Jan Gunst

List of Publications by Year in Descending Order

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	Lung transplant outcome following donation after euthanasia.. *Journal of Heart and Lung Transplantation*, **2022**,	5.8	1
95	Obesity attenuates inflammation, protein catabolism, dyslipidaemia, and muscle weakness during sepsis, independent of leptin.. *Journal of Cachexia, Sarcopenia and Muscle*, **2022**,	10.3	1
94	Thromboprophylaxis in COVID-19: Weight and severity adjusted intensified dosing.. *Research and Practice in Thrombosis and Haemostasis*, **2022**, 6, e12683	5.1	0
93	Hyperglycemia and insulin resistance in COVID-19 versus non-COVID critical illness: Are they really different?. *Critical Care*, **2021**, 25, 437	10.8	3
92	Visualizing in deceased COVID-19 patients how SARS-CoV-2 attacks the respiratory and olfactory mucosae but spares the olfactory bulb. *Cell*, **2021**, 184, 5932-5949.e15	56.2	51
91	Aerobic exercise capacity in long-term survivors of critical illness: secondary analysis of the post-EPaNIC follow-up study. *Intensive Care Medicine*, **2021**, 47, 1462-1471	14.5	0
90	Atypical response to bacterial co-infection and persistent neutrophilic broncho-alveolar inflammation distinguish critical COVID-19 from influenza. *JCI Insight*, **2021**,	9.9	7
89	C-reactive protein rise in response to macronutrient deficit early in critical illness: sign of inflammation or mediator of infection prevention and recovery. *Intensive Care Medicine*, **2021**, 48, 25	14.5	1
88	Impact of tight glucose control on circulating 3-hydroxybutyrate in critically ill patients. *Critical Care* , **2021**, 25, 373	10.8	0
87	Clinical practices underlie COVID-19 patient respiratory microbiome composition and its interactions with the host. *Nature Communications*, **2021**, 12, 6243	17.4	9
86	Are periods of feeding and fasting protective during critical illness?. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2021**, 24, 183-188	3.8	1
85	Continuous Assessment of Gastric Motility and Its Relation to Gastric Emptying in Adult Critically Ill Patients. *Journal of Parenteral and Enteral Nutrition*, **2021**, 45, 1779-1784	4.2	1
84	High dimensional profiling identifies specific immune types along the recovery trajectories of critically ill COVID19 patients. *Cellular and Molecular Life Sciences*, **2021**, 78, 3987-4002	10.3	3
83	Five-year outcome of respiratory muscle weakness at intensive care unit discharge: secondary analysis of a prospective cohort study. *Thorax*, **2021**, 76, 561-567	7.3	2
82	Impact of withholding early parenteral nutrition in adult critically ill patients on ketogenesis in relation to outcome. *Critical Care*, **2021**, 25, 102	10.8	4
81	Venous Thromboembolism in Patients Discharged after COVID-19 Hospitalization. *Seminars in Thrombosis and Hemostasis*, **2021**, 47, 362-371	5.3	25
80	Role of ketones, ketogenic diets and intermittent fasting in ICU. *Current Opinion in Critical Care*, **2021**, 27, 385-389	3.5	1

79	Antimicrobial Lessons From a Large Observational Cohort on Intra-abdominal Infections in Intensive Care Units. *Drugs*, **2021**, 81, 1065-1078	12.1	3
78	Prevalence of hypophosphatemia in the ICU - Results of an international one-day point prevalence survey. *Clinical Nutrition*, **2021**, 40, 3615-3621	5.9	3
77	Targeted treatment of iron deficiency in prolonged critical illness: an opportunity to improve survival or not?. *Critical Care*, **2021**, 25, 188	10.8	
76	Secondary sclerosing cholangitis: an emerging complication in critically ill COVID-19 patients. *Intensive Care Medicine*, **2021**, 47, 1037-1040	14.5	7
75	The gut in COVID-19. *Intensive Care Medicine*, **2021**, 47, 1024-1027	14.5	1
74	Monocyte-driven atypical cytokine storm and aberrant neutrophil activation as key mediators of COVID-19 disease severity. *Nature Communications*, **2021**, 12, 4117	17.4	53
73	Monitoring and parenteral administration of micronutrients, phosphate and magnesium in critically ill patients: The VITA-TRACE survey. *Clinical Nutrition*, **2021**, 40, 590-599	5.9	11
72	Propofol-infusion syndrome in traumatic brain injury: consider the ECMO option. *Intensive Care Medicine*, **2021**, 47, 127-129	14.5	2
71	Indirect calorimetry: A faithful guide for nutrition therapy, or a fascinating research tool?. *Clinical Nutrition*, **2021**, 40, 651	5.9	1
70	Hypophosphatemia in critically ill adults and children - A systematic review. *Clinical Nutrition*, **2021**, 40, 1744-1754	5.9	5
69	Autoantibodies neutralizing type I IFNs are present in 4% of uninfected individuals over 70 years old and account for 20% of COVID-19 deaths. *Science Immunology*, **2021**, 6,	28	91
68	X-linked recessive TLR7 deficiency in ~1% of men under 60 years old with life-threatening COVID-19. *Science Immunology*, **2021**, 6,	28	67
67	Discriminating mild from critical COVID-19 by innate and adaptive immune single-cell profiling of bronchoalveolar lavages. *Cell Research*, **2021**, 31, 272-290	24.7	102
66	Kinetics of peripheral blood neutrophils in severe coronavirus disease 2019. *Clinical and Translational Immunology*, **2021**, 10, e1271	6.8	14
65	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). *Autophagy*, **2021**, 17, 1-382	10.2	440
64	Persisting neuroendocrine abnormalities and their association with physical impairment 5 years after critical illness.. *Critical Care*, **2021**, 25, 430	10.8	0
63	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. *Trials*, **2020**, 21, 1005	2.8	10
62	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. *Critical Care*, **2020**, 24, 224	10.8	29

