Gerard F Curley

List of Publications by Year
in descending order

85 papers	6,026 citations	109264 35 h-index	74108 75 g-index
87 all docs	87 docs citations	87 times ranked	7594 citing authors

#	Article	IF	Citations
1	The Analgesic Efficacy of Transversus Abdominis Plane Block After Abdominal Surgery: A Prospective Randomized Controlled Trial. Anesthesia and Analgesia, 2007, 104, 193-197.	1.1	746
2	The Analgesic Efficacy of Transversus Abdominis Plane Block After Cesarean Delivery: A Randomized Controlled Trial. Anesthesia and Analgesia, 2008, 106, 186-191.	1.1	585
3	Characterization of the Inflammatory Response to Severe COVID-19 Illness. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 812-821.	2.5	487
4	Global patient outcomes after elective surgery: prospective cohort study in 27 low-, middle- and high-income countries. British Journal of Anaesthesia, 2016, 117, 601-609.	1.5	400
5	Mesenchymal stem cells enhance recovery and repair following ventilator-induced lung injury in the rat. Thorax, 2012, 67, 496-501.	2.7	238
6	Hypocapnia and the injured brain: More harm than benefit. Critical Care Medicine, 2010, 38, 1348-1359.	0.4	233
7	Persistent endotheliopathy in the pathogenesis of long COVID syndrome. Journal of Thrombosis and Haemostasis, 2021, 19, 2546-2553.	1.9	208
8	A comparison of tracheal intubation using the Airtraqï¿½or the Macintosh laryngoscope in routine airway management: a randomised, controlled clinical trial. Anaesthesia, 2006, 61, 1093-1099.	1.8	195
9	Biotrauma and Ventilator-Induced LungÂInjury. Chest, 2016, 150, 1109-1117.	0.4	176
10	Human mesenchymal stromal cells decrease the severity of acute lung injury induced by E. coli in the rat. Thorax, 2015, 70, 625-635.	2.7	163
11	Bench-to-bedside review: Carbon dioxide. Critical Care, 2010, 14, 220.	2.5	131
12	Interleukin-6: obstacles to targeting a complex cytokine in critical illness. Lancet Respiratory Medicine,the, 2021, 9, 643-654.	5.2	120
13	Ipsilateral Transversus Abdominis Plane Block Provides Effective Analgesia After Appendectomy in Children. Anesthesia and Analgesia, 2010, 111, 998-1003.	1.1	110
14	Geo-economic variations in epidemiology, patterns of care, and outcomes in patients with acute respiratory distress syndrome: insights from the LUNG SAFE prospective cohort study. Lancet Respiratory Medicine,the, 2017, 5, 627-638.	5.2	93
15	Effects of Intratracheal Mesenchymal Stromal Cell Therapy during Recovery and Resolution after Ventilator-induced Lung Injury. Anesthesiology, 2013, 118, 924-932.	1.3	92
16	The surgical safety checklist and patient outcomes after surgery: a prospective observational cohort study, systematic review and meta-analysis. British Journal of Anaesthesia, 2018, 120, 146-155.	1.5	92
17	Von Willebrand factor propeptide in severe coronavirus disease 2019 (COVIDâ€19): evidence of acute and sustained endothelial cell activation. British Journal of Haematology, 2021, 192, 714-719.	1.2	92
18	Prevention of pressure ulcers among individuals cared for in the prone position: lessons for the COVID-19 emergency. Journal of Wound Care, 2020, 29, 312-320.	0.5	86

