Jan Gunst

List of Publications by Year
in descending order

106 papers	14,456 citations	94433 37 h-index	31849 101 g-index
114 all docs	114 docs citations	114 times ranked	26538 citing authors

#	Article	IF	Citations
1	Development and validation of clinical prediction models for acute kidney injury recovery at hospital discharge in critically ill adults. Journal of Clinical Monitoring and Computing, 2023, 37, 113-125.	1.6	1
2	Atypical response to bacterial coinfection and persistent neutrophilic bronchoalveolar inflammation distinguish critical COVID-19 from influenza. JCI Insight, 2022, 7, .	5.0	38
3	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, 2022, 48, 25-35.	8.2	8
4	Obesity attenuates inflammation, protein catabolism, dyslipidaemia, and muscle weakness during sepsis, independent of leptin. Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 418-433.	7.3	15
5	Care of Diabetes in ICU and Perisurgery. , 2022, , 2091-2094.		0
6	Lung transplant outcome following donation after euthanasia. Journal of Heart and Lung Transplantation, 2022, 41, 745-754.	0.6	10
7	Critical Illnessâ€“induced Corticosteroid Insufficiency: What It Is Not and What It Could Be. Journal of Clinical Endocrinology and Metabolism, 2022, 107, 2057-2064.	3.6	20
8	Thromboprophylaxis in COVIDâ€19: Weight and severity adjusted intensified dosing. Research and Practice in Thrombosis and Haemostasis, 2022, 6, e12683.	2.3	4
9	Novel insights in endocrine and metabolic pathways in sepsis and gaps for future research. Clinical Science, 2022, 136, 861-878.	4.3	5
10	Monitoring and parenteral administration of micronutrients, phosphate and magnesium in critically ill patients: The VITA-TRACE survey. Clinical Nutrition, 2021, 40, 590-599.	5.0	23
11	Propofol-infusion syndrome in traumatic brain injury: consider the ECMO option. Intensive Care Medicine, 2021, 47, 127-129.	8.2	5
12	Indirect calorimetry: A faithful guide for nutrition therapy, or a fascinating research tool?. Clinical Nutrition, 2021, 40, 651.	5.0	5
13	Hypophosphatemia in critically ill adults and children â€“ A systematic review. Clinical Nutrition, 2021, 40, 1744-1754.	5.0	29
14	Stress hyperglycaemia and endocrine emergencies. , 2021, , 912-925.		0
15	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.	5.4	13
16	Five-year outcome of respiratory muscle weakness at intensive care unit discharge: secondary analysis of a prospective cohort study. Thorax, 2021, 76, 561-567.	5.6	11
17	Impact of withholding early parenteral nutrition in adult critically ill patients on ketogenesis in relation to outcome. Critical Care, 2021, 25, 102.	5.8	11
18	Venous Thromboembolism in Patients Discharged after COVID-19 Hospitalization. Seminars in Thrombosis and Hemostasis, 2021, 47, 362-371.	2.7	69

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19	Role of ketones, ketogenic diets and intermittent fasting in ICU. Current Opinion in Critical Care, 2021, 27, 385-389.	3.2	10
20	Antimicrobial Lessons From a Large Observational Cohort on Intra-abdominal Infections in Intensive Care Units. Drugs, 2021, 81, 1065-1078.	10.9	13
21	Prevalence of hypophosphatemia in the ICU â€“ Results of an international one-day point prevalence survey. Clinical Nutrition, 2021, 40, 3615-3621.	5.0	14
22	Targeted treatment of iron deficiency in prolonged critical illness: an opportunity to improve survival or not?. Critical Care, 2021, 25, 188.	5.8	0
23	Secondary sclerosing cholangitis: an emerging complication in critically ill COVID-19 patients. Intensive Care Medicine, 2021, 47, 1037-1040.	8.2	35
24	The gut in COVID-19. Intensive Care Medicine, 2021, 47, 1024-1027.	8.2	9
25	Monocyte-driven atypical cytokine storm and aberrant neutrophil activation as key mediators of COVID-19 disease severity. Nature Communications, 2021, 12, 4117.	12.8	170
26	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, .	11.9	357
27	X-linked recessive TLR7 deficiency in ~1% of men under 60 years old with life-threatening COVID-19. Science Immunology, 2021, 6, .	11.9	267
28	Glucose Management in the ICU. , 2021, , 187-191.		0
29	The goal of personalized glucose control in the critically ill remains elusive. Intensive Care Medicine, 2021, 47, 1319-1321.	8.2	14
30	Discriminating mild from critical COVID-19 by innate and adaptive immune single-cell profiling of bronchoalveolar lavages. Cell Research, 2021, 31, 272-290.	12.0	229
31	Kinetics of peripheral blood neutrophils in severe coronavirus disease 2019. Clinical and Translational Immunology, 2021, 10, e1271.	3.8	36
32	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (edition	9.1	1,430
33	Are periods of feeding and fasting protective during critical illness?. Current Opinion in Clinical Nutrition and Metabolic Care, 2021, 24, 183-188.	2.5	12
34	Impact of tight glucose control on circulating 3-hydroxybutyrate in critically ill patients. Critical Care, 2021, 25, 373.	5.8	4
35	Clinical practices underlie COVID-19 patient respiratory microbiome composition and its interactions with the host. Nature Communications, 2021, 12, 6243.	12.8	42
36	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.	28.9	245

