

Brendon P Scicluna

List of Publications by Year in descending order

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118
papers

7,004
citations

101384

36
h-index

64668

79
g-index

125
all docs

125
docs citations

125
times ranked

10483
citing authors

#	ARTICLE	IF	CITATIONS
1	The immunopathology of sepsis and potential therapeutic targets. <i>Nature Reviews Immunology</i> , 2017, 17, 407-420.	10.6	1,183
2	The gut microbiota plays a protective role in the host defence against pneumococcal pneumonia. <i>Gut</i> , 2016, 65, 575-583.	6.1	601
3	Broad defects in the energy metabolism of leukocytes underlie immunoparalysis in sepsis. <i>Nature Immunology</i> , 2016, 17, 406-413.	7.0	437
4	Classification of patients with sepsis according to blood genomic endotype: a prospective cohort study. <i>Lancet Respiratory Medicine</i> , 2017, 5, 816-826.	5.2	381
5	Incidence, Risk Factors, and Attributable Mortality of Secondary Infections in the Intensive Care Unit After Admission for Sepsis. <i>JAMA - Journal of the American Medical Association</i> , 2016, 315, 1469.	3.8	367
6	The Itaconate Pathway Is a Central Regulatory Node Linking Innate Immune Tolerance and Trained Immunity. <i>Cell Metabolism</i> , 2019, 29, 211-220.e5.	7.2	232
7	Thrombocytopenia is associated with a dysregulated host response in critically ill sepsis patients. <i>Blood</i> , 2016, 127, 3062-3072.	0.6	224
8	Myocyte necrosis underlies progressive myocardial dystrophy in mouse <i>dsg2</i> -related arrhythmogenic right ventricular cardiomyopathy. <i>Journal of Experimental Medicine</i> , 2009, 206, 1787-1802.	4.2	184
9	A Molecular Biomarker to Diagnose Community-acquired Pneumonia on Intensive Care Unit Admission. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 826-835.	2.5	171
10	Genome-wide association study identifies a susceptibility locus at 21q21 for ventricular fibrillation in acute myocardial infarction. <i>Nature Genetics</i> , 2010, 42, 688-691.	9.4	170
11	A Molecular Host Response Assay to Discriminate Between Sepsis and Infection-Negative Systemic Inflammation in Critically Ill Patients: Discovery and Validation in Independent Cohorts. <i>PLoS Medicine</i> , 2015, 12, e1001916.	3.9	163
12	Functional Na ^v 1.8 Channels in Intracardiac Neurons. <i>Circulation Research</i> , 2012, 111, 333-343.	2.0	131
13	Biomarkers in Sepsis. <i>Critical Care Clinics</i> , 2018, 34, 139-152.	1.0	123
14	Apc-mutant cells act as supercompetitors in intestinal tumour initiation. <i>Nature</i> , 2021, 594, 436-441.	13.7	108
15	The cardiac sodium channel displays differential distribution in the conduction system and transmural heterogeneity in the murine ventricular myocardium. <i>Basic Research in Cardiology</i> , 2009, 104, 511-522.	2.5	103
16	Load-Reducing Therapy Prevents Development of Arrhythmogenic Right Ventricular Cardiomyopathy in Plakoglobin-Deficient Mice. <i>Journal of the American College of Cardiology</i> , 2011, 57, 740-750.	1.2	103
17	Age-dependent differences in pulmonary host responses in ARDS: a prospective observational cohort study. <i>Annals of Intensive Care</i> , 2019, 9, 55.	2.2	92
18	Admission Hyperglycemia in Critically Ill Sepsis Patients: Association With Outcome and Host Response*. <i>Critical Care Medicine</i> , 2016, 44, 1338-1346.	0.4	90

