

# Micah T Mcclain

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1453452/publications.pdf>

Version: 2024-02-01

48  
papers

1,572  
citations

430754

18  
h-index

330025

37  
g-index

52  
all docs

52  
docs citations

52  
times ranked

2695  
citing authors

#	ARTICLE	IF	CITATIONS
1	Host gene expression classifiers diagnose acute respiratory illness etiology. <i>Science Translational Medicine</i> , 2016, 8, 322ra11.	5.8	202
2	Temporal Dynamics of Host Molecular Responses Differentiate Symptomatic and Asymptomatic Influenza A Infection. <i>PLoS Genetics</i> , 2011, 7, e1002234.	1.5	173
3	A Host Transcriptional Signature for Presymptomatic Detection of Infection in Humans Exposed to Influenza H1N1 or H3N2. <i>PLoS ONE</i> , 2013, 8, e52198.	1.1	157
4	A Host-Based RT-PCR Gene Expression Signature to Identify Acute Respiratory Viral Infection. <i>Science Translational Medicine</i> , 2013, 5, 203ra126.	5.8	133
5	Deep Sequencing of Influenza A Virus from a Human Challenge Study Reveals a Selective Bottleneck and Only Limited Intra-host Genetic Diversification. <i>Journal of Virology</i> , 2016, 90, 11247-11258.	1.5	97
6	Dysregulated transcriptional responses to SARS-CoV-2 in the periphery. <i>Nature Communications</i> , 2021, 12, 1079.	5.8	81
7	An integrated transcriptome and expressed variant analysis of sepsis survival and death. <i>Genome Medicine</i> , 2014, 6, 111.	3.6	70
8	Host-Based Peripheral Blood Gene Expression Analysis for Diagnosis of Infectious Diseases. <i>Journal of Clinical Microbiology</i> , 2017, 55, 360-368.	1.8	65
9	Longitudinal analysis of leukocyte differentials in peripheral blood of patients with acute respiratory viral infections. <i>Journal of Clinical Virology</i> , 2013, 58, 689-695.	1.6	63
10	A response adaptive randomization platform trial for efficient evaluation of Ebola virus treatments: A model for pandemic response. <i>Clinical Trials</i> , 2016, 13, 22-30.	0.7	50
11	Asymptomatic or mild symptomatic SARS-CoV-2 infection elicits durable neutralizing antibody responses in children and adolescents. <i>JCI Insight</i> , 2021, 6, .	2.3	45
12	An atlas connecting shared genetic architecture of human diseases and molecular phenotypes provides insight into COVID-19 susceptibility. <i>Genome Medicine</i> , 2021, 13, 83.	3.6	40
13	Discriminating Bacterial and Viral Infection Using a Rapid Host Gene Expression Test*. <i>Critical Care Medicine</i> , 2021, 49, 1651-1663.	0.4	39
14	A blood-based host gene expression assay for early detection of respiratory viral infection: an index-cluster prospective cohort study. <i>Lancet Infectious Diseases</i> , The, 2021, 21, 396-404.	4.6	34
15	A Genomic Signature of Influenza Infection Shows Potential for Presymptomatic Detection, Guiding Early Therapy, and Monitoring Clinical Responses. <i>Open Forum Infectious Diseases</i> , 2016, 3, ofw007.	0.4	30
16	Assessment of the Feasibility of Using Noninvasive Wearable Biometric Monitoring Sensors to Detect Influenza and the Common Cold Before Symptom Onset. <i>JAMA Network Open</i> , 2021, 4, e2128534.	2.8	25
17	Mucosal-associated invariant T $\alpha$ cell responses differ by sex in COVID-19. <i>Med</i> , 2021, 2, 755-772.e5.	2.2	24
18	An observer blinded, randomized, placebo-controlled, phase I dose escalation trial to evaluate the safety and immunogenicity of an inactivated West Nile virus Vaccine, HydroVax-001, in healthy adults. <i>Vaccine</i> , 2019, 37, 4222-4230.	1.7	20

