

David S Boyle

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,871
citations

623734

14
h-index

677142

22
g-index

27
all docs

27
docs citations

27
times ranked

2943
citing authors

#	ARTICLE	IF	CITATIONS
1	Point-of-care nucleic acid testing for infectious diseases. <i>Trends in Biotechnology</i> , 2011, 29, 240-250.	9.3	688
2	SARS-CoV-2 Coronavirus Nucleocapsid Antigen-Detecting Half-Strip Lateral Flow Assay Toward the Development of Point of Care Tests Using Commercially Available Reagents. <i>Analytical Chemistry</i> , 2020, 92, 11305-11309.	6.5	272
3	Rapid Detection of HIV-1 Proviral DNA for Early Infant Diagnosis Using Recombinase Polymerase Amplification. <i>MBio</i> , 2013, 4, .	4.1	224
4	Factors influencing Recombinase polymerase amplification (RPA) assay outcomes at point of care. <i>Molecular and Cellular Probes</i> , 2016, 30, 74-78.	2.1	148
5	Non-Instrumented Incubation of a Recombinase Polymerase Amplification Assay for the Rapid and Sensitive Detection of Proviral HIV-1 DNA. <i>PLoS ONE</i> , 2014, 9, e108189.	2.5	124
6	Emerging technologies for point-of-care CD4 T-lymphocyte counting. <i>Trends in Biotechnology</i> , 2012, 30, 45-54.	9.3	97
7	Evaluation of Secondary Concentration Methods for Poliovirus Detection in Wastewater. <i>Food and Environmental Virology</i> , 2019, 11, 20-31.	3.4	41
8	Cross-subtype detection of HIV-1 using reverse transcription and recombinase polymerase amplification. <i>Journal of Virological Methods</i> , 2016, 230, 28-35.	2.1	36
9	Simultaneous Quantification of <i>Plasmodium</i> Antigens and Host Factor C-Reactive Protein in Asymptomatic Individuals with Confirmed Malaria by Use of a Novel Multiplex Immunoassay. <i>Journal of Clinical Microbiology</i> , 2019, 57, .	3.9	31
10	Rapid Identification of Mycobacteria and Drug-Resistant Mycobacterium tuberculosis by Use of a Single Multiplex PCR and DNA Sequencing. <i>Journal of Clinical Microbiology</i> , 2012, 50, 326-336.	3.9	30
11	Assessment of eight nucleic acid amplification technologies for potential use to detect infectious agents in low-resource settings. <i>PLoS ONE</i> , 2019, 14, e0215756.	2.5	26
12	Simultaneous assessment of iodine, iron, vitamin A, malarial antigenemia, and inflammation status biomarkers via a multiplex immunoassay method on a population of pregnant women from Niger. <i>PLoS ONE</i> , 2017, 12, e0185868.	2.5	25
13	Improvement of the Bag-Mediated Filtration System for Sampling Wastewater and Wastewater-Impacted Waters. <i>Food and Environmental Virology</i> , 2018, 10, 72-82.	3.4	22
14	A Multiplex Immunoassay Method for Simultaneous Quantification of Iron, Vitamin A and Inflammation Status Markers. <i>PLoS ONE</i> , 2014, 9, e115164.	2.5	19
15	Antibody Screening Results for Anti-Nucleocapsid Antibodies Toward the Development of a Lateral Flow Assay to Detect SARS-CoV-2 Nucleocapsid Protein. <i>ACS Omega</i> , 2021, 6, 25116-25123.	3.5	15
16	Validation of the Micronutrient and Environmental Enteric Dysfunction Assessment Tool and evaluation of biomarker risk factors for growth faltering and vaccine failure in young Malian children. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008711.	3.0	14
17	Measurement of micronutrient deficiency associated biomarkers in dried blood spots using a multiplexed immunoarray. <i>PLoS ONE</i> , 2019, 14, e0210212.	2.5	13
18	Use of Preservative Agents and Antibiotics for Increased Poliovirus Survival on Positively Charged Filters. <i>Food and Environmental Virology</i> , 2017, 9, 383-394.	3.4	12

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19	Performance and workflow assessment of six nucleic acid extraction technologies for use in resource limited settings. PLoS ONE, 2019, 14, e0215753.	2.5	10
20	Screening Antibodies Raised against the Spike Glycoprotein of SARS-CoV-2 to Support the Development of Rapid Antigen Assays. ACS Omega, 2021, 6, 20139-20148.	3.5	8
21	Performance of anterior nares and tongue swabs for nucleic acid, Nucleocapsid, and Spike antigen testing for detecting SARS-CoV-2 against nasopharyngeal PCR and viral culture. International Journal of Infectious Diseases, 2022, 117, 287-294.	3.3	7
22	A multicenter analytical performance evaluation of a multiplexed immunoarray for the simultaneous measurement of biomarkers of micronutrient deficiency, inflammation and malarial antigenemia. PLoS ONE, 2021, 16, e0259509.	2.5	3
23	Method Development for Enteric Virus Recovery from Primary Sludge. Viruses, 2021, 13, 440.	3.3	1
24	HIV pre-exposure prophylaxis adherence test using reverse transcription isothermal amplification inhibition assay. Analytical Methods, 2022, 14, 1361-1370.	2.7	0