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19	Understanding Heterogeneity in Biologic Phenotypes of Acute Respiratory Distress Syndrome by Leukocyte Expression Profiles. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 42-50.	2.5	89
20	Validation of a Host Response Assay, SeptiCyte LAB, for Discriminating Sepsis from Systemic Inflammatory Response Syndrome in the ICU. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 903-913.	2.5	87
21	Genetically Determined Differences in Sodium Current Characteristics Modulate Conduction Disease Severity in Mice With Cardiac Sodium Channelopathy. <i>Circulation Research</i> , 2009, 104, 1283-1292.	2.0	86
22	Sepsis Subclasses: A Framework for Development and Interpretation*. <i>Critical Care Medicine</i> , 2021, 49, 748-759.	0.4	81
23	Intravenous Infusion of Human Adipose Mesenchymal Stem Cells Modifies the Host Response to Lipopolysaccharide in Humans: A Randomized, Single-Blind, Parallel Group, Placebo Controlled Trial. <i>Stem Cells</i> , 2018, 36, 1778-1788.	1.4	70
24	Tubulin polymerization modifies cardiac sodium channel expression and gating. <i>Cardiovascular Research</i> , 2010, 85, 691-700.	1.8	68
25	Steroid-resistant human inflammatory ILC2s are marked by CD45RO and elevated in type 2 respiratory diseases. <i>Science Immunology</i> , 2021, 6, .	5.6	65
26	The Host Response in Patients with Sepsis Developing Intensive Care Unit-acquired Secondary Infections. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 458-470.	2.5	61
27	IFN- γ Priming of Macrophages Represses a Part of the Inflammatory Program and Attenuates Neutrophil Recruitment. <i>Journal of Immunology</i> , 2015, 194, 3909-3916.	0.4	56
28	Estimated dead space fraction and the ventilatory ratio are associated with mortality in early ARDS. <i>Annals of Intensive Care</i> , 2019, 9, 128.	2.2	52
29	Increased Early Systemic Inflammation in ICU-Acquired Weakness; A Prospective Observational Cohort Study*. <i>Critical Care Medicine</i> , 2017, 45, 972-979.	0.4	50
30	The Selective Sirtuin 1 Activator SRT2104 Reduces Endotoxin-Induced Cytokine Release and Coagulation Activation in Humans*. <i>Critical Care Medicine</i> , 2015, 43, e199-e202.	0.4	49
31	Comparative Analysis of the Host Response to Community-acquired and Hospital-acquired Pneumonia in Critically Ill Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 194, 1366-1374.	2.5	48
32	Coding and small non-coding transcriptional landscape of tuberous sclerosis complex cortical tubers: implications for pathophysiology and treatment. <i>Scientific Reports</i> , 2017, 7, 8089.	1.6	47
33	Risk factors, host response and outcome of hypothermic sepsis. <i>Critical Care</i> , 2016, 20, 328.	2.5	46
34	Dissection of a Quantitative Trait Locus for PR Interval Duration Identifies Tnni3k as a Novel Modulator of Cardiac Conduction. <i>PLoS Genetics</i> , 2012, 8, e1003113.	1.5	45
35	Biological Subphenotypes of Acute Respiratory Distress Syndrome Show Prognostic Enrichment in Mechanically Ventilated Patients without Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 203, 1503-1511.	2.5	43
36	Myocardial Injury in Critically Ill Patients with Community-acquired Pneumonia. A Cohort Study. <i>Annals of the American Thoracic Society</i> , 2019, 16, 606-612.	1.5	40

