

Scott J Tebbutt

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

100
papers

2,094
citations

24
h-index

42
g-index

113
ext. papers

2,883
ext. citations

5
avg, IF

4.9
L-index

#	Paper	IF	Citations
100	Interferon- β Treatment for COVID-19. <i>Frontiers in Immunology</i> , 2020 , 11, 1061	8.4	213
99	DIABLO: an integrative approach for identifying key molecular drivers from multi-omics assays. <i>Bioinformatics</i> , 2019 , 35, 3055-3062	7.2	178
98	Dynamic molecular changes during the first week of human life follow a robust developmental trajectory. <i>Nature Communications</i> , 2019 , 10, 1092	17.4	79
97	AllerGen β 8th research conference. <i>Allergy, Asthma and Clinical Immunology</i> , 2016 , 12,	3.2	78
96	Th17/Treg ratio derived using DNA methylation analysis discriminates allergen-induced early from dual asthmatic responses. <i>Allergy, Asthma and Clinical Immunology</i> , 2014 , 10,	3.2	78
95	Uncovering T cell-specific differential expression patterns associated with pollen exposure in individuals with allergic rhinitis. <i>Allergy, Asthma and Clinical Immunology</i> , 2014 , 10,	3.2	78
94	MicroRNA expression in response to controlled exposure to diesel exhaust: attenuation by the antioxidant N-acetylcysteine in a randomized crossover study. <i>Environmental Health Perspectives</i> , 2013 , 121, 670-5	8.4	76
93	Modes of Infant Feeding and the Risk of Childhood Asthma: A Prospective Birth Cohort Study. <i>Journal of Pediatrics</i> , 2017 , 190, 192-199.e2	3.6	69
92	Interactions of <i>Aspergillus fumigatus</i> Conidia with Airway Epithelial Cells: A Critical Review. <i>Frontiers in Microbiology</i> , 2016 , 7, 472	5.7	68
91	Dual organism transcriptomics of airway epithelial cells interacting with conidia of <i>Aspergillus fumigatus</i> . <i>PLoS ONE</i> , 2011 , 6, e20527	3.7	57
90	Controlled diesel exhaust and allergen coexposure modulates microRNA and gene expression in humans: Effects on inflammatory lung markers. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 138, 1690-1700	11.5	55
89	Granzyme B mediates both direct and indirect cleavage of extracellular matrix in skin after chronic low-dose ultraviolet light irradiation. <i>Aging Cell</i> , 2015 , 14, 67-77	9.9	54
88	Variation in RNA-Seq transcriptome profiles of peripheral whole blood from healthy individuals with and without globin depletion. <i>PLoS ONE</i> , 2014 , 9, e91041	3.7	52
87	A Regulatory T-Cell Gene Signature Is a Specific and Sensitive Biomarker to Identify Children With New-Onset Type 1 Diabetes. <i>Diabetes</i> , 2016 , 65, 1031-9	0.9	41
86	Decreased miR-192 expression in peripheral blood of asthmatic individuals undergoing an allergen inhalation challenge. <i>BMC Genomics</i> , 2012 , 13, 655	4.5	39
85	Exosomal miR-142-3p is increased during cardiac allograft rejection and augments vascular permeability through down-regulation of endothelial RAB11FIP2 expression. <i>Cardiovascular Research</i> , 2017 , 113, 440-452	9.9	38
84	Functional genomics of human bronchial epithelial cells directly interacting with conidia of <i>Aspergillus fumigatus</i> . <i>BMC Genomics</i> , 2010 , 11, 358	4.5	38

