Scott J Tebbutt

List of Publications by Year
in descending order

104 papers	3,024 citations	218592 26 h-index	197736 49 g-index
113 all docs	113 docs citations	113 times ranked	6555 citing authors

#	Article	IF	Citations
1	DIABLO: an integrative approach for identifying key molecular drivers from multi-omics assays. Bioinformatics, 2019, 35, 3055-3062.	1.8	496
2	Interferon-Î±2b Treatment for COVID-19. Frontiers in Immunology, 2020, 11, 1061.	2.2	314
3	Dynamic molecular changes during the first week of human life follow a robust developmental trajectory. Nature Communications, 2019, 10, 1092.	5.8	151
4	Interactions of Aspergillus fumigatus Conidia with Airway Epithelial Cells: A Critical Review. Frontiers in Microbiology, 2016, 7, 472.	1.5	135
5	Modes of Infant Feeding and the Risk of Childhood Asthma: A Prospective Birth Cohort Study. Journal of Pediatrics, 2017, 190, 192-199.e2.	0.9	111
6	Granzyme B mediates both direct and indirect cleavage of extracellular matrix in skin after chronic lowâ€dose ultraviolet light irradiation. Aging Cell, 2015, 14, 67-77.	3.0	94
7	MicroRNA Expression in Response to Controlled Exposure to Diesel Exhaust: Attenuation by the Antioxidant <i>N</i>-Acetylcysteine in a Randomized Crossover Study. Environmental Health Perspectives, 2013, 121, 670-675.	2.8	84
8	Variation in RNA-Seq Transcriptome Profiles of Peripheral Whole Blood from Healthy Individuals with and without Globin Depletion. PLoS ONE, 2014, 9, e91041.	1.1	80
9	Dual Organism Transcriptomics of Airway Epithelial Cells Interacting with Conidia of Aspergillus fumigatus. PLoS ONE, 2011, 6, e20527.	1.1	79
10	BCG vaccinationâ€"induced emergency granulopoiesis provides rapid protection from neonatal sepsis. Science Translational Medicine, 2020, 12, .	5.8	76
11	Controlled diesel exhaust and allergen coexposure modulates microRNA and gene expression in humans: Effects on inflammatory lung markers. Journal of Allergy and Clinical Immunology, 2016, 138, 1690-1700.	1.5	67
12	Functional genomics of human bronchial epithelial cells directly interacting with conidia of Aspergillus fumigatus. BMC Genomics, 2010, 11, 358.	1.2	61
13	A Regulatory T-Cell Gene Signature Is a Specific and Sensitive Biomarker to Identify Children With New-Onset Type 1 Diabetes. Diabetes, 2016, 65, 1031-1039.	0.3	59
14	Exosomal miR-142-3p is increased during cardiac allograft rejection and augments vascular permeability through down-regulation of endothelial RAB11FIP2 expression. Cardiovascular Research, 2017, 113, cvw244.	1.8	53
15	Association of Serum MiR-142-3p and MiR-101-3p Levels with Acute Cellular Rejection after Heart Transplantation. PLoS ONE, 2017, 12, e0170842.	1.1	53
16	Decreased miR-192 expression in peripheral blood of asthmatic individuals undergoing an allergen inhalation challenge. BMC Genomics, 2012, 13, 655.	1.2	45
17	Novel Multivariate Methods for Integration of Genomics and Proteomics Data: Applications in a Kidney Transplant Rejection Study. OMICS A Journal of Integrative Biology, 2014, 18, 682-695.	1.0	41
18	Discovery of novel plasma protein biomarkers to predict imminent cystic fibrosis pulmonary exacerbations using multiple reaction monitoring mass spectrometry. Thorax, 2016, 71, 216-222.	2.7	38

