

# Bryan J Mcverry

## 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.

81  
papers

4,539  
citations

27  
h-index

67  
g-index

109  
ext. papers

6,954  
ext. citations

10.9  
avg, IF

5.02  
L-index

#	Paper	IF	Citations
81	Interleukin-6 Receptor Antagonists in Critically Ill Patients with Covid-19. <i>New England Journal of Medicine</i> , <b>2021</b> , 384, 1491-1502	59.2	639
80	Protective effects of sphingosine 1-phosphate in murine endotoxin-induced inflammatory lung injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2004</b> , 169, 1245-51	10.2	446
79	Effect of Hydrocortisone on Mortality and Organ Support in Patients With Severe COVID-19: The REMAP-CAP COVID-19 Corticosteroid Domain Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , <b>2020</b> , 324, 1317-1329	27.4	386
78	Pre-B-cell colony-enhancing factor as a potential novel biomarker in acute lung injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2005</b> , 171, 361-70	10.2	330
77	Treatment with allogeneic mesenchymal stromal cells for moderate to severe acute respiratory distress syndrome (START study): a randomised phase 2a safety trial. <i>Lancet Respiratory Medicine</i> , <b>2019</b> , 7, 154-162	35.1	291
76	Therapeutic Anticoagulation with Heparin in Critically Ill Patients with Covid-19. <i>New England Journal of Medicine</i> , <b>2021</b> , 385, 777-789	59.2	227
75	Therapeutic Anticoagulation with Heparin in Noncritically Ill Patients with Covid-19. <i>New England Journal of Medicine</i> , <b>2021</b> , 385, 790-802	59.2	203
74	In vitro and in vivo modulation of vascular barrier integrity by sphingosine 1-phosphate: mechanistic insights. <i>Cellular Signalling</i> , <b>2005</b> , 17, 131-9	4.9	199
73	Sphingosine 1-phosphate reduces vascular leak in murine and canine models of acute lung injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2004</b> , 170, 987-93	10.2	189
72	Endothelial cell barrier regulation by sphingosine 1-phosphate. <i>Journal of Cellular Biochemistry</i> , <b>2004</b> , 92, 1075-85	4.7	165
71	Association Between Administration of IL-6 Antagonists and Mortality Among Patients Hospitalized for COVID-19: A Meta-analysis. <i>JAMA - Journal of the American Medical Association</i> , <b>2021</b> , 326, 499-518	27.4	154
70	Aging mesenchymal stem cells fail to protect because of impaired migration and antiinflammatory response. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2014</b> , 189, 787-98	10.2	133
69	Dynamic regulation of cardiolipin by the lipid pump Atp8b1 determines the severity of lung injury in experimental pneumonia. <i>Nature Medicine</i> , <b>2010</b> , 16, 1120-1127	50.5	105
68	A combinatorial F box protein directed pathway controls TRAF adaptor stability to regulate inflammation. <i>Nature Immunology</i> , <b>2013</b> , 14, 470-9	19.1	94
67	Mortality outcomes with hydroxychloroquine and chloroquine in COVID-19 from an international collaborative meta-analysis of randomized trials. <i>Nature Communications</i> , <b>2021</b> , 12, 2349	17.4	83
66	Dysbiosis in the intensive care unit: Microbiome science coming to the bedside. <i>Journal of Critical Care</i> , <b>2017</b> , 38, 84-91	4	59
65	Activation of human mesenchymal stem cells impacts their therapeutic abilities in lung injury by increasing interleukin (IL)-10 and IL-1RN levels. <i>Stem Cells Translational Medicine</i> , <b>2013</b> , 2, 884-95	6.9	56