83	Association of Serum MiR-142-3p and MiR-101-3p Levels with Acute Cellular Rejection after Heart Transplantation. <i>PLoS ONE</i> , 2017 , 12, e0170842	3.7	36
82	BCG vaccination-induced emergency granulopoiesis provides rapid protection from neonatal sepsis. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	35
81	Novel multivariate methods for integration of genomics and proteomics data: applications in a kidney transplant rejection study. <i>OMICS A Journal of Integrative Biology</i> , 2014 , 18, 682-95	3.8	31
80	Systems Biology Approaches for Host-Fungal Interactions: An Expanding Multi-Omics Frontier. <i>OMICS A Journal of Integrative Biology</i> , 2016 , 20, 127-38	3.8	30
79	Discovery of novel plasma protein biomarkers to predict imminent cystic fibrosis pulmonary exacerbations using multiple reaction monitoring mass spectrometry. <i>Thorax</i> , 2016 , 71, 216-22	7.3	29
78	The effect of low and high-intensity cycling in diesel exhaust on flow-mediated dilation, circulating NOx, endothelin-1 and blood pressure. <i>PLoS ONE</i> , 2018 , 13, e0192419	3.7	27
77	Th17/Treg ratio derived using DNA methylation analysis is associated with the late phase asthmatic response. <i>Allergy, Asthma and Clinical Immunology</i> , 2014 , 10, 32	3.2	24
76	Differentiating heart failure phenotypes using sex-specific transcriptomic and proteomic biomarker panels. <i>ESC Heart Failure</i> , 2017 , 4, 301-311	3.7	24
75	Microarray genotyping resource to determine population stratification in genetic association studies of complex disease. <i>BioTechniques</i> , 2004 , 37, 977-85	2.5	24
74	A computational pipeline for the development of multi-marker bio-signature panels and ensemble classifiers. <i>BMC Bioinformatics</i> , 2012 , 13, 326	3.6	22
73	SNP Chart: an integrated platform for visualization and interpretation of microarray genotyping data. <i>Bioinformatics</i> , 2005 , 21, 124-7	7.2	21
72	DIABLO: from multi-omics assays to biomarker discovery, an integrative approach		21
71	Serum proteomics in multiple sclerosis disease progression. <i>Journal of Proteomics</i> , 2015 , 118, 2-11	3.9	20
70	Interferon- α b treatment for COVID-19		20
69	Transcriptomic and proteomic host response to <i>Aspergillus fumigatus</i> conidia in an air-liquid interface model of human bronchial epithelium. <i>PLoS ONE</i> , 2018 , 13, e0209652	3.7	19
68	Two-stage, in silico deconvolution of the lymphocyte compartment of the peripheral whole blood transcriptome in the context of acute kidney allograft rejection. <i>PLoS ONE</i> , 2014 , 9, e95224	3.7	17
67	Peripheral blood gene expression changes during allergen inhalation challenge in atopic asthmatic individuals. <i>Journal of Asthma</i> , 2012 , 49, 219-26	1.9	16
66	COPD Exacerbation Biomarkers Validated Using Multiple Reaction Monitoring Mass Spectrometry. <i>PLoS ONE</i> , 2016 , 11, e0161129	3.7	16

