

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.

96 papers	9,998 citations	30 h-index	99 g-index
114 ext. papers	12,570 ext. citations	10.5 avg, IF	5.26 L-index

#	Paper	IF	Citations
96	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
95	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012 , 8, 445-544	10.2	2783
94	Early parenteral nutrition evokes a phenotype of autophagy deficiency in liver and skeletal muscle of critically ill rabbits. <i>Endocrinology</i> , 2012 , 153, 2267-76	4.8	614
93	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , 2021 , 17, 1-382	10.2	440
92	Effect of tolerating macronutrient deficit on the development of intensive-care unit acquired weakness: a subanalysis of the EPaNIC trial. <i>Lancet Respiratory Medicine</i> , 2013 , 1, 621-629	35.1	190
91	Insufficient activation of autophagy allows cellular damage to accumulate in critically ill patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2011 , 96, E633-45	5.6	148
90	Insufficient autophagy contributes to mitochondrial dysfunction, organ failure, and adverse outcome in an animal model of critical illness. <i>Critical Care Medicine</i> , 2013 , 41, 182-94	1.4	102
89	Discriminating mild from critical COVID-19 by innate and adaptive immune single-cell profiling of bronchoalveolar lavages. <i>Cell Research</i> , 2021 , 31, 272-290	24.7	102
88	Autoantibodies neutralizing type I IFNs are present in 4% of uninfected individuals over 70 years old and account for 20% of COVID-19 deaths. <i>Science Immunology</i> , 2021 , 6,	28	91
87	International recommendations for glucose control in adult non diabetic critically ill patients. <i>Critical Care</i> , 2010 , 14, R166	10.8	81
86	Impact of early parenteral nutrition on catabolism. <i>Critical Care</i> , 2013 , 17,	10.8	78
85	AKIpredictor, an online prognostic calculator for acute kidney injury in adult critically ill patients: development, validation and comparison to serum neutrophil gelatinase-associated lipocalin. <i>Intensive Care Medicine</i> , 2017 , 43, 764-773	14.5	70
84	Effect of early supplemental parenteral nutrition in the paediatric ICU: a preplanned observational study of post-randomisation treatments in the PEPaNIC trial. <i>Lancet Respiratory Medicine</i> , 2017 , 5, 475-483	35.1	70
83	X-linked recessive TLR7 deficiency in ~1% of men under 60 years old with life-threatening COVID-19. <i>Science Immunology</i> , 2021 , 6,	28	67
82	Continuous glucose monitoring in the ICU: clinical considerations and consensus. <i>Critical Care</i> , 2017 , 21, 197	10.8	65
81	The impact of using estimated GFR versus creatinine clearance on the evaluation of recovery from acute kidney injury in the ICU. <i>Intensive Care Medicine</i> , 2014 , 40, 1709-17	14.5	65
80	Impact of early parenteral nutrition on metabolism and kidney injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2013 , 24, 995-1005	12.7	61