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19	Clinical review: Stem cell therapies for acute lung injury/acute respiratory distress syndrome - hope or hype?. Critical Care, 2012, 16, 205.	2.5	85
20	Restrictive compared with liberal red cell transfusion strategies in cardiac surgery: a meta-analysis. European Heart Journal, 2019, 40, 1081-1088.	1.0	85
21	Hypercapnia and Acidosis in Sepsis. Anesthesiology, 2010, 112, 462-472.	1.3	83
22	Transfusion Triggers for Guiding RBC Transfusion for Cardiovascular Surgery. Critical Care Medicine, 2014, 42, 2611-2624.	0.4	80
23	Hypercapnic acidosis attenuates ventilation-induced lung injury by a nuclear factor-Î²Bâ€“dependent mechanism. Critical Care Medicine, 2012, 40, 2622-2630.	0.4	77
24	A linear prognostic score based on the ratio of interleukin-6 to interleukin-10 predicts outcomes in COVID-19. EBioMedicine, 2020, 61, 103026.	2.7	77
25	Extracellular Vesicles from Interferon-Î³â€“primed Human Umbilical Cord Mesenchymal Stromal Cells Reduce Escherichia coliâ€“induced Acute Lung Injury in Rats. Anesthesiology, 2019, 130, 778-790.	1.3	73
26	Efficacy and safety of erythropoietin and iron therapy to reduce red blood cell transfusion in surgical patients: a systematic review and meta-analysis. Canadian Journal of Anaesthesia, 2019, 66, 716-731.	0.7	71
27	Cryopreserved, Xeno-Free Human Umbilical Cord Mesenchymal Stromal Cells Reduce Lung Injury Severity and Bacterial Burden in Rodent Escherichia coliâ€“Induced Acute Respiratory Distress Syndrome. Critical Care Medicine, 2017, 45, e202-e212.	0.4	67
28	Mesenchymal stromal cells are more effective than the MSC secretome in diminishing injury and enhancing recovery following ventilator-induced lung injury. Intensive Care Medicine Experimental, 2015, 3, 29.	0.9	64
29	COVID-19 symptoms at hospital admission vary with age and sex: results from the ISARIC prospective multinational observational study. Infection, 2021, 49, 889-905.	2.3	62
30	ADAMTS13 regulation of VWF multimer distribution in severe COVIDâ€19. Journal of Thrombosis and Haemostasis, 2021, 19, 1914-1921.	1.9	58
31	Therapeutic Efficacy of Human Mesenchymal Stromal Cells in the Repair of Established Ventilator-induced Lung Injury in the Rat. Anesthesiology, 2015, 122, 363-373.	1.3	57
32	Mesenchymal stem cells enhance NOX2-dependent reactive oxygen species production and bacterial killing in macrophages during sepsis. European Respiratory Journal, 2018, 51, 1702021.	3.1	53
33	SARS-CoV-2 uses major endothelial integrin Î±vÎ²3 to cause vascular dysregulation in-vitro during COVID-19. PLoS ONE, 2021, 16, e0253347.	1.1	48
34	Can 'permissive' hypercapnia modulate the severity of sepsis-induced ALI/ARDS?. Critical Care, 2011, 15, 212.	2.5	40
35	Evolution of the Inflammatory and Fibroproliferative Responses during Resolution and Repair after Ventilator-induced Lung Injury in the Rat. Anesthesiology, 2011, 115, 1022-1032.	1.3	36
36	Modulating the distribution and fate of exogenously delivered MSCs to enhance therapeutic potential: knowns and unknowns. Intensive Care Medicine Experimental, 2019, 7, 41.	0.9	35