65	Gene-metabolite expression in blood can discriminate allergen-induced isolated early from dual asthmatic responses. <i>PLoS ONE</i> , 2013 , 8, e67907	3.7	15
64	Robust SNP genotyping by multiplex PCR and arrayed primer extension. <i>BMC Medical Genomics</i> , 2008 , 1, 5	3.7	15
63	Dibutyl Phthalate Augments Allergen-induced Lung Function Decline and Alters Human Airway Immunology. A Randomized Crossover Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 672-680	10.2	15
62	Predicting acute cardiac rejection from donor heart and pre-transplant recipient blood gene expression. <i>Journal of Heart and Lung Transplantation</i> , 2013 , 32, 259-65	5.8	14
61	Combined polymorphisms in oxidative stress genes predict coronary artery disease and oxidative stress in coronary angiography patients. <i>Annals of Human Genetics</i> , 2012 , 76, 435-47	2.2	14
60	The Effect of Different Case Definitions of Current Smoking on the Discovery of Smoking-Related Blood Gene Expression Signatures in Chronic Obstructive Pulmonary Disease. <i>Nicotine and Tobacco Research</i> , 2016 , 18, 1903-9	4.9	14
59	Single-nucleotide polymorphisms and lung disease: clinical implications. <i>Chest</i> , 2007 , 131, 1216-23	5.3	11
58	The Effect of Statins on Blood Gene Expression in COPD. <i>PLoS ONE</i> , 2015 , 10, e0140022	3.7	10
57	Proteomic biomarkers of recovered heart function. <i>European Journal of Heart Failure</i> , 2014 , 16, 551-9	12.3	10
56	Plasma proteomics can discriminate isolated early from dual responses in asthmatic individuals undergoing an allergen inhalation challenge. <i>Proteomics - Clinical Applications</i> , 2012 , 6, 476-85	3.1	10
55	White blood cell differentials enrich whole blood expression data in the context of acute cardiac allograft rejection. <i>Bioinformatics and Biology Insights</i> , 2012 , 6, 49-61	5.3	10
54	Treg gene signatures predict and measure type 1 diabetes trajectory. <i>JCI Insight</i> , 2019 , 4,	9.9	10
53	SABRE: a method for assessing the stability of gene modules in complex tissues and subject populations. <i>BMC Bioinformatics</i> , 2016 , 17, 460	3.6	10
52	Whole blood vs PBMC: compartmental differences in gene expression profiling exemplified in asthma. <i>Allergy, Asthma and Clinical Immunology</i> , 2019 , 15, 67	3.2	10
51	Multi-Omic Data Integration Allows Baseline Immune Signatures to Predict Hepatitis B Vaccine Response in a Small Cohort. <i>Frontiers in Immunology</i> , 2020 , 11, 578801	8.4	9
50	Dynamic variable selection in SNP genotype autocalling from APEX microarray data. <i>BMC Bioinformatics</i> , 2006 , 7, 521	3.6	8
49	Deoxynucleotides can replace dideoxynucleotides in minisequencing by arrayed primer extension. <i>BioTechniques</i> , 2006 , 40, 331-8	2.5	8
48	Systems Biology Methods Applied to Blood and Tissue for a Comprehensive Analysis of Immune Response to Hepatitis B Vaccine in Adults. <i>Frontiers in Immunology</i> , 2020 , 11, 580373	8.4	8