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37	Association of diabetes and diabetes treatment with the host response in critically ill sepsis patients. <i>Critical Care</i> , 2016, 20, 252.	2.5	36
38	Association of Gender With Outcome and Host Response in Critically Ill Sepsis Patients*. <i>Critical Care Medicine</i> , 2017, 45, 1854-1862.	0.4	36
39	The gut microbiota as a modulator of innate immunity during melioidosis. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005548.	1.3	36
40	The leukocyte non-coding RNA landscape in critically ill patients with sepsis. <i>ELife</i> , 2020, 9, .	2.8	36
41	Source-specific host response and outcomes in critically ill patients with sepsis: a prospective cohort study. <i>Intensive Care Medicine</i> , 2022, 48, 92-102.	3.9	35
42	The Primary Arrhythmia Syndromes: Same Mutation, Different Manifestations. Are We Starting to Understand Why?. <i>Journal of Cardiovascular Electrophysiology</i> , 2008, 19, 445-452.	0.8	33
43	Sepsis Patients Display a Reduced Capacity to Activate Nuclear Factor- κ B in Multiple Cell Types*. <i>Critical Care Medicine</i> , 2017, 45, e524-e531.	0.4	30
44	Human Adipose-Derived Mesenchymal Stem Cells Modify Lung Immunity and Improve Antibacterial Defense in Pneumosepsis Caused by <i>Klebsiella pneumoniae</i> . <i>Stem Cells Translational Medicine</i> , 2019, 8, 785-796.	1.6	30
45	Mortality and host response aberrations associated with transient and persistent acute kidney injury in critically ill patients with sepsis: a prospective cohort study. <i>Intensive Care Medicine</i> , 2020, 46, 1576-1589.	3.9	30
46	NLRP3 and ASC Differentially Affect the Lung Transcriptome during Pneumococcal Pneumonia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 50, 699-712.	1.4	29
47	Risk stratification using SpO ₂ /FiO ₂ and PEEP at initial ARDS diagnosis and after 24h in patients with moderate or severe ARDS. <i>Annals of Intensive Care</i> , 2017, 7, 108.	2.2	28
48	The Role of Host Cell DNA Methylation in the Immune Response to Bacterial Infection. <i>Frontiers in Immunology</i> , 2021, 12, 696280.	2.2	28
49	The Adhesion G Protein-Coupled Receptor GPR97/ADGRG3 Is Expressed in Human Granulocytes and Triggers Antimicrobial Effector Functions. <i>Frontiers in Immunology</i> , 2018, 9, 2830.	2.2	27
50	The effect of age on the systemic inflammatory response in patients with community-acquired pneumonia. <i>Clinical Microbiology and Infection</i> , 2014, 20, 1183-1188.	2.8	26
51	Plasma fractalkine is a sustained marker of disease severity and outcome in sepsis patients. <i>Critical Care</i> , 2015, 19, 412.	2.5	24
52	The coding and non-coding transcriptional landscape of subependymal giant cell astrocytomas. <i>Brain</i> , 2020, 143, 131-149.	3.7	24
53	Prior Use of Calcium Channel Blockers Is Associated With Decreased Mortality in Critically Ill Patients With Sepsis: A Prospective Observational Study. <i>Critical Care Medicine</i> , 2017, 45, 454-463.	0.4	23
54	Molecular Biomarker to Assist in Diagnosing Abdominal Sepsis upon ICU Admission. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 1070-1073.	2.5	23

