Ephraim L Tsalik

List of Publications by Year
in descending order

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Version: 2024-02-01

89 papers	3,555 citations	201674 27 h-index	155660 55 g-index
92 all docs	92 docs citations	92 times ranked	5136 citing authors

#	Article	IF	Citations
1	Systematic comparison of published host gene expression signatures for bacterial/viral discrimination. Genome Medicine, 2022, 14, 18.	8.2	19
2	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
3	Leveraging Existing and Soon-to-Be-Available Novel Diagnostics for Optimizing Outpatient Antibiotic Stewardship in Patients With Respiratory Tract Infections. Clinical Infectious Diseases, 2021, 72, e1115-e1121.	5.8	6
4	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
5	Validation of a Host Gene Expression Test for Bacterial/Viral Discrimination in Immunocompromised Hosts. Clinical Infectious Diseases, 2021, 73, 605-613.	5.8	14
6	Antibacterial Resistance Leadership Group 2.0: Back to Business. Clinical Infectious Diseases, 2021, 73, 730-739.	5.8	7
7	Sepsis Subclasses: A Framework for Development and Interpretation*. Critical Care Medicine, 2021, 49, 748-759.	0.9	81
8	Dysregulated transcriptional responses to SARS-CoV-2 in the periphery. Nature Communications, 2021, 12, 1079.	12.8	81
9	Discriminating Bacterial and Viral Infection Using a Rapid Host Gene Expression Test*. Critical Care Medicine, 2021, 49, 1651-1663.	0.9	39
10	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
11	Mucosal-associated invariant TÂcell responses differ by sex in COVID-19. Med, 2021, 2, 755-772.e5.	4.4	24
12	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
13	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
14	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
15	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
16	A comparison of host response strategies to distinguish bacterial and viral infection. PLoS ONE, 2021, 16, e0261385.	2.5	3
17	Simultaneous Evaluation of Diagnostic Assays for Pharyngeal and Rectal Neisseria gonorrhoeae and Chlamydia trachomatis Using a Master Protocol. Clinical Infectious Diseases, 2020, 71, 2314-2322.	5.8	15
18	Average Weighted Accuracy: Pragmatic Analysis for a Rapid Diagnostics in Categorizing Acute Lung Infections (RADICAL) Study. Clinical Infectious Diseases, 2020, 70, 2736-2742.	5.8	12

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19	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
20	Analytical Evaluation of the Abbott RealTime CT/NG Assay for Detection of Chlamydia trachomatis and Neisseria gonorrhoeae in Rectal and Pharyngeal Swabs. Journal of Molecular Diagnostics, 2020, 22, 811-816.	2.8	8
21	1226. Performance of a Host Response Test for Bacterial/Viral Discrimination in Immunocompromised Patients. Open Forum Infectious Diseases, 2020, 7, S633-S634.	0.9	0
22	Host-Based Diagnostics for Acute Respiratory Infections. Clinical Therapeutics, 2019, 41, 1923-1938.	2.5	13
23	A Decade On: Systematic Review of ClinicalTrials.gov Infectious Disease Trials, 2007â€“2017. Open Forum Infectious Diseases, 2019, 6, ofz189.	0.9	10
24	Overview: Genomic and precision medicine for infectious and inflammatory disease. , 2019, , 1-7.		0
25	Direct-from-blood RNA sequencing identifies the cause of post-bronchoscopy fever. BMC Infectious Diseases, 2019, 19, 905.	2.9	6
26	Validation of a host response test to distinguish bacterial and viral respiratory infection. EBioMedicine, 2019, 48, 453-461.	6.1	39
27	Rapid, Sample-to-Answer Host Gene Expression Test to Diagnose Viral Infection. Open Forum Infectious Diseases, 2019, 6, ofz466.	0.9	8
28	Pilot study of myocardial ischemia-induced metabolomic changes in emergency department patients undergoing stress testing. PLoS ONE, 2019, 14, e0211762.	2.5	7
29	A host gene expression approach for identifying triggers of asthma exacerbations. PLoS ONE, 2019, 14, e0214871.	2.5	8
30	2595. Murine Models for the Host Response to Typical and Atypical Pneumonia. Open Forum Infectious Diseases, 2019, 6, S902-S902.	0.9	0
31	A community approach to mortality prediction in sepsis via gene expression analysis. Nature Communications, 2018, 9, 694.	12.8	178
32	New Molecular Diagnostic Approaches to Bacterial Infections and Antibacterial Resistance. Annual Review of Medicine, 2018, 69, 379-394.	12.2	58
33	Unsupervised Analysis of Transcriptomics in Bacterial Sepsis Across Multiple Datasets Reveals Three Robust Clusters. Critical Care Medicine, 2018, 46, 915-925.	0.9	219
34	Future Research Directions in Pneumonia. NHLBI Working Group Report. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 256-263.	5.6	54
35	2015. Host Gene Expression Identifies Infectious Triggers of Asthma Exacerbation. Open Forum Infectious Diseases, 2018, 5, S587-S587.	0.9	0
36	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