47	The association of Leptospermum honey with cytokine expression in the sinonasal epithelium of chronic rhinosinusitis patients. <i>World Journal of Otorhinolaryngology - Head and Neck Surgery</i> , 2019 , 5, 19-25	2.6	8
46	Angiopoietin-like 4 Enhances the Proliferation and Migration of Tendon Fibroblasts. <i>Medicine and Science in Sports and Exercise</i> , 2017 , 49, 1769-1777	1.2	7
45	Enumerateblood - an R package to estimate the cellular composition of whole blood from Affymetrix Gene ST gene expression profiles. <i>BMC Genomics</i> , 2017 , 18, 43	4.5	7
44	Clinical Protocol for a Longitudinal Cohort Study Employing Systems Biology to Identify Markers of Vaccine Immunogenicity in Newborn Infants in The Gambia and Papua New Guinea. <i>Frontiers in Pediatrics</i> , 2020 , 8, 197	3.4	7
43	MACGT: multi-dimensional automated clustering genotyping tool for analysis of microarray-based mini-sequencing data. <i>Bioinformatics</i> , 2006 , 22, 1147-9	7.2	7
42	HEARTBiT: A Transcriptomic Signature for Excluding Acute Cellular Rejection in Adult Heart Allograft Patients. <i>Canadian Journal of Cardiology</i> , 2020 , 36, 1217-1227	3.8	7
41	Circulating biomarker responses to medical management vs. mechanical circulatory support in severe inotrope-dependent acute heart failure. <i>ESC Heart Failure</i> , 2016 , 3, 86-96	3.7	7
40	Phagocytosis of by Human Bronchial Epithelial Cells Is Mediated by the Arp2/3 Complex and WIPF2. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019 , 9, 16	5.9	7
39	Identification of novel blood biomarkers of treatment response in cystic fibrosis pulmonary exacerbations by label-free quantitative proteomics. <i>Scientific Reports</i> , 2019 , 9, 17126	4.9	7
38	Effects of low-intensity and high-intensity cycling with diesel exhaust exposure on soluble P-selectin, E-selectin, I-CAM-1, VCAM-1 and complete blood count. <i>BMJ Open Sport and Exercise Medicine</i> , 2019 , 5, e000625	3.4	6
37	Novel Blood-based Transcriptional Biomarker Panels Predict the Late-Phase Asthmatic Response. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 197, 450-462	10.2	6
36	Diagnosis of Western Red Cedar Asthma Using a Blood-based Gene Expression Biomarker Panel. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 196, 1615-1617	10.2	5
35	Multiple reaction monitoring mass spectrometry to identify novel plasma protein biomarkers of treatment response in cystic fibrosis pulmonary exacerbations. <i>Journal of Cystic Fibrosis</i> , 2018 , 17, 333-340	4.1	5
34	Identifying Molecular Mechanisms of the Late-Phase Asthmatic Response by Integrating Cellular, Gene, and Metabolite Levels in Blood. <i>Annals of the American Thoracic Society</i> , 2016 , 13 Suppl 1, S98	4.7	5
33	Investigating Immune Gene Signatures in Peripheral Blood from Subjects with Allergic Rhinitis Undergoing Nasal Allergen Challenge. <i>Journal of Immunology</i> , 2017 , 199, 3395-3405	5.3	4
32	Proteomic Profiling to Identify Blood Biomarkers Predictive of Response to Azithromycin in Children and Adolescents With Cystic Fibrosis. <i>Chest</i> , 2019 , 156, 667-673	5.3	4
31	Impact of Statins on Gene Expression in Human Lung Tissues. <i>PLoS ONE</i> , 2015 , 10, e0142037	3.7	4
30	Combining multiple PCR primer pairs for each amplicon can improve SNP genotyping accuracy by reducing allelic drop-out. <i>BioTechniques</i> , 2008 , 45, 637-8, 640, 642 passim	2.5	4