64	Sphingosine 1-phosphate rescues canine LPS-induced acute lung injury and alters systemic inflammatory cytokine production in vivo. <i>Translational Research</i> , <b>2008</b> , 152, 213-24	11	50
63	Interleukin-6 Receptor Antagonists in Critically Ill Patients with Covid-19 [Preliminary report]		42
62	Respiratory Microbiome Profiling for Etiologic Diagnosis of Pneumonia in Mechanically Ventilated Patients. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1413	5.7	39
61	Effect of Convalescent Plasma on Organ Support-Free Days in Critically Ill Patients With COVID-19: A Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , <b>2021</b> , 326, 1690-1702	27.4	37
60	S1P2 receptor-dependent Rho-kinase activation mediates vasoconstriction in the murine pulmonary circulation induced by sphingosine 1-phosphate. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2010</b> , 299, L137-45	5.8	34
59	Host-Response Subphenotypes Offer Prognostic Enrichment in Patients With or at Risk for Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , <b>2019</b> , 47, 1724-1734	1.4	33
58	Nox2-dependent glutathionylation of endothelial NOS leads to uncoupled superoxide production and endothelial barrier dysfunction in acute lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2014</b> , 307, L987-97	5.8	31
57	Microbiome in lung explants of idiopathic pulmonary fibrosis: a case-control study in patients with end-stage fibrosis. <i>Thorax</i> , <b>2018</b> , 73, 481-484	7.3	31
56	The proinflammatory role of HECTD2 in innate immunity and experimental lung injury. <i>Science Translational Medicine</i> , <b>2015</b> , 7, 295ra109	17.5	30
55	Metagenomic identification of severe pneumonia pathogens in mechanically-ventilated patients: a feasibility and clinical validity study. <i>Respiratory Research</i> , <b>2019</b> , 20, 265	7.3	28
54	COVID-19 versus Non-COVID-19 Acute Respiratory Distress Syndrome: Comparison of Demographics, Physiologic Parameters, Inflammatory Biomarkers, and Clinical Outcomes. <i>Annals of the American Thoracic Society</i> , <b>2021</b> , 18, 1202-1210	4.7	20
53	SARS-CoV-2 Viremia is Associated with COVID-19 Severity and Predicts Clinical Outcomes. <i>Clinical Infectious Diseases</i> , <b>2021</b> ,	11.6	20
52	Inorganic nitrite improves components of the metabolic syndrome independent of weight change in a murine model of obesity and insulin resistance. <i>Journal of Physiology</i> , <b>2015</b> , 593, 3135-45	3.9	18
51	Effect of P2Y12 Inhibitors on Survival Free of Organ Support Among Non-Critically Ill Hospitalized Patients With COVID-19: A Randomized Clinical Trial.. <i>JAMA - Journal of the American Medical Association</i> , <b>2022</b> , 327, 227-236	27.4	18
50	Full Spectrum of LPS Activation in Alveolar Macrophages of Healthy Volunteers by Whole Transcriptomic Profiling. <i>PLoS ONE</i> , <b>2016</b> , 11, e0159329	3.7	18
49	Respiratory Tract Dysbiosis Is Associated with Worse Outcomes in Mechanically Ventilated Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> , 202, 1666-1677	10.2	18
48	Ketamine Infusion for Adjunct Sedation in Mechanically Ventilated Adults. <i>Pharmacotherapy</i> , <b>2018</b> , 38, 181-188	5.8	18
47	No evidence of hemoglobin damage by SARS-CoV-2 infection. <i>Haematologica</i> , <b>2020</b> , 105, 2769-2773	6.6	17