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55	Quantitative trait loci for electrocardiographic parameters and arrhythmia in the mouse. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 50, 380-389.	0.9	22
56	Concurrent Immune Suppression and Hyperinflammation in Patients With Community-Acquired Pneumonia. <i>Frontiers in Immunology</i> , 2020, 11, 796.	2.2	21
57	Iron metabolism in critically ill patients developing anemia of inflammation: a case control study. <i>Annals of Intensive Care</i> , 2018, 8, 56.	2.2	20
58	Interleukin-27: a potential new sepsis biomarker exposed through genome-wide transcriptional profiling. <i>Critical Care</i> , 2012, 16, 188.	2.5	19
59	Genetic signature related to heme-hemoglobin metabolism pathway in sepsis secondary to pneumonia. <i>Npj Systems Biology and Applications</i> , 2019, 5, 26.	1.4	18
60	The Search for Efficacious New Therapies in Sepsis Needs to Embrace Heterogeneity. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 936-938.	2.5	17
61	Reduced Responsiveness of Blood Leukocytes to Lipopolysaccharide Does not Predict Nosocomial Infections in Critically Ill Patients. <i>Shock</i> , 2015, 44, 110-114.	1.0	16
62	Role of tissue factor in the procoagulant and antibacterial effects of human adipose-derived mesenchymal stem cells during pneumosepsis in mice. <i>Stem Cell Research and Therapy</i> , 2019, 10, 286.	2.4	16
63	Impact of HIV infection on the presentation, outcome and host response in patients admitted to the intensive care unit with sepsis; a case control study. <i>Critical Care</i> , 2016, 20, 322.	2.5	15
64	Leukocyte transcriptional signatures dependent on LPS dosage in human endotoxemia. <i>Journal of Leukocyte Biology</i> , 2019, 106, 1153-1160.	1.5	15
65	Adherence Affects Monocyte Innate Immune Function and Metabolic Reprogramming after Lipopolysaccharide Stimulation In Vitro. <i>Journal of Immunology</i> , 2021, 206, 827-838.	0.4	15
66	An epigenetic and transcriptomic signature of immune tolerance in human monocytes through multi-omics integration. <i>Genome Medicine</i> , 2021, 13, 131.	3.6	15
67	Combined Transcriptome and Proteome Leukocyteâ€™s Profiling Reveals Up-Regulated Module of Genes/Proteins Related to Low Density Neutrophils and Impaired Transcription and Translation Processes in Clinical Sepsis. <i>Frontiers in Immunology</i> , 2021, 12, 744799.	2.2	15
68	Role of Tumor Necrosis Factor-Î± in the Human Systemic Endotoxin-Induced Transcriptome. <i>PLoS ONE</i> , 2013, 8, e79051.	1.1	14
69	Bacterial and Viral Respiratory Tract Microbiota and Host Characteristics in Adults With Lower Respiratory Tract Infections: A Case-Control Study. <i>Clinical Infectious Diseases</i> , 2022, 74, 776-784.	2.9	14
70	Effect of intravenous clarithromycin in patients with sepsis, respiratory and multiple organ dysfunction syndrome: a randomized clinical trial. <i>Critical Care</i> , 2022, 26, .	2.5	14
71	Bronchial Epithelial Tet2 Maintains Epithelial Integrity during Acute <i>Pseudomonas aeruginosa</i> Pneumonia. <i>Infection and Immunity</i> , 2020, 89, .	1.0	13
72	Modular Transcriptional Networks of the Host Pulmonary Response during Early and Late Pneumococcal Pneumonia. <i>Molecular Medicine</i> , 2015, 21, 430-441.	1.9	12