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19	The effect of low and high-intensity cycling in diesel exhaust on flow-mediated dilation, circulating NOx, endothelin-1 and blood pressure. PLoS ONE, 2018, 13, e0192419.	1.1	35
20	Systems Biology Approaches for Host–Fungal Interactions: An Expanding Multi-Omics Frontier. OMICS A Journal of Integrative Biology, 2016, 20, 127-138.	1.0	34
21	A computational pipeline for the development of multi-marker bio-signature panels and ensemble classifiers. BMC Bioinformatics, 2012, 13, 326.	1.2	31
22	Transcriptomic and proteomic host response to Aspergillus fumigatus conidia in an air-liquid interface model of human bronchial epithelium. PLoS ONE, 2018, 13, e0209652.	1.1	29
23	Dibutyl Phthalate Augments Allergen-induced Lung Function Decline and Alters Human Airway Immunology. A Randomized Crossover Study. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 672-680.	2.5	29
24	Th17/Treg ratio derived using DNA methylation analysis is associated with the late phase asthmatic response. Allergy, Asthma and Clinical Immunology, 2014, 10, 32.	0.9	28
25	Differentiating heart failure phenotypes using sex–specific transcriptomic and proteomic biomarker panels. ESC Heart Failure, 2017, 4, 301-311.	1.4	28
26	Systems Biology Methods Applied to Blood and Tissue for a Comprehensive Analysis of Immune Response to Hepatitis B Vaccine in Adults. Frontiers in Immunology, 2020, 11, 580373.	2.2	28
27	Serum proteomics in multiple sclerosis disease progression. Journal of Proteomics, 2015, 118, 2-11.	1.2	27
28	Microarray genotyping resource to determine population stratification in genetic association studies of complex disease. BioTechniques, 2004, 37, 977-985.	0.8	24
29	SNP Chart: an integrated platform for visualization and interpretation of microarray genotyping data. Bioinformatics, 2005, 21, 124-127.	1.8	24
30	Preparing for Life: Plasma Proteome Changes and Immune System Development During the First Week of Human Life. Frontiers in Immunology, 2020, 11, 578505.	2.2	23
31	Combined Polymorphisms in Oxidative Stress Genes Predict Coronary Artery Disease and Oxidative Stress in Coronary Angiography Patients. Annals of Human Genetics, 2012, 76, 435-447.	0.3	20
32	Whole blood vs PBMC: compartmental differences in gene expression profiling exemplified in asthma. Allergy, Asthma and Clinical Immunology, 2019, 15, 67.	0.9	20
33	Multi-Omic Data Integration Allows Baseline Immune Signatures to Predict Hepatitis B Vaccine Response in a Small Cohort. Frontiers in Immunology, 2020, 11, 578801.	2.2	20
34	Gene-Metabolite Expression in Blood Can Discriminate Allergen-Induced Isolated Early from Dual Asthmatic Responses. PLoS ONE, 2013, 8, e67907.	1.1	19
35	COPD Exacerbation Biomarkers Validated Using Multiple Reaction Monitoring Mass Spectrometry. PLoS ONE, 2016, 11, e0161129.	1.1	19
36	Two-Stage, In Silico Deconvolution of the Lymphocyte Compartment of the Peripheral Whole Blood Transcriptome in the Context of Acute Kidney Allograft Rejection. PLoS ONE, 2014, 9, e95224.	1.1	18

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37	The Effect of Different Case Definitions of Current Smoking on the Discovery of Smoking-Related Blood Gene Expression Signatures in Chronic Obstructive Pulmonary Disease. Nicotine and Tobacco Research, 2016, 18, 1903-1909.	1.4	18
38	Novel Blood-based Transcriptional Biomarker Panels Predict the Late-Phase Asthmatic Response. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 450-462.	2.5	18
39	Treg gene signatures predict and measure type 1 diabetes trajectory. JCI Insight, 2019, 4, .	2.3	18
40	Robust SNP genotyping by multiplex PCR and arrayed primer extension. BMC Medical Genomics, 2008, 1, 5.	0.7	16
41	Peripheral Blood Gene Expression Changes during Allergen Inhalation Challenge in Atopic Asthmatic Individuals. Journal of Asthma, 2012, 49, 219-226.	0.9	16
42	Predicting acute cardiac rejection from donor heart and pre-transplant recipient blood gene expression. Journal of Heart and Lung Transplantation, 2013, 32, 259-265.	0.3	16
43	The Effect of Statins on Blood Gene Expression in COPD. PLoS ONE, 2015, 10, e0140022.	1.1	16
44	Angiopoietin-like 4 Enhances the Proliferation and Migration of Tendon Fibroblasts. Medicine and Science in Sports and Exercise, 2017, 49, 1769-1777.	0.2	14
45	Single-Nucleotide Polymorphisms and Lung Disease. Chest, 2007, 131, 1216-1223.	0.4	13
46	SABRE: a method for assessing the stability of gene modules in complex tissues and subject populations. BMC Bioinformatics, 2016, 17, 460.	1.2	13
47	Innate Immune Responses and Gut Microbiomes Distinguish HIV-Exposed from HIV-Unexposed Children in a Population-Specific Manner. Journal of Immunology, 2020, 205, 2618-2628.	0.4	13
48	Proteomic biomarkers of recovered heart function. European Journal of Heart Failure, 2014, 16, 551-559.	2.9	12
49	Proteomic Profiling to Identify Blood Biomarkers Predictive of Response to Azithromycin in Children and Adolescents With Cystic Fibrosis. Chest, 2019, 156, 667-673.	0.4	12
50	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. Frontiers in Pediatrics, 2020, 8, 197.	0.9	12
51	White Blood Cell Differentials Enrich Whole Blood Expression Data in the Context of Acute Cardiac Allograft Rejection. Bioinformatics and Biology Insights, 2012, 6, BBI.S9197.	1.0	11
52	Plasma proteomics can discriminate isolated early from dual responses in asthmatic individuals undergoing an allergen inhalation challenge. Proteomics - Clinical Applications, 2012, 6, 476-485.	0.8	11
53	The association of Leptospermum honey with cytokine expression in the sinonasal epithelium of chronic rhinosinusitis patients. World Journal of Otorhinolaryngology - Head and Neck Surgery, 2019, 5, 19-25.	0.7	11
54	HEARTBiT: A Transcriptomic Signature for Excluding Acute Cellular Rejection in Adult Heart Allograft Patients. Canadian Journal of Cardiology, 2020, 36, 1217-1227.	0.8	11

