

# 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	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. <i>International Journal of Infectious Diseases</i> , 2022, 117, 287-294.	3.3	7
2	HIV pre-exposure prophylaxis adherence test using reverse transcription isothermal amplification inhibition assay. <i>Analytical Methods</i> , 2022, 14, 1361-1370.	2.7	0
3	Method Development for Enteric Virus Recovery from Primary Sludge. <i>Viruses</i> , 2021, 13, 440.	3.3	1
4	Screening Antibodies Raised against the Spike Glycoprotein of SARS-CoV-2 to Support the Development of Rapid Antigen Assays. <i>ACS Omega</i> , 2021, 6, 20139-20148.	3.5	8
5	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
6	A multicenter analytical performance evaluation of a multiplexed immunoarray for the simultaneous measurement of biomarkers of micronutrient deficiency, inflammation and malarial antigenemia. <i>PLoS ONE</i> , 2021, 16, e0259509.	2.5	3
7	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
8	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
9	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
10	Performance and workflow assessment of six nucleic acid extraction technologies for use in resource limited settings. <i>PLoS ONE</i> , 2019, 14, e0215753.	2.5	10
11	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
12	Evaluation of Secondary Concentration Methods for Poliovirus Detection in Wastewater. <i>Food and Environmental Virology</i> , 2019, 11, 20-31.	3.4	41
13	Measurement of micronutrient deficiency associated biomarkers in dried blood spots using a multiplexed immunoarray. <i>PLoS ONE</i> , 2019, 14, e0210212.	2.5	13
14	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
15	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
16	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
17	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
18	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

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19	Non-Instrumented Incubation of a Recombinase Polymerase Amplification Assay for the Rapid and Sensitive Detection of Proviral HIV-1 DNA. PLoS ONE, 2014, 9, e108189.	2.5	124
20	A Multiplex Immunoassay Method for Simultaneous Quantification of Iron, Vitamin A and Inflammation Status Markers. PLoS ONE, 2014, 9, e115164.	2.5	19
21	Rapid Detection of HIV-1 Proviral DNA for Early Infant Diagnosis Using Recombinase Polymerase Amplification. MBio, 2013, 4, .	4.1	224
22	Rapid Identification of Mycobacteria and Drug-Resistant Mycobacterium tuberculosis by Use of a Single Multiplex PCR and DNA Sequencing. Journal of Clinical Microbiology, 2012, 50, 326-336.	3.9	30
23	Emerging technologies for point-of-care CD4 T-lymphocyte counting. Trends in Biotechnology, 2012, 30, 45-54.	9.3	97
24	Point-of-care nucleic acid testing for infectious diseases. Trends in Biotechnology, 2011, 29, 240-250.	9.3	688