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73	Dysregulation of the MMP/TIMP Proteolytic System in Subependymal Giant Cell Astrocytomas in Patients With Tuberous Sclerosis Complex: Modulation of MMP by MicroRNA-320d In Vitro. <i>Journal of Neuropathology and Experimental Neurology</i> , 2020, 79, 777-790.	0.9	12
74	Integrated single-cell analysis unveils diverging immune features of COVID-19, influenza, and other community-acquired pneumonia. <i>ELife</i> , 2021, 10, .	2.8	12
75	Validation of a Novel Molecular Host Response Assay to Diagnose Infection in Hospitalized Patients Admitted to the ICU With Acute Respiratory Failure. <i>Critical Care Medicine</i> , 2018, 46, 368-374.	0.4	11
76	The circular RNA landscape in specific peripheral blood mononuclear cells of critically ill patients with sepsis. <i>Critical Care</i> , 2020, 24, 423.	2.5	11
77	Integrative Genomic Approach Identifies Multiple Genes Involved in Cardiac Collagen Deposition. Circulation: Cardiovascular Genetics, 2014, 7, 790-798.	5.1	10
78	Kinase activity is impaired in neutrophils of sepsis patients. <i>Haematologica</i> , 2019, 104, e233-e235.	1.7	10
79	Prekallikrein inhibits innate immune signaling in the lung and impairs host defense during pneumosepsis in mice. <i>Journal of Pathology</i> , 2020, 250, 95-106.	2.1	10
80	Consumptive coagulopathy is associated with a disturbed host response in patients with sepsis. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 1049-1063.	1.9	10
81	Tenascin-C Deficiency Is Associated With Reduced Bacterial Outgrowth During Klebsiella pneumoniae-Evoked Pneumosepsis in Mice. <i>Frontiers in Immunology</i> , 2021, 12, 600979.	2.2	10
82	Bronchial epithelial DNA methyltransferase 3b dampens pulmonary immune responses during Pseudomonas aeruginosa infection. <i>PLoS Pathogens</i> , 2021, 17, e1009491.	2.1	10
83	The host response in different aetiologies of community-acquired pneumonia. <i>EBioMedicine</i> , 2022, 81, 104082.	2.7	10
84	The Impact of HIV Co-Infection on the Genomic Response to Sepsis. <i>PLoS ONE</i> , 2016, 11, e0148955.	1.1	9
85	The host response in critically ill sepsis patients on statin therapy: a prospective observational study. <i>Annals of Intensive Care</i> , 2018, 8, 9.	2.2	8
86	Tenascin C Has a Modest Protective Effect on Acute Lung Pathology during Methicillin-Resistant Staphylococcus aureus-Induced Pneumonia in Mice. <i>Microbiology Spectrum</i> , 2021, 9, e0020721.	1.2	8
87	Plasma Ferritin as Marker of Macrophage Activation-Like Syndrome in Critically Ill Patients With Community-Acquired Pneumonia. <i>Critical Care Medicine</i> , 2021, 49, 1901-1911.	0.4	7
88	Association between delay in intensive care unit admission and the host response in patients with community-acquired pneumonia. <i>Annals of Intensive Care</i> , 2021, 11, 142.	2.2	7
89	Role of Myeloid Tet Methylcytosine Dioxygenase 2 in Pulmonary and Peritoneal Inflammation Induced by Lipopolysaccharide and Peritonitis Induced by Escherichia coli. <i>Cells</i> , 2022, 11, 82.	1.8	6
90	Myeloid DNA methyltransferase3b deficiency aggravates pulmonary fibrosis by enhancing profibrotic macrophage activation. <i>Respiratory Research</i> , 2022, 23, .	1.4	6