46	RING finger E3 ligase PPP1R11 regulates TLR2 signaling and innate immunity. <i>ELife</i> , <b>2016</b> , 5,	8.9	16
45	Increased Alternative Complement Pathway Function and Improved Survival during Critical Illness. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> , 202, 230-240	10.2	14
44	Exogenous glucose administration impairs glucose tolerance and pancreatic insulin secretion during acute sepsis in non-diabetic mice. <i>PLoS ONE</i> , <b>2013</b> , 8, e67716	3.7	14
43	Rectal Swabs from Critically Ill Patients Provide Discordant Representations of the Gut Microbiome Compared to Stool Samples. <i>MSphere</i> , <b>2019</b> , 4,	5	13
42	Single cell RNA sequencing identifies an early monocyte gene signature in acute respiratory distress syndrome. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	13
41	Therapeutic Effects of Endogenous Incretin Hormones and Exogenous Incretin-Based Medications in Sepsis. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2019</b> , 104, 5274-5284	5.6	12
40	Clinical Characterization of E-Cigarette, or Vaping, Product Use-associated Lung Injury in 36 Patients in Pittsburgh, Pennsylvania. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> , 201, 1303-1306	10.2	12
39	Doppler-defined pulmonary hypertension in medical intensive care unit patients: Retrospective investigation of risk factors and impact on mortality. <i>Pulmonary Circulation</i> , <b>2011</b> , 1, 95-102	2.7	11
38	Association between convalescent plasma treatment and mortality in COVID-19: a collaborative systematic review and meta-analysis of randomized clinical trials. <i>BMC Infectious Diseases</i> , <b>2021</b> , 21, 11704		11
37	The evolution of radiographic edema in ARDS and its association with clinical outcomes: A prospective cohort study in adult patients. <i>Journal of Critical Care</i> , <b>2020</b> , 56, 222-228	4	10
36	Topographic heterogeneity of lung microbiota in end-stage idiopathic pulmonary fibrosis: the Microbiome in Lung Explants-2 (MiLEs-2) study. <i>Thorax</i> , <b>2021</b> , 76, 239-247	7.3	9
35	Effect of Antiplatelet Therapy on Survival and Organ Support-Free Days in Critically Ill Patients With COVID-19: A Randomized Clinical Trial.. <i>JAMA - Journal of the American Medical Association</i> , <b>2022</b> ,	27.4	9
34	Early initiation of low-level parenteral dextrose induces an accelerated diabetic phenotype in septic C57BL/6J mice. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2016</b> , 41, 12-9	3	8
33	The RNFT2/IL-3R $\alpha$ axis regulates IL-3 signaling and innate immunity. <i>JCI Insight</i> , <b>2020</b> , 5,	9.9	8
32	Stimulation of the endogenous incretin glucose-dependent insulinotropic peptide by enteral dextrose improves glucose homeostasis and inflammation in murine endotoxemia. <i>Translational Research</i> , <b>2018</b> , 193, 1-12	11	8
31	Nocturnal Hypoxia Improves Glucose Disposal, Decreases Mitochondrial Efficiency, and Increases Reactive Oxygen Species in the Muscle and Liver of C57BL/6J Mice Independent of Weight Change. <i>Oxidative Medicine and Cellular Longevity</i> , <b>2018</b> , 2018, 9649608	6.7	8
30	The UPMC OPTIMISE-C19 (OPTimizing Treatment and Impact of Monoclonal antibodyS through Evaluation for COVID-19) trial: a structured summary of a study protocol for an open-label, pragmatic, comparative effectiveness platform trial with response-adaptive randomization. <i>Trials</i> , <b>2021</b> , 22, 363	2.8	7
29	Toll-like Receptor 8 Stability Is Regulated by Ring Finger 216 in Response to Circulating MicroRNAs. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2020</b> , 62, 157-167	5.7	7