61	Five-year impact of ICU-acquired neuromuscular complications: a prospective, observational study. *Intensive Care Medicine*, **2020**, 46, 1184-1193	14.5	41
60	Towards a fasting-mimicking diet for critically ill patients: the pilot randomized crossover ICU-FM-1 study. *Critical Care*, **2020**, 24, 249	10.8	7
59	Glucose Control in the Intensive Care Unit **2020**, 579-589		
58	Intensive care unit acquired muscle weakness in COVID-19 patients. *Intensive Care Medicine*, **2020**, 46, 2083-2085	14.5	46
57	Intermittent Fasting: No Benefit, or Too Fast to Waste?. *Chest*, **2020**, 158, 2707	5.3	1
56	Increased IL-10-producing regulatory T cells are characteristic of severe cases of COVID-19. *Clinical and Translational Immunology*, **2020**, 9, e1204	6.8	24
55	Establishing a Unified COVID-19 "Immunome": Integrating Coronavirus Pathogenesis and Host Immunopathology. *Frontiers in Immunology*, **2020**, 11, 1642	8.4	6
54	Effect of withholding early parenteral nutrition in PICU on ketogenesis as potential mediator of its outcome benefit. *Critical Care*, **2020**, 24, 536	10.8	6
53	The clinical potential of GDF15 as a "ready-to-feed indicator" for critically ill adults. *Critical Care*, **2020**, 24, 557	10.8	2
52	Five-year mortality and morbidity impact of prolonged versus brief ICU stay: a propensity score matched cohort study. *Thorax*, **2019**, 74, 1037-1045	7.3	22
51	Glucose control in the ICU. *Current Opinion in Anaesthesiology*, **2019**, 32, 156-162	2.9	31
50	Management of the brain-dead donor in the ICU: general and specific therapy to improve transplantable organ quality. *Intensive Care Medicine*, **2019**, 45, 343-353	14.5	29
49	Epidemiology of intra-abdominal infection and sepsis in critically ill patients: "AbSeS", a multinational observational cohort study and ESICM Trials Group Project. *Intensive Care Medicine*, **2019**, 45, 1703-1717	14.5	40
48	Optimising early nutritional support for medical inpatients. *Lancet, The*, **2019**, 394, 2069	40	1
47	Critical Care Management of Stress-Induced Hyperglycemia. *Current Diabetes Reports*, **2018**, 18, 17	5.6	18
46	Autophagy and Its Implications Against Early Full Nutrition Support in Critical Illness. *Nutrition in Clinical Practice*, **2018**, 33, 339-347	3.6	30
45	Endocrine Responses to Critical Illness **2018**, 60-82		
44	Endocrine and Metabolic Alterations in Sepsis and Implications for Treatment. *Critical Care Clinics*, **2018**, 34, 81-96	4.5	36

43	Improving glycemic control in critically ill patients: personalized care to mimic the endocrine pancreas. *Critical Care*, **2018**, 22, 182	10.8	32
42	Intensive Care Nutrition and Post-Intensive Care Recovery. *Critical Care Clinics*, **2018**, 34, 573-583	4.5	6
41	Role of glucagon in protein catabolism. *Current Opinion in Critical Care*, **2018**, 24, 228-234	3.5	8
40	Amino acid supplements in critically ill patients. *Pharmacological Research*, **2018**, 130, 127-131	10.2	21
39	Is protein intake saturated at doses recommended by the feeding guidelines for critically ill patients?. *Critical Care*, **2018**, 22, 230	10.8	2
38	AKIpredictor, an online prognostic calculator for acute kidney injury in adult critically ill patients: development, validation and comparison to serum neutrophil gelatinase-associated lipocalin. *Intensive Care Medicine*, **2017**, 43, 764-773	14.5	70
37	Effect of early supplemental parenteral nutrition in the paediatric ICU: a preplanned observational study of post-randomisation treatments in the PEPaNIC trial. *Lancet Respiratory Medicine,the*, **2017**, 5, 475-483	35.1	70
36	Tight Glycemic Control in Critically Ill Children. *New England Journal of Medicine*, **2017**, 376, e48	59.2	5
35	Parenteral nutrition in the critically ill. *Current Opinion in Critical Care*, **2017**, 23, 149-158	3.5	11
34	Paediatric endocrinology: Critical illness - another trial, but are we any wiser?. *Nature Reviews Endocrinology*, **2017**, 13, 254-256	15.2	3
33	Continuous glucose monitoring in the ICU: clinical considerations and consensus. *Critical Care*, **2017**, 21, 197	10.8	65
32	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
31	Timing and Indication for Parenteral Nutrition in the Critically Ill **2016**, 81-97		
30	Blood glucose control in the ICU: don$t throw out the baby with the bathwater!. *Intensive Care Medicine*, **2016**, 42, 1478-81	14.5	19
29	Recovery from AKI in the critically ill: potential confounders in the evaluation. *Intensive Care Medicine*, **2015**, 41, 1648-57	14.5	28
28	FGF21 Response to Critical Illness: Effect of Blood Glucose Control and Relation With Cellular Stress and Survival. *Journal of Clinical Endocrinology and Metabolism*, **2015**, 100, E1319-27	5.6	29
27	Critical illness-induced bone loss is related to deficient autophagy and histone hypomethylation. *Intensive Care Medicine Experimental*, **2015**, 3, 52	3.7	16
26	The impact of using estimated GFR versus creatinine clearance on the evaluation of recovery from acute kidney injury in the ICU. *Intensive Care Medicine*, **2014**, 40, 1709-17	14.5	65