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91	Rectal bacteriome and virome signatures and clinical outcomes in community-acquired pneumonia: An exploratory study. <i>EClinicalMedicine</i> , 2021, 39, 101074.	3.2	5
92	HIVEP1 Is a Negative Regulator of NF- κ B That Inhibits Systemic Inflammation in Sepsis. <i>Frontiers in Immunology</i> , 2021, 12, 744358.	2.2	5
93	Etiology of Myocardial Injury in Critically Ill Patients with Sepsis: A Cohort Study. <i>Annals of the American Thoracic Society</i> , 2022, 19, 773-780.	1.5	5
94	Association of Hyperferritinemia With Distinct Host Response Aberrations in Patients With Community-Acquired Pneumonia. <i>Journal of Infectious Diseases</i> , 2022, 225, 2023-2032.	1.9	5
95	Matrix metalloproteinase-8: a useful biomarker to refine the diagnosis of community-acquired pneumonia upon intensive care unit admission?. <i>Critical Care</i> , 2019, 23, 226.	2.5	4
96	Elevated trefoil factor 3 plasma levels in critically ill patients with abdominal sepsis or non-infectious abdominal illness. <i>Cytokine</i> , 2020, 133, 155181.	1.4	4
97	Transcriptional changes in alveolar macrophages from adults with asthma after allergen challenge. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 2218-2222.	2.7	4
98	Turning a New Page in Sepsis Molecular Diagnostics Necessitates Context-Specific Biomarkers. <i>Critical Care Medicine</i> , 2017, 45, e457.	0.4	3
99	A pilot study of a novel molecular host response assay to diagnose infection in patients after high-risk gastro-intestinal surgery. <i>Journal of Critical Care</i> , 2019, 54, 83-87.	1.0	3
100	Flagellin induces innate immune genes in bronchial epithelial cells in vivo: Role of TET2. <i>Scandinavian Journal of Immunology</i> , 2021, 94, e13046.	1.3	3
101	The circulatory small non-coding RNA landscape in community-acquired pneumonia on intensive care unit admission. <i>Journal of Cellular and Molecular Medicine</i> , 2021, 25, 7621-7630.	1.6	3
102	Blood leukocyte transcriptomes in Gram-positive and Gram-negative community-acquired pneumonia. <i>European Respiratory Journal</i> , 2022, 59, 2101856.	3.1	3
103	The Long Non-Coding Antisense RNA JHDM1D-AS1 Regulates Inflammatory Responses in Human Monocytes. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	3
104	Chemokine ligand 9 modulates cardiac repolarization via Cxcr3 receptor binding. <i>International Journal of Cardiology</i> , 2015, 201, 49-52.	0.8	2
105	Protease-activated receptor 1 drives and maintains ductal cell fates in the premalignant pancreas and ductal adenocarcinoma. <i>Molecular Oncology</i> , 2021, 15, 3091-3108.	2.1	2
106	Reply: Comprehensive Validation of the FAIM3:PLAC8 Ratio in Time-matched Public Gene Expression Data. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 1261-1262.	2.5	1
107	Reply:FAIM3:PLAC8Ratio Compared with Existing Biomarkers for Diagnosis of Severe Community-acquired Pneumonia: Comparing Apples to Oranges?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 102-103.	2.5	1
108	Are histones real pathogenic agents in sepsis?. <i>Nature Reviews Immunology</i> , 2018, 18, 148-148.	10.6	1

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109	Classification of patients with septic shock: Are we there yet?. Journal of Critical Care, 2018, 47, 320-321.	1.0	1
110	Alveolar epithelial TET2 is not involved in the development of bleomycin-induced pulmonary fibrosis. FASEB Journal, 2021, 35, e21599.	0.2	1
111	Distinct DNA Methylation Patterns of Subependymal Giant Cell Astrocytomas in Tuberous Sclerosis Complex. Cellular and Molecular Neurobiology, 2022, 42, 2863-2892.	1.7	1
112	DNA Methyltransferase 3b in Myeloid Cells Does Not Affect the Acute Immune Response in the Airways during Pseudomonas Pneumonia. Cells, 2022, 11, 787.	1.8	1
113	Resolving patient heterogeneity in critical illness requires multi-scale approaches. EBioMedicine, 2022, 77, 103918.	2.7	1
114	Patients with hypothermic sepsis have a unique gene expression profile compared to patients with fever and sepsis. Journal of Cellular and Molecular Medicine, 2022, 26, 1896-1904.	1.6	1
115	The Selective Nav1.8 Sodium Channel Blocker A-803467 Affects Electrical Activity in Intracardiac Neurons, but not in Cardiomyocytes. Biophysical Journal, 2011, 100, 421a-422a.	0.2	0
116	Sepsis 2016 Paris. Critical Care, 2016, 20, .	2.5	0
117	Myocyte necrosis underlies progressive myocardial dystrophy in mouse <i>dsg2</i> -related arrhythmogenic right ventricular cardiomyopathy. Journal of Cell Biology, 2009, 186, i5-i5.	2.3	0
118	Myeloid cell tet methylcytosine dioxygenase 2 does not affect the host response during gram-negative bacterial pneumonia and sepsis. Cytokine, 2022, 154, 155876.	1.4	0