Micah T Mcclain

List of Publications by Year
in descending order

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Version: 2024-02-01

48 papers	1,572 citations	430874 18 h-index	330143 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. Science Translational Medicine, 2016, 8, 322ra11.	12.4	202
2	Temporal Dynamics of Host Molecular Responses Differentiate Symptomatic and Asymptomatic Influenza A Infection. PLoS Genetics, 2011, 7, e1002234.	3.5	173
3	A Host Transcriptional Signature for Presymptomatic Detection of Infection in Humans Exposed to Influenza H1N1 or H3N2. PLoS ONE, 2013, 8, e52198.	2.5	157
4	A Host-Based RT-PCR Gene Expression Signature to Identify Acute Respiratory Viral Infection. Science Translational Medicine, 2013, 5, 203ra126.	12.4	133
5	Deep Sequencing of Influenza A Virus from a Human Challenge Study Reveals a Selective Bottleneck and Only Limited Intrahost Genetic Diversification. Journal of Virology, 2016, 90, 11247-11258.	3.4	97
6	Dysregulated transcriptional responses to SARS-CoV-2 in the periphery. Nature Communications, 2021, 12, 1079.	12.8	81
7	An integrated transcriptome and expressed variant analysis of sepsis survival and death. Genome Medicine, 2014, 6, 111.	8.2	70
8	Host-Based Peripheral Blood Gene Expression Analysis for Diagnosis of Infectious Diseases. Journal of Clinical Microbiology, 2017, 55, 360-368.	3.9	65
9	Longitudinal analysis of leukocyte differentials in peripheral blood of patients with acute respiratory viral infections. Journal of Clinical Virology, 2013, 58, 689-695.	3.1	63
10	A response adaptive randomization platform trial for efficient evaluation of Ebola virus treatments: A model for pandemic response. Clinical Trials, 2016, 13, 22-30.	1.6	50
11	Asymptomatic or mild symptomatic SARS-CoV-2 infection elicits durable neutralizing antibody responses in children and adolescents. JCI Insight, 2021, 6, .	5.0	45
12	An atlas connecting shared genetic architecture of human diseases and molecular phenotypes provides insight into COVID-19 susceptibility. Genome Medicine, 2021, 13, 83.	8.2	40
13	Discriminating Bacterial and Viral Infection Using a Rapid Host Gene Expression Test*. Critical Care Medicine, 2021, 49, 1651-1663.	0.9	39
14	A blood-based host gene expression assay for early detection of respiratory viral infection: an index-cluster prospective cohort study. Lancet Infectious Diseases, The, 2021, 21, 396-404.	9.1	34
15	A Genomic Signature of Influenza Infection Shows Potential for Presymptomatic Detection, Guiding Early Therapy, and Monitoring Clinical Responses. Open Forum Infectious Diseases, 2016, 3, ofw007.	0.9	30
16	Assessment of the Feasibility of Using Noninvasive Wearable Biometric Monitoring Sensors to Detect Influenza and the Common Cold Before Symptom Onset. JAMA Network Open, 2021, 4, e2128534.	5.9	25
17	Mucosal-associated invariant TÂcell responses differ by sex in COVID-19. Med, 2021, 2, 755-772.e5.	4.4	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. Vaccine, 2019, 37, 4222-4230.	3.8	20