79	Monocyte-driven atypical cytokine storm and aberrant neutrophil activation as key mediators of COVID-19 disease severity. <i>Nature Communications</i> , 2021 , 12, 4117	17.4	53
78	Visualizing in deceased COVID-19 patients how SARS-CoV-2 attacks the respiratory and olfactory mucosae but spares the olfactory bulb. <i>Cell</i> , 2021 , 184, 5932-5949.e15	56.2	51
77	Alterations in adipose tissue during critical illness: An adaptive and protective response?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010 , 182, 507-16	10.2	50
76	Hyperglycemic kidney damage in an animal model of prolonged critical illness. <i>Kidney International</i> , 2009 , 76, 512-20	9.9	50
75	Intensive care unit acquired muscle weakness in COVID-19 patients. <i>Intensive Care Medicine</i> , 2020 , 46, 2083-2085	14.5	46
74	Five-year impact of ICU-acquired neuromuscular complications: a prospective, observational study. <i>Intensive Care Medicine</i> , 2020 , 46, 1184-1193	14.5	41
73	Epidemiology of intra-abdominal infection and sepsis in critically ill patients: "AbSeS", a multinational observational cohort study and ESICM Trials Group Project. <i>Intensive Care Medicine</i> , 2019 , 45, 1703-1717	14.5	40
72	Impact of hyperglycemia on neuropathological alterations during critical illness. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, 2113-23	5.6	38
71	Endocrine and Metabolic Alterations in Sepsis and Implications for Treatment. <i>Critical Care Clinics</i> , 2018 , 34, 81-96	4.5	36
70	Blood glucose control in the intensive care unit: benefits and risks. <i>Seminars in Dialysis</i> , 2010 , 23, 157-62	2.5	36
69	Critical illness induces alternative activation of M2 macrophages in adipose tissue. <i>Critical Care</i> , 2011 , 15, R245	10.8	33
68	Improving glycemic control in critically ill patients: personalized care to mimic the endocrine pancreas. <i>Critical Care</i> , 2018 , 22, 182	10.8	32
67	Glucose control in the ICU. <i>Current Opinion in Anaesthesiology</i> , 2019 , 32, 156-162	2.9	31
66	Autophagy and Its Implications Against Early Full Nutrition Support in Critical Illness. <i>Nutrition in Clinical Practice</i> , 2018 , 33, 339-347	3.6	30
65	Management of the brain-dead donor in the ICU: general and specific therapy to improve transplantable organ quality. <i>Intensive Care Medicine</i> , 2019 , 45, 343-353	14.5	29
64	FGF21 Response to Critical Illness: Effect of Blood Glucose Control and Relation With Cellular Stress and Survival. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015 , 100, E1319-27	5.6	29
63	Gastrointestinal dysfunction in the critically ill: a systematic scoping review and research agenda proposed by the Section of Metabolism, Endocrinology and Nutrition of the European Society of Intensive Care Medicine. <i>Critical Care</i> , 2020 , 24, 224	10.8	29
62	Mitochondrial fusion, fission, and biogenesis in prolonged critically ill patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, E59-64	5.6	29

61	Recovery from AKI in the critically ill: potential confounders in the evaluation. <i>Intensive Care Medicine</i> , 2015 , 41, 1648-57	14.5	28
60	Venous Thromboembolism in Patients Discharged after COVID-19 Hospitalization. <i>Seminars in Thrombosis and Hemostasis</i> , 2021 , 47, 362-371	5.3	25
59	Increased IL-10-producing regulatory T cells are characteristic of severe cases of COVID-19. <i>Clinical and Translational Immunology</i> , 2020 , 9, e1204	6.8	24
58	Five-year mortality and morbidity impact of prolonged versus brief ICU stay: a propensity score matched cohort study. <i>Thorax</i> , 2019 , 74, 1037-1045	7.3	22
57	Amino acid supplements in critically ill patients. <i>Pharmacological Research</i> , 2018 , 130, 127-131	10.2	21
56	Blood glucose control in the ICU: don't throw out the baby with the bathwater!. <i>Intensive Care Medicine</i> , 2016 , 42, 1478-81	14.5	19
55	Critical Care Management of Stress-Induced Hyperglycemia. <i>Current Diabetes Reports</i> , 2018 , 18, 17	5.6	18
54	Critical illness-induced bone loss is related to deficient autophagy and histone hypomethylation. <i>Intensive Care Medicine Experimental</i> , 2015 , 3, 52	3.7	16
53	Indication and practical use of intensive insulin therapy in the critically ill. <i>Current Opinion in Critical Care</i> , 2007 , 13, 392-8	3.5	15
52	Kinetics of peripheral blood neutrophils in severe coronavirus disease 2019. <i>Clinical and Translational Immunology</i> , 2021 , 10, e1271	6.8	14
51	Parenteral nutrition in the critically ill. <i>Current Opinion in Critical Care</i> , 2017 , 23, 149-158	3.5	11
50	Monitoring and parenteral administration of micronutrients, phosphate and magnesium in critically ill patients: The VITA-TRACE survey. <i>Clinical Nutrition</i> , 2021 , 40, 590-599	5.9	11
49	A randomized, open-label, adaptive, proof-of-concept clinical trial of modulation of host thromboinflammatory response in patients with COVID-19: the DAWn-Antico study. <i>Trials</i> , 2020 , 21, 1005	2.8	10
48	Clinical practices underlie COVID-19 patient respiratory microbiome composition and its interactions with the host. <i>Nature Communications</i> , 2021 , 12, 6243	17.4	9
47	The metabolic fingerprint of COVID-19 severity		9
46	Role of glucagon in protein catabolism. <i>Current Opinion in Critical Care</i> , 2018 , 24, 228-234	3.5	8
45	Anterior pituitary morphology and hormone production during sustained critical illness in a rabbit model. <i>Hormone and Metabolic Research</i> , 2013 , 45, 277-82	3.1	8
44	Towards a fasting-mimicking diet for critically ill patients: the pilot randomized crossover ICU-FM-1 study. <i>Critical Care</i> , 2020 , 24, 249	10.8	7