25	Impact of early parenteral nutrition on catabolism. *Critical Care*, **2013**, 17,	10.8	78
24	Impact of early versus late parenteral nutrition on morphological and molecular markers of atrophy and autophagy in skeletal muscle of critically ill patients. *Critical Care*, **2013**, 17,	10.8	1
23	Effect of tolerating macronutrient deficit on the development of intensive-care unit acquired weakness: a subanalysis of the EPaNIC trial. *Lancet Respiratory Medicine,the*, **2013**, 1, 621-629	35.1	190
22	Enhanced immunoreceptor tyrosine-based activation motif signaling is related to pathological bone resorption during critical illness. *Hormone and Metabolic Research*, **2013**, 45, 862-9	3.1	6
21	Anterior pituitary morphology and hormone production during sustained critical illness in a rabbit model. *Hormone and Metabolic Research*, **2013**, 45, 277-82	3.1	8
20	Impact of early parenteral nutrition on metabolism and kidney injury. *Journal of the American Society of Nephrology: JASN*, **2013**, 24, 995-1005	12.7	61
19	Insufficient autophagy contributes to mitochondrial dysfunction, organ failure, and adverse outcome in an animal model of critical illness. *Critical Care Medicine*, **2013**, 41, 182-94	1.4	102
18	Insufficient autophagy relates to mitochondrial dysfunction, organ failure and adverse outcome in an animal model of critical illness. *Critical Care*, **2012**, 16,	10.8	1
17	Mitochondrial fusion, fission, and biogenesis in prolonged critically ill patients. *Journal of Clinical Endocrinology and Metabolism*, **2012**, 97, E59-64	5.6	29
16	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
15	Impact of hyperglycemia on neuropathological alterations during critical illness. *Journal of Clinical Endocrinology and Metabolism*, **2012**, 97, 2113-23	5.6	38
14	Early parenteral nutrition evokes a phenotype of autophagy deficiency in liver and skeletal muscle of critically ill rabbits. *Endocrinology*, **2012**, 153, 2267-76	4.8	614
13	Critical illness induces alternative activation of M2 macrophages in adipose tissue. *Critical Care*, **2011**, 15, R245	10.8	33
12	Insufficient activation of autophagy allows cellular damage to accumulate in critically ill patients. *Journal of Clinical Endocrinology and Metabolism*, **2011**, 96, E633-45	5.6	148
11	Alterations in adipose tissue during critical illness: An adaptive and protective response?. *American Journal of Respiratory and Critical Care Medicine*, **2010**, 182, 507-16	10.2	50
10	International recommendations for glucose control in adult non diabetic critically ill patients. *Critical Care*, **2010**, 14, R166	10.8	81
9	Blood glucose control in the intensive care unit: benefits and risks. *Seminars in Dialysis*, **2010**, 23, 157-62	2.5	36
8	Glucose, Insulin, and the Kidney **2010**, 169-180		0

7	Hyperglycemic kidney damage in an animal model of prolonged critical illness. *Kidney International*, **2009**, 76, 512-20	9.9	50
6	Clinical benefits of tight glycaemic control: effect on the kidney. *Baillieres Best Practice and Research in Clinical Anaesthesiology*, **2009**, 23, 431-9	4	6
5	Glycaemic control and perioperative organ protection. *Baillieres Best Practice and Research in Clinical Anaesthesiology*, **2008**, 22, 135-49	4	2
4	Indication and practical use of intensive insulin therapy in the critically ill. *Current Opinion in Critical Care*, **2007**, 13, 392-8	3.5	15
3	Monocyte-Driven Atypical Cytokine Storm and Aberrant Neutrophil Activation as Key Mediators of COVID19 Disease Severity. *SSRN Electronic Journal*,	1	3
2	The metabolic fingerprint of COVID-19 severity		9
1	Clinical practices underlie COVID-19 patient respiratory microbiome composition and its interactions with the host		1