29	Longitudinal analysis of whole blood transcriptomes to explore molecular signatures associated with acute renal allograft rejection. <i>Bioinformatics and Biology Insights</i> , 2014 , 8, 17-33	5.3	4
28	Innate Immune Responses and Gut Microbiomes Distinguish HIV-Exposed from HIV-Unexposed Children in a Population-Specific Manner. <i>Journal of Immunology</i> , 2020 , 205, 2618-2628	5.3	4
27	Analytical Validation of HEARTBiT: A Blood-Based Multiplex Gene Expression Profiling Assay for Exclusionary Diagnosis of Acute Cellular Rejection in Heart Transplant Patients. <i>Clinical Chemistry</i> , 2020 , 66, 1063-1071	5.5	4
26	Preparing for Life: Plasma Proteome Changes and Immune System Development During the First Week of Human Life. <i>Frontiers in Immunology</i> , 2020 , 11, 578505	8.4	4
25	Blood biomarkers to predict short-term pulmonary exacerbation risk in children and adolescents with CF: A pilot study. <i>Journal of Cystic Fibrosis</i> , 2020 , 19, 49-51	4.1	4
24	Transcriptional Changes of Blood Eosinophils After Methacholine Inhalation Challenge in Asthmatics. <i>Genomics Insights</i> , 2012 , 5, 1-12	0	3
23	Immunological changes in peripheral blood following nasal allergen challenge in subjects with allergic rhinitis pre- and post-peptide immunotherapy: An open-label clinical study. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 1907-1911	9.3	3
22	Cholinergic synapse pathway gene polymorphisms associated with allergen-induced late asthmatic responses. <i>ERJ Open Research</i> , 2019 , 5,	3.5	3
21	Effects of Controlled Diesel Exhaust and Allergen Exposure on microRNA and Gene Expression in Humans. Modulation of Lung Inflammatory Markers Associated with Asthma. <i>Annals of the American Thoracic Society</i> , 2018 , 15, S130-S131	4.7	3
20	Ensembling Electrical and Proteogenomics Biomarkers for Improved Prediction of Cardiac-Related 3-Month Hospitalizations: A Pilot Study. <i>Canadian Journal of Cardiology</i> , 2019 , 35, 471-479	3.8	2
19	Immunological Serum Protein Profiles for Noninvasive Detection of Acute Cellular Rejection After Heart Transplantation. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 2946-2947	15.1	2
18	Biogeography of the Relationship between the Child Gut Microbiome and Innate Immune System. <i>MBio</i> , 2021 , 12,	7.8	2
17	Transcriptional networks in whole blood of asthmatics. <i>Allergy, Asthma and Clinical Immunology</i> , 2014 , 10,	3.2	1
16	Canadian Society of Allergy and Clinical Immunology annual scientific meeting 2016. <i>Allergy, Asthma and Clinical Immunology</i> , 2017 , 13,	3.2	1
15	Long-term effects on survivors with COVID-19. <i>Lancet, The</i> , 2021 , 398, 1872	4.0	1
14	A cloud-based bioinformatic analytic infrastructure and Data Management Core for the Expanded Program on Immunization Consortium. <i>Journal of Clinical and Translational Science</i> , 2020 , 5, e52	0.4	1
13	Machine learning-based single cell and integrative analysis reveals that baseline mDC predisposition predicts protective Hepatitis B vaccine response		1
12	A Bloody Primer: Analysis of RNA-Seq from Tissue Admixtures. <i>Methods in Molecular Biology</i> , 2018 , 1712, 175-201	1.4	1

11	Cholinergic Synapse Pathway Gene Polymorphisms Associated With Late-Phase Responses in Allergic Rhinitis.. <i>Frontiers in Allergy</i> , 2021 , 2, 724328	0	1
10	Ontogeny of plasma cytokine and chemokine concentrations across the first week of human life. <i>Cytokine</i> , 2021 , 148, 155704	4	1
9	Machine Learning-Based Single Cell and Integrative Analysis Reveals That Baseline mDC Predisposition Correlates With Hepatitis B Vaccine Antibody Response. <i>Frontiers in Immunology</i> , 2021 , 12, 690470	8.4	0
8	Epigenetic blood biomarkers of aging and mortality in COPD. <i>European Respiratory Journal</i> , 2021 ,	13.6	0
7	Investigating Blood-Based, Cell-Specific Biomarkers of Acute Cardiac Allograft Rejection. <i>Transplantation</i> , 2017 , 101, S23	1.8	
6	Delivering the Personalized Medicine Promise 2019 , 306-312		
5	Can Big Data Analytics Recapitulate Biology? A Survey of Multi-omics Data Integration Approaches 2019 , 596-607		
4	The endothelial responses to low- and high-intensity cycling with diesel exhaust exposure (1106.21). <i>FASEB Journal</i> , 2014 , 28, 1106.21	0.9	
3	HEARTBIT. <i>Transplantation</i> , 2018 , 102, S179	1.8	
2	Balancing the Risks and Benefits of COVID-19 Vaccination for Pregnant Women and Their Children.. <i>Frontiers in Immunology</i> , 2021 , 12, 748456	8.4	
1	Dibutyl phthalate exposure alters T-cell subsets in blood from allergen-sensitized volunteers.. <i>Indoor Air</i> , 2022 , 32, e13026	5.4	