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55	Dynamic variable selection in SNP genotype autocalling from APEX microarray data. BMC Bioinformatics, 2006, 7, 521.	1.2	10
56	Phagocytosis of Aspergillus fumigatus by Human Bronchial Epithelial Cells Is Mediated by the Arp2/3 Complex and WIPF2. Frontiers in Cellular and Infection Microbiology, 2019, 9, 16.	1.8	10
57	Circulating biomarker responses to medical management vs. mechanical circulatory support in severe inotropeâ€dependent acute heart failure. ESC Heart Failure, 2016, 3, 86-96.	1.4	9
58	Multiple reaction monitoring mass spectrometry to identify novel plasma protein biomarkers of treatment response in cystic fibrosis pulmonary exacerbations. Journal of Cystic Fibrosis, 2018, 17, 333-340.	0.3	9
59	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. BMJ Open Sport and Exercise Medicine, 2019, 5, e000625.	1.4	9
60	Blood biomarkers to predict short-term pulmonary exacerbation risk in children and adolescents with CF: A pilot study. Journal of Cystic Fibrosis, 2020, 19, 49-51.	0.3	9
61	Deoxynucleotides can replace dideoxynucleotides in minisequencing by arrayed primer extension. BioTechniques, 2006, 40, 331-338.	0.8	8
62	Identification of novel blood biomarkers of treatment response in cystic fibrosis pulmonary exacerbations by label-free quantitative proteomics. Scientific Reports, 2019, 9, 17126.	1.6	8
63	Biogeography of the Relationship between the Child Gut Microbiome and Innate Immune System. MBio, 2021, 12, .	1.8	8
64	Machine Learning-Based Single Cell and Integrative Analysis Reveals That Baseline mDC Predisposition Correlates With Hepatitis B Vaccine Antibody Response. Frontiers in Immunology, 2021, 12, 690470.	2.2	8
65	MACGT: multi-dimensional automated clustering genotyping tool for analysis of microarray-based mini-sequencing data. Bioinformatics, 2006, 22, 1147-1149.	1.8	7
66	Enumerateblood â€" an R package to estimate the cellular composition of whole blood from Affymetrix Gene ST gene expression profiles. BMC Genomics, 2017, 18, 43.	1.2	7
67	Diagnosis of Western Red Cedar Asthma Using a Blood-based Gene Expression Biomarker Panel. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 1615-1617.	2.5	6
68	Ensembling Electrical and Proteogenomics Biomarkers for Improved Prediction of Cardiac-Related 3-Month Hospitalizations: A Pilot Study. Canadian Journal of Cardiology, 2019, 35, 471-479.	0.8	6
69	Analytical Validation of HEARTBiT: A Blood-Based Multiplex Gene Expression Profiling Assay for Exclusionary Diagnosis of Acute Cellular Rejection in Heart Transplant Patients. Clinical Chemistry, 2020, 66, 1063-1071.	1.5	6
70	Longitudinal analysis of whole blood transcriptomes to explore molecular signatures associated with acute renal allograft rejection. Bioinformatics and Biology Insights, 2014, 8, 17-33.	1.0	6
71	Identifying Molecular Mechanisms of the Late-Phase Asthmatic Response by Integrating Cellular, Gene, and Metabolite Levels in Blood. Annals of the American Thoracic Society, 2016, 13, S98-S98.	1.5	6
72	Investigating Immune Gene Signatures in Peripheral Blood from Subjects with Allergic Rhinitis Undergoing Nasal Allergen Challenge. Journal of Immunology, 2017, 199, 3395-3405.	0.4	5