43	Atypical response to bacterial co-infection and persistent neutrophilic broncho-alveolar inflammation distinguish critical COVID-19 from influenza. <i>JCI Insight</i> , 2021 ,	9.9	7
42	Secondary sclerosing cholangitis: an emerging complication in critically ill COVID-19 patients. <i>Intensive Care Medicine</i> , 2021 , 47, 1037-1040	14.5	7
41	Intensive Care Nutrition and Post-Intensive Care Recovery. <i>Critical Care Clinics</i> , 2018 , 34, 573-583	4.5	6
40	Enhanced immunoreceptor tyrosine-based activation motif signaling is related to pathological bone resorption during critical illness. <i>Hormone and Metabolic Research</i> , 2013 , 45, 862-9	3.1	6
39	Clinical benefits of tight glycaemic control: effect on the kidney. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , 2009 , 23, 431-9	4	6
38	Establishing a Unified COVID-19 "Immunome": Integrating Coronavirus Pathogenesis and Host Immunopathology. <i>Frontiers in Immunology</i> , 2020 , 11, 1642	8.4	6
37	Effect of withholding early parenteral nutrition in PICU on ketogenesis as potential mediator of its outcome benefit. <i>Critical Care</i> , 2020 , 24, 536	10.8	6
36	Tight Glycemic Control in Critically Ill Children. <i>New England Journal of Medicine</i> , 2017 , 376, e48	59.2	5
35	Hypophosphatemia in critically ill adults and children - A systematic review. <i>Clinical Nutrition</i> , 2021 , 40, 1744-1754	5.9	5
34	Impact of withholding early parenteral nutrition in adult critically ill patients on ketogenesis in relation to outcome. <i>Critical Care</i> , 2021 , 25, 102	10.8	4
33	Paediatric endocrinology: Critical illness - another trial, but are we any wiser?. <i>Nature Reviews Endocrinology</i> , 2017 , 13, 254-256	15.2	3
32	Hyperglycemia and insulin resistance in COVID-19 versus non-COVID critical illness: Are they really different?. <i>Critical Care</i> , 2021 , 25, 437	10.8	3
31	Monocyte-Driven Atypical Cytokine Storm and Aberrant Neutrophil Activation as Key Mediators of COVID19 Disease Severity. <i>SSRN Electronic Journal</i> ,	1	3
30	High dimensional profiling identifies specific immune types along the recovery trajectories of critically ill COVID19 patients. <i>Cellular and Molecular Life Sciences</i> , 2021 , 78, 3987-4002	10.3	3
29	Antimicrobial Lessons From a Large Observational Cohort on Intra-abdominal Infections in Intensive Care Units. <i>Drugs</i> , 2021 , 81, 1065-1078	12.1	3
28	Prevalence of hypophosphatemia in the ICU - Results of an international one-day point prevalence survey. <i>Clinical Nutrition</i> , 2021 , 40, 3615-3621	5.9	3
27	Glycaemic control and perioperative organ protection. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , 2008 , 22, 135-49	4	2
26	The clinical potential of GDF15 as a "ready-to-feed indicator" for critically ill adults. <i>Critical Care</i> , 2020 , 24, 557	10.8	2

