibiotic resistance genes on single plasmid molecules using CRISPR/Cas9 in combination with optical DNA mapping. <i>Scientific Reports</i> , 2016, 6, 37938.	1.6	57
4	Identification of pathogenic bacteria in complex samples using a smartphone based fluorescence microscope. <i>RSC Advances</i> , 2018, 8, 36493-36502.	1.7	48
5	Rapid identification of intact bacterial resistance plasmids via optical mapping of single DNA molecules. <i>Scientific Reports</i> , 2016, 6, 30410.	1.6	38
6	Rapid Tracing of Resistance Plasmids in a Nosocomial Outbreak Using Optical DNA Mapping. <i>ACS Infectious Diseases</i> , 2016, 2, 322-328.	1.8	34
7	Optical DNA Mapping Combined with Cas9-Targeted Resistance Gene Identification for Rapid Tracking of Resistance Plasmids in a Neonatal Intensive Care Unit Outbreak. <i>MBio</i> , 2019, 10, .	1.8	23
8	The resistomes of six carbapenem-resistant pathogens – a critical genotype–phenotype analysis. <i>Microbial Genomics</i> , 2018, 4, .	1.0	18
9	Enzyme-free optical DNA mapping of the human genome using competitive binding. <i>Nucleic Acids Research</i> , 2019, 47, e89-e89.	6.5	17
10	Interspecies plasmid transfer appears rare in sequential infections with extended-spectrum β -lactamase (ESBL)-producing Enterobacteriaceae. <i>Diagnostic Microbiology and Infectious Disease</i> , 2019, 93, 380-385.	0.8	17
11	Facilitated sequence assembly using densely labeled optical DNA barcodes: A combinatorial auction approach. <i>PLoS ONE</i> , 2018, 13, e0193900.	1.1	15
12	Cultivation-Free Typing of Bacteria Using Optical DNA Mapping. <i>ACS Infectious Diseases</i> , 2020, 6, 1076-1084.	1.8	14
13	Noise reduction in single time frame optical DNA maps. <i>PLoS ONE</i> , 2017, 12, e0179041.	1.1	3
14	Detection of structural variations in densely-labelled optical DNA barcodes: A hidden Markov model approach. <i>PLoS ONE</i> , 2021, 16, e0259670.	1.1	1