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73	Canadian Society of Allergy and Clinical Immunology annual scientific meeting 2016. Allergy, Asthma and Clinical Immunology, 2017, 13, .	0.9	5
74	Epigenetic blood biomarkers of ageing and mortality in COPD. European Respiratory Journal, 2021, 58, 2101890.	3.1	5
75	Long-term effects on survivors with COVID-19. Lancet, The, 2021, 398, 1872.	6.3	5
76	Leave no one behind: inclusion of alpha-1 antitrypsin deficiency patients in COVID-19 vaccine trials. European Journal of Human Genetics, 2022, , .	1.4	5
77	Combining multiple PCR primer pairs for each amplicon can improve SNP genotyping accuracy by reducing allelic drop-out. BioTechniques, 2008, 45, 637-646.	0.8	4
78	Impact of Statins on Gene Expression in Human Lung Tissues. PLoS ONE, 2015, 10, e0142037.	1.1	4
79	Effects of Controlled Diesel Exhaust and Allergen Exposure on microRNA and Gene Expression in Humans. Modulation of Lung Inflammatory Markers Associated with Asthma. Annals of the American Thoracic Society, 2018, 15, S130-S131.	1.5	4
80	Cholinergic synapse pathway gene polymorphisms associated with allergen-induced late asthmatic responses. ERJ Open Research, 2019, 5, 00107-2019.	1.1	4
81	Immunological changes in peripheral blood following nasal allergen challenge in subjects with allergic rhinitis preâ€‘and postâ€‘peptide immunotherapy: An openâ€‘label clinical study. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 1907-1911.	2.7	4
82	Ontogeny of plasma cytokine and chemokine concentrations across the first week of human life. Cytokine, 2021, 148, 155704.	1.4	4
83	Transcriptional Changes of Blood Eosinophils after Methacholine Inhalation Challenge in Asthmatics. Genomics Insights, 2012, 5, GEI.S9125.	3.0	3
84	Immunological Serum Protein Profiles for Noninvasive Detection of Acute Cellular Rejection After Heart Transplantation. Journal of the American College of Cardiology, 2017, 70, 2946-2947.	1.2	3
85	A cloud-based bioinformatic analytic infrastructure and Data Management Core for the Expanded Program on Immunization Consortium. Journal of Clinical and Translational Science, 2021, 5, e52.	0.3	3
86	Plasma Proteomics Can Discriminate Isolated Early From Dual Responses In Asthmatic Individuals Undergoing An Allergen Inhalation Challenge. , 2012, , .		1
87	Transcriptional networks in whole blood of asthmatics. Allergy, Asthma and Clinical Immunology, 2014, 10, .	0.9	1
88	Blood biomarkers of the late phase asthmatic response using RNA-Seq. Allergy, Asthma and Clinical Immunology, 2014, 10, .	0.9	1
89	A Bloody Primer: Analysis of RNA-Seq from Tissue Admixtures. Methods in Molecular Biology, 2018, 1712, 175-201.	0.4	1
90	Cholinergic Synapse Pathway Gene Polymorphisms Associated With Late-Phase Responses in Allergic Rhinitis. Frontiers in Allergy, 2021, 2, 724328.	1.2	1

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91	Dibutyl phthalate exposure alters T‑cell subsets in blood from allergen‑sensitized volunteers. Indoor Air, 2022, 32, e13026.	2.0	1
92	Peripheral Blood Gene Expression Signatures Discriminate Chronic Obstructive Pulmonary Disease Patients Susceptible To Frequent Exacerbations. , 2012, , .		0
93	Differentially Expressed MicroRNAs In Peripheral Blood Of Asthmatics Undergoing Allergen Inhalation Challenge. , 2012, , .		0
94	A Male-Specific mRNA Panel Improves Differentiation between Heart Failure with Reduced and Preserved Ejection Fraction. Journal of Cardiac Failure, 2014, 20, S28.	0.7	0
95	Th17/Treg ratio derived using DNA methylation analysis discriminates allergen-induced early from dual asthmatic responses. Allergy, Asthma and Clinical Immunology, 2014, 10, .	0.9	0
96	Uncovering T cell-specific differential expression patterns associated with pollen exposure in individuals with allergic rhinitis. Allergy, Asthma and Clinical Immunology, 2014, 10, .	0.9	0
97	AllerGen's 8th research conference. Allergy, Asthma and Clinical Immunology, 2016, 12, .	0.9	0
98	Investigating Blood-Based, Cell-Specific Biomarkers of Acute Cardiac Allograft Rejection. Transplantation, 2017, 101, S23.	0.5	0
99	HEARTBIT. Transplantation, 2018, 102, S179.	0.5	0
100	The endothelial responses to low‑and high‑intensity cycling with diesel exhaust exposure (1106.21). FASEB Journal, 2014, 28, 1106.21.	0.2	0
101	LSC Abstract â€" Systems approach to predict asthmatic response to allergen inhalation challenge. , 2016, , .		0
102	Delivering the Personalized Medicine Promise. , 2019, , 306-312.		0
103	Can Big Data Analytics Recapitulate Biology? A Survey of Multi-omics Data Integration Approaches. , 2019, , 596-607.		0
104	Balancing the Risks and Benefits of COVID-19 Vaccination for Pregnant Women and Their Children. Frontiers in Immunology, 2021, 12, 748456.	2.2	0