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37	Dysregulated plasma lipid mediator profiles in critically ill COVID-19 patients. PLoS ONE, 2021, 16, e0256226.	1.1	34
38	Intra-vital imaging of mesenchymal stromal cell kinetics in the pulmonary vasculature during infection. Scientific Reports, 2021, 11, 5265.	1.6	31
39	Outcomes of Patients Presenting with Mild Acute Respiratory Distress Syndrome. Anesthesiology, 2019, 130, 263-283.	1.3	28
40	Initial Assessment of the Percutaneous Electrical Phrenic Nerve Stimulation System in Patients on Mechanical Ventilation. Critical Care Medicine, 2020, 48, e362-e370.	0.4	26
41	Therapeutic Potential and Mechanisms of Action of Mesenchymal Stromal Cells for Acute Respiratory Distress Syndrome. Current Stem Cell Research and Therapy, 2014, 9, 319-329.	0.6	25
42	Inhibition of pulmonary nuclear factor kappa-B decreases the severity of acute Escherichia coli pneumonia but worsens prolonged pneumonia. Critical Care, 2013, 17, R82.	2.5	24
43	Repair of Acute Respiratory Distress Syndrome by Stromal Cell Administration in COVID-19 (REALIST-COVID-19): A structured summary of a study protocol for a randomised, controlled trial. Trials, 2020, 21, 462.	0.7	24
44	CrossTalk proposal: There is added benefit to providing permissive hypercapnia in the treatment of ARDS. Journal of Physiology, 2013, 591, 2763-2765.	1.3	22
45	Repair of acute respiratory distress syndrome by stromal cell administration (REALIST) trial: A phase 1 trial. EClinicalMedicine, 2021, 41, 101167.	3.2	22
46	Overexpression of pulmonary extracellular superoxide dismutase attenuates endotoxin-induced acute lung injury. Intensive Care Medicine, 2011, 37, 1680-7.	3.9	20
47	Inhibition of Vascular Endothelial Cell Leak Following Escherichia coli Attachment in an Experimental Model of Sepsis. Critical Care Medicine, 2018, 46, e805-e810.	0.4	20
48	VEGF: Potential therapy for renal regeneration. F1000 Medicine Reports, 2012, 4, 2.	2.9	20
49	Prone positioning improves oxygenation and lung recruitment in patients with SARS-CoV-2 acute respiratory distress syndrome; a single centre cohort study of 20 consecutive patients. BMC Research Notes, 2021, 14, 20.	0.6	19
50	Facial pressure injuries and the COVID-19 pandemic: skin protection care to enhance staff safety in an acute hospital setting. Journal of Wound Care, 2021, 30, 162-170.	0.5	17
51	The economic impact of pressure ulcers among patients in intensive care units. A systematic review. Journal of Tissue Viability, 2021, 30, 168-177.	0.9	17
52	A randomized, double-blind, placebo-controlled trial of intravenous alpha-1 antitrypsin for ARDS secondary to COVID-19. Med, 2022, 3, 233-248.e6.	2.2	17
53	Human Umbilical Cord Mesenchymal Stromal Cells Attenuate Systemic Sepsis in Part by Enhancing Peritoneal Macrophage Bacterial Killing via Heme Oxygenase-1 Induction in Rats. Anesthesiology, 2020, 132, 140-154.	1.3	16
54	Alpha-1 antitrypsin for cystic fibrosis complicated by severe cytokinemic COVID-19. Journal of Cystic Fibrosis, 2021, 20, 31-35.	0.3	16