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19	Systematic comparison of published host gene expression signatures for bacterial/viral discrimination. Genome Medicine, 2022, 14, 18.	8.2	19
20	Nasopharyngeal Protein Biomarkers of Acute Respiratory Virus Infection. EBioMedicine, 2017, 17, 172-181.	6.1	17
21	A miRNA Host Response Signature Accurately Discriminates Acute Respiratory Infection Etiologies. Frontiers in Microbiology, 2018, 9, 2957.	3.5	14
22	A crowdsourced analysis to identify ab initio molecular signatures predictive of susceptibility to viral infection. Nature Communications, 2018, 9, 4418.	12.8	14
23	Validation of a Host Gene Expression Test for Bacterial/Viral Discrimination in Immunocompromised Hosts. Clinical Infectious Diseases, 2021, 73, 605-613.	5.8	14
24	Prospective Validation of a Rapid Host Gene Expression Test to Discriminate Bacterial From Viral Respiratory Infection. JAMA Network Open, 2022, 5, e227299.	5.9	14
25	The Host Response to Viral Infections Reveals Common and Virus-Specific Signatures in the Peripheral Blood. Frontiers in Immunology, 2021, 12, 741837.	4.8	13
26	Transcriptomic Analysis of the Host Response and Innate Resilience to EnterotoxigenicEscherichia coliInfection in Humans. Journal of Infectious Diseases, 2016, 213, 1495-1504.	4.0	11
27	The host transcriptional response to Candidemia is dominated by neutrophil activation and heme biosynthesis and supports novel diagnostic approaches. Genome Medicine, 2021, 13, 108.	8.2	10
28	Moving Toward Prime Time: Host Signatures for Diagnosis of Respiratory Infections. Journal of Infectious Diseases, 2015, 212, 173-175.	4.0	8
29	Rapid, Sample-to-Answer Host Gene Expression Test to Diagnose Viral Infection. Open Forum Infectious Diseases, 2019, 6, ofz466.	0.9	8
30	2012. FilmArrayÂ® Measurement of Host Response Signatures RapidLy Discriminates Viral, Bacterial, and Non-infectious Etiologies of Illness. Open Forum Infectious Diseases, 2018, 5, S586-S586.	0.9	6
31	A transcriptional signature accurately identifies Aspergillus Infection across healthy and immunosuppressed states. Translational Research, 2020, 219, 1-12.	5.0	6
32	Wearable Sensor-Based Detection of Influenza in Presymptomatic and Asymptomatic Individuals. Journal of Infectious Diseases, 2023, 227, 864-872.	4.0	6
33	Surveillance for Spotted Fever Group Rickettsial Infections: Problems, Pitfalls, and Potential Solutions. Journal of Infectious Diseases, 2019, 221, 1238-1240.	4.0	5
34	Utility of predictive tools for risk stratification of elderly individuals with all-cause acute respiratory infection. Infection, 2019, 47, 617-627.	4.7	5
35	Previously Derived Host Gene Expression Classifiers Identify Bacterial and Viral Etiologies of Acute Febrile Respiratory Illness in a South Asian Population. Open Forum Infectious Diseases, 2020, 7, ofaa194.	0.9	5
36	A comparison of host response strategies to distinguish bacterial and viral infection. PLoS ONE, 2021, 16, e0261385.	2.5	3

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37	Comparing the Diagnostic Accuracy of Clinician Judgement to a Novel Host Response Diagnostic for Acute Respiratory Illness. Open Forum Infectious Diseases, 2021, 8, ofab564.	0.9	2
38	Transcriptional Profiles Elucidate Differential Host Responses to Infection with Cryptococcus neoformans and Cryptococcus gattii. Journal of Fungi (Basel, Switzerland), 2022, 8, 430.	3.5	2
39	Response. Clinical Trials, 2016, 13, 568-569.	1.6	1
40	2014. TLDA Validation of a Host Response Signature to Discriminate Bacterial, Viral, and Non-infectious Causes of Illness. Open Forum Infectious Diseases, 2018, 5, S587-S587.	0.9	1
41	2885. A Host Transcriptional Signature for Accurate Diagnosis of Candidemia in the Hospital Setting. Open Forum Infectious Diseases, 2019, 6, S76-S76.	0.9	1
42	Identification of Host-Derived Biomarker Signatures in Cryptococcal Infection. Open Forum Infectious Diseases, 2016, 3, .	0.9	0
43	2015. Host Gene Expression Identifies Infectious Triggers of Asthma Exacerbation. Open Forum Infectious Diseases, 2018, 5, S587-S587.	0.9	0
44	725. Clinical Outcomes of Elderly Individuals Presenting with Acute Respiratory Infections. Open Forum Infectious Diseases, 2018, 5, S260-S260.	0.9	0
45	2019. Host Gene Expression Signatures for Diagnosis of Acute Respiratory Infections in the Elderly. Open Forum Infectious Diseases, 2018, 5, S588-S588.	0.9	0
46	1330. Evaluation of Multiple Host Response-Based Strategies to Classify Acute Respiratory Illness. Open Forum Infectious Diseases, 2019, 6, S481-S481.	0.9	0
47	1721. A Transcriptional Signature of Acute Aspergillus Infection Offers High Diagnostic Accuracy Despite the Presence of Immunosuppression. Open Forum Infectious Diseases, 2019, 6, S630-S631.	0.9	0
48	2595. Murine Models for the Host Response to Typical and Atypical Pneumonia. Open Forum Infectious Diseases, 2019, 6, S902-S902.	0.9	0