28	Hyperinsulinemia predicts survival in a hyperglycemic mouse model of critical illness. <i>Critical Care Medicine</i> , <b>2009</b> , 37, 2596-603	1.4	6
27	KIAA0317 regulates pulmonary inflammation through SOCS2 degradation. <i>JCI Insight</i> , <b>2019</b> , 4,	9.9	5
26	A Learning Health System Randomized Trial of Monoclonal Antibodies for Covid-19		5
25	Lower Respiratory Tract Myeloid Cells Harbor SARS-Cov-2 and Display an Inflammatory Phenotype. <i>Chest</i> , <b>2021</b> , 159, 963-966	5.3	4
24	Bifurcated monocyte states are predictive of mortality in severe COVID-19 <b>2021</b> ,		4
23	Antibiotic de-escalation: observational causal inference and culture dependence. <i>Intensive Care Medicine</i> , <b>2016</b> , 42, 1647-1648	14.5	3
22	Sleep phenotype in the Townes mouse model of sickle cell disease. <i>Sleep and Breathing</i> , <b>2019</b> , 23, 333-339	3.1	3
21	Rationale for and Design of the Study of Early Enteral Dextrose in Sepsis: A Pilot Placebo-Controlled Randomized Clinical Trial. <i>Journal of Parenteral and Enteral Nutrition</i> , <b>2020</b> , 44, 541-547	4.2	3
20	Improved Detection of Culprit Pathogens by Bacterial DNA Sequencing Affects Antibiotic Management Decisions in Severe Pneumonia. <i>American Journal of Case Reports</i> , <b>2018</b> , 19, 1405-1409	1.3	3
19	Closing the Loop: Engaging Leaders and Front-Line Physicians to Promote Physician Wellness. <i>Annals of the American Thoracic Society</i> , <b>2019</b> , 16, 970-973	4.7	2
18	A Quality Improvement Evaluation of a Primary As-Needed Light Sedation Protocol in Mechanically Ventilated Adults <b>2020</b> , 2, e0264		2
17	Monitoring Research Blood Sampling in Critically Ill Patients: Avoiding Iatrogenic Anemia. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> , 202, 885-887	10.2	2
16	Physiologic Effects of Exogenous Dextrose in Murine Sepsis Vary by Route of Provision. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	2
15	Association of the systemic host immune response with acute hyperglycemia in mechanically ventilated septic patients. <i>PLoS ONE</i> , <b>2021</b> , 16, e0248853	3.7	2
14	Plasma microbial cell-free DNA load is associated with mortality in patients with COVID-19. <i>Respiratory Research</i> , <b>2021</b> , 22, 24	7.3	2
13	Critically ill COVID-19 patients exhibit peripheral immune profiles predictive of mortality and reflective of SARS-CoV-2 viral burden in the lung. <i>Cell Reports Medicine</i> , <b>2021</b> , 100476	18	1
12	Long-term outcomes of EVALI: a 1-year retrospective study. <i>Lancet Respiratory Medicine</i> , <b>2021</b> , 9, e112-e113	35.1	1
11	SCUBE1 Controls BMP2-Relevant Pulmonary Endothelial Function: Implications for Diagnostic Marker Development in Pulmonary Arterial Hypertension. <i>JACC Basic To Translational Science</i> , <b>2020</b> , 5, 1073-1092	8.7	1

10	Circulating microbial cell-free DNA is associated with inflammatory host-responses in severe pneumonia. <i>Thorax</i> , <b>2021</b> , 76, 1231-1235	7.3	1
9	CD4+ T cell lymphopenia and dysfunction in severe COVID-19 disease is autocrine TNF- $\alpha$ /TNFRI-dependent		1
8	245. Plasma and Respiratory Specimen Metagenomic Sequencing for the Diagnosis of Severe Pneumonia in Mechanically-Ventilated Patients. <i>Open Forum Infectious Diseases</i> , <b>2019</b> , 6, S138-S138	1	1
7	Biomarker-Based Classification of Patients With Acute Respiratory Failure Into Inflammatory Subphenotypes: A Single-Center Exploratory Study <b>2021</b> , 3, e0518		1
6	Protein arginine N-methyltransferase 4 (PRMT4) contributes to lymphopenia in experimental sepsis.. <i>Thorax</i> , <b>2022</b> ,	7.3	1
5	Endotoxin stabilizes protein arginine methyltransferase 4 (PRMT4) protein triggering death of lung epithelia. <i>Cell Death and Disease</i> , <b>2021</b> , 12, 828	9.8	0
4	The Microbiome in Acute Lung Injury and ARDS. <i>Respiratory Medicine</i> , <b>2022</b> , 261-290	0.2	
3	A Pilot Double-Blind Placebo-Controlled Randomized Clinical Trial to Investigate the Effects of Early Enteral Nutrients in Sepsis <b>2021</b> , 3, e550		
2	AMP Kinase Activation Attenuates Cardiac Remodeling in Pulmonary Hypertension due to Heart Failure with Preserved Ejection Fraction; Lung Epithelial Progenitor Cells in Alveolar Regeneration; and Drug Discovery and Novel Therapies for Lung Cancer. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2019</b> , 60, 244-247	5.7	
1	Comparison of three cisatracurium dosing strategies in acute respiratory distress syndrome: A focus on drug utilization and improvement in oxygenation. <i>Journal of Critical Care</i> , <b>2021</b> , 66, 166-172	4	