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37	Transcriptomic Techniques in Diagnostic Microbiology. , 2018, , 235-259.		0
38	Evaluating the discriminating capacity of cell death (apoptotic) biomarkers in sepsis. Journal of Intensive Care, 2018, 6, 72.	2.9	12
39	A miRNA Host Response Signature Accurately Discriminates Acute Respiratory Infection Etiologies. Frontiers in Microbiology, 2018, 9, 2957.	3.5	14
40	A crowdsourced analysis to identify ab initio molecular signatures predictive of susceptibility to viral infection. Nature Communications, 2018, 9, 4418.	12.8	14
41	Pediatric Antibacterial and Antifungal Trials From 2007 to 2017. Pediatrics, 2018, 142, .	2.1	5
42	The host response as a tool for infectious disease diagnosis and management. Expert Review of Molecular Diagnostics, 2018, 18, 723-738.	3.1	18
43	Host-Based Peripheral Blood Gene Expression Analysis for Diagnosis of Infectious Diseases. Journal of Clinical Microbiology, 2017, 55, 360-368.	3.9	65
44	Human genetic and metabolite variation reveals that methylthioadenosine is a prognostic biomarker and an inflammatory regulator in sepsis. Science Advances, 2017, 3, e1602096.	10.3	46
45	Nasopharyngeal Protein Biomarkers of Acute Respiratory Virus Infection. EBioMedicine, 2017, 17, 172-181.	6.1	17
46	Procalcitonin: The Right Answer but to Which Question?. Clinical Infectious Diseases, 2017, 65, 191-193.	5.8	11
47	Advancing Diagnostics to Address Antibacterial Resistance: The Diagnostics and Devices Committee of the Antibacterial Resistance Leadership Group. Clinical Infectious Diseases, 2017, 64, S41-S47.	5.8	23
48	MASTERMIND: Bringing Microbial Diagnostics to the Clinic. Clinical Infectious Diseases, 2017, 64, 355-360.	5.8	26
49	Candidate genes on murine chromosome 8 are associated with susceptibility to Staphylococcus aureus infection in mice and are involved with Staphylococcus aureus septicemia in humans. PLoS ONE, 2017, 12, e0179033.	2.5	5
50	Host Transcriptomic Signatures for Early Diagnosis of Acute Respiratory Viral Infection in a University-Based Index-Cluster Cohort. Open Forum Infectious Diseases, 2016, 3, .	0.9	0
51	Systematic Molecular Phenotyping: A Path Toward Precision Emergency Medicine?. Academic Emergency Medicine, 2016, 23, 1097-1106.	1.8	15
52	Potential Cost-effectiveness of Early Identification of Hospital-acquired Infection in Critically Ill Patients. Annals of the American Thoracic Society, 2016, 13, 401-413.	3.2	13
53	Host gene expression classifiers diagnose acute respiratory illness etiology. Science Translational Medicine, 2016, 8, 322ra11.	12.4	202
54	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