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55	Noninvasive respiratory support for acute respiratory failure-high flow nasal cannula oxygen or non-invasive ventilation?. Journal of Thoracic Disease, 2015, 7, 1092-7.	0.6	16
56	Effects of brain tissue oxygen (PbtO2) guided management on patient outcomes following severe traumatic brain injury: A systematic review and meta-analysis. Journal of Clinical Neuroscience, 2022, 99, 349-358.	0.8	16
57	Acidosis in the critically ill - balancing risks and benefits to optimize outcome. Critical Care, 2014, 18, 129.	2.5	15
58	A new perspective in sepsis treatment: could RGD-dependent integrins be novel targets?. Drug Discovery Today, 2020, 25, 2317-2325.	3.2	12
59	COVID-19 in adults: test menu for hospital blood science laboratories. Irish Journal of Medical Science, 2020, 189, 1147-1152.	0.8	12
60	Death in hospital following ICU discharge: insights from the LUNG SAFE study. Critical Care, 2021, 25, 144.	2.5	12
61	Rapid sequence induction with rocuronium - a challenge to the gold standard. Critical Care, 2011, 15, 190.	2.5	11
62	The Swan-Ganz Catheter Remains a Critically Important Component of Monitoring in Cardiovascular Critical Care. Canadian Journal of Cardiology, 2017, 33, 142-147.	0.8	11
63	Hypocapnia and the injured brain: Evidence for harm. Critical Care Medicine, 2011, 39, 229-230.	0.4	9
64	Pulmonary overexpression of inhibitor Î²BÎ± decreases the severity of ventilator-induced lung injury in a rat model. British Journal of Anaesthesia, 2014, 113, 1046-1054.	1.5	9
65	A randomised, double-blind, placebo-controlled, pilot trial of intravenous plasma purified alpha-1 antitrypsin for SARS-CoV-2-induced Acute Respiratory Distress Syndrome: a structured summary of a study protocol for a randomised, controlled trial. Trials, 2021, 22, 288.	0.7	9
66	Stem cells for respiratory failure. Current Opinion in Critical Care, 2015, 21, 42-49.	1.6	8
67	The Royal College of surgeons multidisciplinary guidelines on elective tracheostomy insertion in COVID-19 ventilated patients. Journal of the Royal College of Surgeons of Edinburgh, 2021, 19, e265-e269.	0.8	8
68	Lung stem cells - from an evolving understanding to a paradigm shift?. Stem Cell Research and Therapy, 2011, 2, 41.	2.4	7
69	Update in Critical Care 2015. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 19-25.	2.5	7
70	Supervision, Interprofessional Collaboration, and Patient Safety in Intensive Care Units during the COVID-19 Pandemic. ATS Scholar, 2021, 2, 397-414.	0.5	7
71	Cell therapy demonstrates promise for acute respiratory distress syndrome - but which cell is best?. Stem Cell Research and Therapy, 2013, 4, 29.	2.4	6
72	Future therapies for ARDS. Intensive Care Medicine, 2015, 41, 322-326.	3.9	6

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73	Whatâ€™s new in cell therapies in ARDS?. Intensive Care Medicine, 2016, 42, 779-782.	3.9	6
74	Hypocapnia and Hypercapnia. , 2016, , 1527-1546.e8.		6
75	EEG in the Pediatric Intensive Care Unitâ€"An Irish Experience. Journal of Clinical Neurophysiology, 2019, Publish Ahead of Print, 130-134.	0.9	6
76	Î±1-Antitrypsin: Key Player or Bystander in Acute Respiratory Distress Syndrome?. Anesthesiology, 2021, 134, 792-808.	1.3	6
77	Repair of acute respiratory distress syndrome by stromal cell administration (REALIST): a structured study protocol for an open-label dose-escalation phase 1 trial followed by a randomised, triple-blind, allocation concealed, placebo-controlledÂphase 2 trial. Trials, 2022, 23, 401.	0.7	3
78	Hypocapnia induced cerebral ischaemia during therapeutic hypothermiaâ€"Potential for harm?. Resuscitation, 2011, 82, 1122-1123.	1.3	2
79	The Goldilocks Principle, Carbon Dioxide, and Acute Respiratory Distress Syndrome. Anesthesiology, 2016, 124, 532-534.	1.3	2
80	Rebuttal from Gerard F. Curley, John G. Laffey and Brian P. Kavanagh. Journal of Physiology, 2013, 591, 2771-2772.	1.3	1
81	Year in review 2013: Critical Care- respirology. Critical Care, 2014, 18, 577.	2.5	1
82	Clinical Trial Design in Prevention and Treatment of Acute Respiratory Distress Syndrome. Clinics in Chest Medicine, 2014, 35, 713-727.	0.8	1
83	The authors reply. Critical Care Medicine, 2017, 45, e737-e738.	0.4	0
84	Mesenchymal Stromal Cell Microparticles Enhance Lung Endothelial Barrier Through CD44 and the S1P/ceramide Rheostat. FASEB Journal, 2018, 32, 917.4.	0.2	0
85	Ca 2+ Signaling and Barrier Function of Lung Microvascular Endothelial Cells are Modulated by Mesenchymal Stromal Cell Microparticles. FASEB Journal, 2019, 33, 845.6.	0.2	0