25	Five-year outcome of respiratory muscle weakness at intensive care unit discharge: secondary analysis of a prospective cohort study. <i>Thorax</i> , 2021 , 76, 561-567	7.3	2
24	Propofol-infusion syndrome in traumatic brain injury: consider the ECMO option. <i>Intensive Care Medicine</i> , 2021 , 47, 127-129	14.5	2
23	Is protein intake saturated at doses recommended by the feeding guidelines for critically ill patients?. <i>Critical Care</i> , 2018 , 22, 230	10.8	2
22	Impact of early versus late parenteral nutrition on morphological and molecular markers of atrophy and autophagy in skeletal muscle of critically ill patients. <i>Critical Care</i> , 2013 , 17,	10.8	1
21	Insufficient autophagy relates to mitochondrial dysfunction, organ failure and adverse outcome in an animal model of critical illness. <i>Critical Care</i> , 2012 , 16,	10.8	1
20	Lung transplant outcome following donation after euthanasia.. <i>Journal of Heart and Lung Transplantation</i> , 2022 ,	5.8	1
19	C-reactive protein rise in response to macronutrient deficit early in critical illness: sign of inflammation or mediator of infection prevention and recovery. <i>Intensive Care Medicine</i> , 2021 , 48, 25	14.5	1
18	Obesity attenuates inflammation, protein catabolism, dyslipidaemia, and muscle weakness during sepsis, independent of leptin.. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022 ,	10.3	1
17	Are periods of feeding and fasting protective during critical illness?. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2021 , 24, 183-188	3.8	1
16	Clinical practices underlie COVID-19 patient respiratory microbiome composition and its interactions with the host		1
15	Intermittent Fasting: No Benefit, or Too Fast to Waste?. <i>Chest</i> , 2020 , 158, 2707	5.3	1
14	Continuous Assessment of Gastric Motility and Its Relation to Gastric Emptying in Adult Critically Ill Patients. <i>Journal of Parenteral and Enteral Nutrition</i> , 2021 , 45, 1779-1784	4.2	1
13	Role of ketones, ketogenic diets and intermittent fasting in ICU. <i>Current Opinion in Critical Care</i> , 2021 , 27, 385-389	3.5	1
12	The gut in COVID-19. <i>Intensive Care Medicine</i> , 2021 , 47, 1024-1027	14.5	1
11	Optimising early nutritional support for medical inpatients. <i>Lancet, The</i> , 2019 , 394, 2069	4.0	1
10	Indirect calorimetry: A faithful guide for nutrition therapy, or a fascinating research tool?. <i>Clinical Nutrition</i> , 2021 , 40, 651	5.9	1
9	Aerobic exercise capacity in long-term survivors of critical illness: secondary analysis of the post-EPaNIC follow-up study. <i>Intensive Care Medicine</i> , 2021 , 47, 1462-1471	14.5	0
8	Impact of tight glucose control on circulating 3-hydroxybutyrate in critically ill patients. <i>Critical Care</i> , 2021 , 25, 373	10.8	0

7	Glucose, Insulin, and the Kidney 2010 , 169-180		0
6	Thromboprophylaxis in COVID-19: Weight and severity adjusted intensified dosing.. <i>Research and Practice in Thrombosis and Haemostasis</i> , 2022 , 6, e12683	5.1	0
5	Persisting neuroendocrine abnormalities and their association with physical impairment 5 years after critical illness.. <i>Critical Care</i> , 2021 , 25, 430	10.8	0
4	Endocrine Responses to Critical Illness 2018 , 60-82		
3	Timing and Indication for Parenteral Nutrition in the Critically Ill 2016 , 81-97		
2	Glucose Control in the Intensive Care Unit 2020 , 579-589		
1	Targeted treatment of iron deficiency in prolonged critical illness: an opportunity to improve survival or not?. <i>Critical Care</i> , 2021 , 25, 188	10.8	