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55	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
56	Renal systems biology of patients with systemic inflammatory response syndrome. Kidney International, 2015, 88, 804-814.	5.2	38
57	What was old is new again: using the host response to diagnose infectious disease. Expert Review of Molecular Diagnostics, 2015, 15, 1143-1158.	3.1	32
58	Host-Based Diagnostics for Detection and Prognosis of Infectious Diseases. Methods in Microbiology, 2015, , 465-500.	0.8	5
59	Respiratory Tract Infection Clinical Trials from 2007 to 2012. A Systematic Review of ClinicalTrials.gov. Annals of the American Thoracic Society, 2015, 12, 1852-1863.	3.2	18
60	Moving Toward Prime Time: Host Signatures for Diagnosis of Respiratory Infections. Journal of Infectious Diseases, 2015, 212, 173-175.	4.0	8
61	Fear as a Cardiovascular Risk Factor. Science Translational Medicine, 2015, 7, .	12.4	2
62	Seq and the city. Science Translational Medicine, 2015, 7, .	12.4	0
63	Beauty is only skin deep. Science Translational Medicine, 2015, 7, .	12.4	0
64	An integrated transcriptome and expressed variant analysis of sepsis survival and death. Genome Medicine, 2014, 6, 111.	8.2	70
65	Dusp3 and Psme3 Are Associated with Murine Susceptibility to Staphylococcus aureus Infection and Human Sepsis. PLoS Pathogens, 2014, 10, e1004149.	4.7	28
66	A cross-sectional analysis of HIV and hepatitis C clinical trials 2007 to 2010: the relationship between industry sponsorship and randomized study design. Trials, 2014, 15, 31.	1.6	6
67	The current epidemiology and clinical decisions surrounding acute respiratory infections. Trends in Molecular Medicine, 2014, 20, 579-588.	6.7	50
68	Integrative â€œOmicâ€•Analysis of Experimental Bacteremia Identifies a Metabolic Signature That Distinguishes Human Sepsis from Systemic Inflammatory Response Syndromes. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 445-455.	5.6	100
69	The Sum of Oneâ€™s Parts? What Our Microbiomes Say About Us. Science Translational Medicine, 2014, 6, .	12.4	0
70	Antimicrobial Drug Resistance in All Four Corners of the Earth. Science Translational Medicine, 2014, 6, .	12.4	1
71	All Systems Point to TREML4. Science Translational Medicine, 2014, 6, .	12.4	0
72	The Microbial Origins of Obesity. Science Translational Medicine, 2014, 6, .	12.4	0

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73	Sequence-Specific Antibiotics. Science Translational Medicine, 2014, 6, .	12.4	0
74	Crowdsourcing Disease Prognosis. Science Translational Medicine, 2014, 6, .	12.4	0
75	A Host-Based RT-PCR Gene Expression Signature to Identify Acute Respiratory Viral Infection. Science Translational Medicine, 2013, 5, 203ra126.	12.4	133
76	An Integrated Clinico-Metabolomic Model Improves Prediction of Death in Sepsis. Science Translational Medicine, 2013, 5, 195ra95.	12.4	380
77	Gene Expression-Based Classifiers Identify Staphylococcus aureus Infection in Mice and Humans. PLoS ONE, 2013, 8, e48979.	2.5	50
78	The State of Infectious Diseases Clinical Trials: A Systematic Review of ClinicalTrials.gov. PLoS ONE, 2013, 8, e77086.	2.5	30
79	Discriminative Value of Inflammatory Biomarkers for Suspected Sepsis. Journal of Emergency Medicine, 2012, 43, 97-106.	0.7	128
80	An Infection Control Program for a 2009 Influenza A H1N1 Outbreak in a University-Based Summer Camp. Journal of American College Health, 2011, 59, 419-426.	1.5	7
81	Life-Threatening Asymptomatic Incidentaloma: A Case Report of Idiopathic CD4 Lymphocytopenia and Opportunistic Infections. American Journal of the Medical Sciences, 2010, 340, 158-159.	1.1	8
82	Disease Progression in Hemodynamically Stable Patients Presenting to the Emergency Department With Sepsis. Academic Emergency Medicine, 2010, 17, 383-390.	1.8	117
83	Multiplex PCR To Diagnose Bloodstream Infections in Patients Admitted from the Emergency Department with Sepsis. Journal of Clinical Microbiology, 2010, 48, 26-33.	3.9	119
84	Clinical presentation and response to treatment of novel influenza A H1N1 in a university-based summer camp population. Journal of Clinical Virology, 2010, 47, 286-288.	3.1	14
85	Sepsis redefined: the search for surrogate markers. International Journal of Antimicrobial Agents, 2009, 34, S16-S20.	2.5	12
86	DNA-based immunotherapy to treat atopic disease. Annals of Allergy, Asthma and Immunology, 2005, 95, 403-410.	1.0	12
87	Functional mapping of neurons that control locomotory behavior inCaenorhabditis elegans. Journal of Neurobiology, 2003, 56, 178-197.	3.6	357
88	LIM homeobox gene-dependent expression of biogenic amine receptors in restricted regions of the C. elegans nervous system. Developmental Biology, 2003, 263, 81-102.	2.0	215
89	Inference of gene networks associated with the host response to infectious disease. , 0, , 365-390.		0