

Nathan A Tanner

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

2,212
citations

430874

18
h-index

395702

33
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36
all docs

36
docs citations

36
times ranked

2842
citing authors

#	ARTICLE	IF	CITATIONS
1	Profiling RT-LAMP tolerance of sequence variation for SARS-CoV-2 RNA detection. PLoS ONE, 2022, 17, e0259610.	2.5	14
2	Improving RT-LAMP detection of SARS-CoV-2 RNA through primer set selection and combination. PLoS ONE, 2022, 17, e0254324.	2.5	8
3	Development and implementation of a simple and rapid extraction-free saliva SARS-CoV-2 RT-LAMP workflow for workplace surveillance. PLoS ONE, 2022, 17, e0268692.	2.5	11
4	Optimization of novel loop-mediated isothermal amplification with colorimetric image analysis for forensic body fluid identification. Journal of Forensic Sciences, 2021, 66, 1033-1041.	1.6	12
5	Development of multiplexed reverse-transcription loop-mediated isothermal amplification for detection of SARS-CoV-2 and influenza viral RNA. BioTechniques, 2021, 70, 167-174.	1.8	31
6	Profiling Thermus thermophilus Argonaute Guide DNA Sequence Preferences by Functional Screening. Frontiers in Molecular Biosciences, 2021, 8, 670940.	3.5	8
7	Clinical Assessment and Validation of a Rapid and Sensitive SARS-CoV-2 Test Using Reverse Transcription Loop-Mediated Isothermal Amplification Without the Need for RNA Extraction. Open Forum Infectious Diseases, 2021, 8, ofaa631.	0.9	36
8	Improving Performance of a SARS-CoV-2 RT-LAMP Assay for Use With a Portable Isothermal Fluorimeter: Towards a Point-of-Care Molecular Testing Strategy. Journal of Biomolecular Techniques, 2021, 32, 180-185.	1.5	7
9	Loop-Mediated Isothermal Amplification Detection of SARS-CoV-2 and Myriad Other Applications. Journal of Biomolecular Techniques, 2021, 32, 228-275.	1.5	28
10	Comparative Evaluation and Quantitative Analysis of Loop-Mediated Isothermal Amplification Indicators. Analytical Chemistry, 2020, 92, 13343-13353.	6.5	54
11	Enhancing colorimetric loop-mediated isothermal amplification speed and sensitivity with guanidine chloride. BioTechniques, 2020, 69, 178-185.	1.8	160
12	Nucleic acid detection aboard the International Space Station by colorimetric loop-mediated isothermal amplification (LAMP). FASEB BioAdvances, 2020, 2, 160-165.	2.4	16
13	Rapid SARS-CoV-2 testing in primary material based on a novel multiplex RT-LAMP assay. PLoS ONE, 2020, 15, e0238612.	2.5	58
14	Single-stranded binding proteins and helicase enhance the activity of prokaryotic argonautes in vitro. PLoS ONE, 2018, 13, e0203073.	2.5	20
15	Base modifications affecting RNA polymerase and reverse transcriptase fidelity. Nucleic Acids Research, 2018, 46, 5753-5763.	14.5	91
16	Isothermal Amplification of Long, Discrete DNA Fragments Facilitated by Single-Stranded Binding Protein. Scientific Reports, 2017, 7, 8497.	3.3	19
17	Colorimetric tests for diagnosis of filarial infection and vector surveillance using non-instrumented nucleic acid loop-mediated isothermal amplification (NINA-LAMP). PLoS ONE, 2017, 12, e0169011.	2.5	73
18	Rapid colorimetric detection of Zika virus from serum and urine specimens by reverse transcription loop-mediated isothermal amplification (RT-LAMP). PLoS ONE, 2017, 12, e0185340.	2.5	85

#	ARTICLE	IF	CITATIONS
19	High-temperature single-molecule kinetic analysis of thermophilic archaeal MCM helicases. <i>Nucleic Acids Research</i> , 2016, 44, 8764-8771.	14.5	9
20	Comparison of a new visual isothermal nucleic acid amplification test with PCR and skin snip analysis for diagnosis of onchocerciasis in humans. <i>Molecular and Biochemical Parasitology</i> , 2016, 210, 10-12.	1.1	27
21	Visual detection of isothermal nucleic acid amplification using pH-sensitive dyes. <i>BioTechniques</i> , 2015, 58, 59-68.	1.8	458
22	Genome Filtering for New DNA Biomarkers of <i>Loa loa</i> Infection Suitable for Loop-Mediated Isothermal Amplification. <i>PLoS ONE</i> , 2015, 10, e0139286.	2.5	16
23	Diagnosis of Brugian Filariasis by Loop-Mediated Isothermal Amplification. <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1948.	3.0	49
24	Simultaneous multiple target detection in real-time loop-mediated isothermal amplification. <i>BioTechniques</i> , 2012, 53, 81-89.	1.8	203
25	<i>E. coli</i> DNA replication in the absence of free τ^2 clamps. <i>EMBO Journal</i> , 2011, 30, 1830-1840.	7.8	42
26	A single molecule DNA flow stretching microscope for undergraduates. <i>American Journal of Physics</i> , 2011, 79, 1112-1120.	0.7	5
27	Visualizing DNA Replication at the Single-Molecule Level. <i>Methods in Enzymology</i> , 2010, 475, 259-278.	1.0	36
28	Real-time single-molecule observation of rolling-circle DNA replication. <i>Nucleic Acids Research</i> , 2009, 37, e27-e27.	14.5	102
29	Visualizing Single-molecule DNA Replication with Fluorescence Microscopy. <i>Journal of Visualized Experiments</i> , 2009, , .	0.3	4
30	Single-Molecule Observation of Prokaryotic DNA Replication. <i>Methods in Molecular Biology</i> , 2009, 521, 397-410.	0.9	18
31	Single-molecule studies of fork dynamics in <i>Escherichia coli</i> DNA replication. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 170-176.	8.2	136
32	Dynamic DNA Helicase-DNA Polymerase Interactions Assure Processive Replication Fork Movement. <i>Molecular Cell</i> , 2007, 27, 539-549.	9.7	108