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19	Systematic comparison of published host gene expression signatures for bacterial/viral discrimination. <i>Genome Medicine</i> , 2022, 14, 18.	3.6	19
20	Nasopharyngeal Protein Biomarkers of Acute Respiratory Virus Infection. <i>EBioMedicine</i> , 2017, 17, 172-181.	2.7	17
21	A miRNA Host Response Signature Accurately Discriminates Acute Respiratory Infection Etiologies. <i>Frontiers in Microbiology</i> , 2018, 9, 2957.	1.5	14
22	A crowdsourced analysis to identify ab initio molecular signatures predictive of susceptibility to viral infection. <i>Nature Communications</i> , 2018, 9, 4418.	5.8	14
23	Validation of a Host Gene Expression Test for Bacterial/Viral Discrimination in Immunocompromised Hosts. <i>Clinical Infectious Diseases</i> , 2021, 73, 605-613.	2.9	14
24	Prospective Validation of a Rapid Host Gene Expression Test to Discriminate Bacterial From Viral Respiratory Infection. <i>JAMA Network Open</i> , 2022, 5, e227299.	2.8	14
25	The Host Response to Viral Infections Reveals Common and Virus-Specific Signatures in the Peripheral Blood. <i>Frontiers in Immunology</i> , 2021, 12, 741837.	2.2	13
26	Transcriptomic Analysis of the Host Response and Innate Resilience to Enterotoxigenic <i>Escherichia coli</i> Infection in Humans. <i>Journal of Infectious Diseases</i> , 2016, 213, 1495-1504.	1.9	11
27	The host transcriptional response to Candidemia is dominated by neutrophil activation and heme biosynthesis and supports novel diagnostic approaches. <i>Genome Medicine</i> , 2021, 13, 108.	3.6	10
28	Moving Toward Prime Time: Host Signatures for Diagnosis of Respiratory Infections. <i>Journal of Infectious Diseases</i> , 2015, 212, 173-175.	1.9	8
29	Rapid, Sample-to-Answer Host Gene Expression Test to Diagnose Viral Infection. <i>Open Forum Infectious Diseases</i> , 2019, 6, ofz466.	0.4	8
30	2012. FilmArray <sup>®</sup> Measurement of Host Response Signatures Rapidly Discriminates Viral, Bacterial, and Non-infectious Etiologies of Illness. <i>Open Forum Infectious Diseases</i> , 2018, 5, S586-S586.	0.4	6
31	A transcriptional signature accurately identifies <i>Aspergillus</i> Infection across healthy and immunosuppressed states. <i>Translational Research</i> , 2020, 219, 1-12.	2.2	6
32	Wearable Sensor-Based Detection of Influenza in Presymptomatic and Asymptomatic Individuals. <i>Journal of Infectious Diseases</i> , 2023, 227, 864-872.	1.9	6
33	Surveillance for Spotted Fever Group Rickettsial Infections: Problems, Pitfalls, and Potential Solutions. <i>Journal of Infectious Diseases</i> , 2019, 221, 1238-1240.	1.9	5
34	Utility of predictive tools for risk stratification of elderly individuals with all-cause acute respiratory infection. <i>Infection</i> , 2019, 47, 617-627.	2.3	5
35	Previously Derived Host Gene Expression Classifiers Identify Bacterial and Viral Etiologies of Acute Febrile Respiratory Illness in a South Asian Population. <i>Open Forum Infectious Diseases</i> , 2020, 7, ofaa194.	0.4	5
36	A comparison of host response strategies to distinguish bacterial and viral infection. <i>PLoS ONE</i> , 2021, 16, e0261385.	1.1	3

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37	Comparing the Diagnostic Accuracy of Clinician Judgement to a Novel Host Response Diagnostic for Acute Respiratory Illness. <i>Open Forum Infectious Diseases</i> , 2021, 8, ofab564.	0.4	2
38	Transcriptional Profiles Elucidate Differential Host Responses to Infection with <i>Cryptococcus neoformans</i> and <i>Cryptococcus gattii</i> . <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 430.	1.5	2
39	Response. <i>Clinical Trials</i> , 2016, 13, 568-569.	0.7	1
40	2014. TLDA Validation of a Host Response Signature to Discriminate Bacterial, Viral, and Non-infectious Causes of Illness. <i>Open Forum Infectious Diseases</i> , 2018, 5, S587-S587.	0.4	1
41	2885. A Host Transcriptional Signature for Accurate Diagnosis of Candidemia in the Hospital Setting. <i>Open Forum Infectious Diseases</i> , 2019, 6, S76-S76.	0.4	1
42	Identification of Host-Derived Biomarker Signatures in Cryptococcal Infection. <i>Open Forum Infectious Diseases</i> , 2016, 3, .	0.4	0
43	2015. Host Gene Expression Identifies Infectious Triggers of Asthma Exacerbation. <i>Open Forum Infectious Diseases</i> , 2018, 5, S587-S587.	0.4	0
44	725. Clinical Outcomes of Elderly Individuals Presenting with Acute Respiratory Infections. <i>Open Forum Infectious Diseases</i> , 2018, 5, S260-S260.	0.4	0
45	2019. Host Gene Expression Signatures for Diagnosis of Acute Respiratory Infections in the Elderly. <i>Open Forum Infectious Diseases</i> , 2018, 5, S588-S588.	0.4	0
46	1330. Evaluation of Multiple Host Response-Based Strategies to Classify Acute Respiratory Illness. <i>Open Forum Infectious Diseases</i> , 2019, 6, S481-S481.	0.4	0
47	1721. A Transcriptional Signature of Acute <i>Aspergillus</i> Infection Offers High Diagnostic Accuracy Despite the Presence of Immunosuppression. <i>Open Forum Infectious Diseases</i> , 2019, 6, S630-S631.	0.4	0
48	2595. Murine Models for the Host Response to Typical and Atypical Pneumonia. <i>Open Forum Infectious Diseases</i> , 2019, 6, S902-S902.	0.4	0