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37	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.	8.2	17
38	Hyperglycemia and insulin resistance in COVID-19 versus non-COVID critical illness: Are they really different?. Critical Care, 2021, 25, 437.	5.8	11
39	Persisting neuroendocrine abnormalities and their association with physical impairment 5Âyears after critical illness. Critical Care, 2021, 25, 430.	5.8	4
40	Intensive care unit acquired muscle weakness in COVID-19 patients. Intensive Care Medicine, 2020, 46, 2083-2085.	8.2	93
41	Intermittent Fasting. Chest, 2020, 158, 2707.	0.8	1
42	Increased ILâ€10â€producing regulatory T cells are characteristic of severe cases of COVIDâ€19. Clinical and Translational Immunology, 2020, 9, e1204.	3.8	59
43	Establishing a Unified COVID-19 â€œImmunomeâ€ Integrating Coronavirus Pathogenesis and Host Immunopathology. Frontiers in Immunology, 2020, 11, 1642.	4.8	11
44	Continuous Assessment of Gastric Motility and Its Relation to Gastric Emptying in Adult Critically Ill Patients. Journal of Parenteral and Enteral Nutrition, 2020, 45, 1779-1784.	2.6	5
45	Effect of withholding early parenteral nutrition in PICU on ketogenesis as potential mediator of its outcome benefit. Critical Care, 2020, 24, 536.	5.8	28
46	The clinical potential of GDF15 as a â€œready-to-feed indicatorâ€for critically ill adults. Critical Care, 2020, 24, 557.	5.8	12
47	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.	1.6	16
48	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.	5.8	96
49	Five-year impact of ICU-acquired neuromuscular complications: a prospective, observational study. Intensive Care Medicine, 2020, 46, 1184-1193.	8.2	112
50	Towards a fasting-mimicking diet for critically ill patients: the pilot randomized crossover ICU-FM-1 study. Critical Care, 2020, 24, 249.	5.8	24
51	Glucose Control in the Intensive Care Unit. , 2020, , 579-589.		0
52	The urea-creatinine ratio as a novel biomarker of critical illness-associated catabolism. Intensive Care Medicine, 2019, 45, 1813-1815.	8.2	23
53	Epidemiology of intra-abdominal infection and sepsis in critically ill patients: â€œAbSeSâ€ a multinational observational cohort study and ESICM Trials Group Project. Intensive Care Medicine, 2019, 45, 1703-1717.	8.2	103
54	Five-year mortality and morbidity impact of prolonged versus brief ICU stay: a propensity score matched cohort study. Thorax, 2019, 74, 1037-1045.	5.6	49

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55	Glucose control in the ICU. Current Opinion in Anaesthesiology, 2019, 32, 156-162.	2.0	59
56	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.	8.2	66
57	Optimising early nutritional support for medical inpatients. Lancet, The, 2019, 394, 2069.	13.7	1
58	Critical Care Management of Stress-Induced Hyperglycemia. Current Diabetes Reports, 2018, 18, 17.	4.2	27
59	Autophagy and Its Implications Against Early Full Nutrition Support in Critical Illness. Nutrition in Clinical Practice, 2018, 33, 339-347.	2.4	43
60	Endocrine and Metabolic Alterations in Sepsis and Implications for Treatment. Critical Care Clinics, 2018, 34, 81-96.	2.6	48
61	Amino acid supplements in critically ill patients. Pharmacological Research, 2018, 130, 127-131.	7.1	27
62	Is protein intake saturated at doses recommended by the feeding guidelines for critically ill patients?. Critical Care, 2018, 22, 230.	5.8	3
63	Improving glycemic control in critically ill patients: personalized care to mimic the endocrine pancreas. Critical Care, 2018, 22, 182.	5.8	42
64	Intensive Care Nutrition and Postâ€“Intensive Care Recovery. Critical Care Clinics, 2018, 34, 573-583.	2.6	8
65	Role of glucagon in protein catabolism. Current Opinion in Critical Care, 2018, 24, 228-234.	3.2	12
66	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.	8.2	122
67	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.	10.7	105
68	Tight Glycemic Control in Critically Ill Children. New England Journal of Medicine, 2017, 376, e48.	27.0	7
69	Parenteral nutrition in the critically ill. Current Opinion in Critical Care, 2017, 23, 149-158.	3.2	16
70	Critical illness â€" another trial, but are we any wiser?. Nature Reviews Endocrinology, 2017, 13, 254-256.	9.6	3
71	The optimal blood glucose target in critically ill patients: more questions than answers. Intensive Care Medicine, 2017, 43, 110-112.	8.2	5
72	Blood glucose control in the ICU: how tight?. Annals of Translational Medicine, 2017, 5, 76-76.	1.7	4

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73	Recovery from critical illness-induced organ failure: the role of autophagy. Critical Care, 2017, 21, 209.	5.8	44
74	Continuous glucose monitoring in the ICU: clinical considerations and consensus. Critical Care, 2017, 21, 197.	5.8	96
75	Acute severe illness in diabetes patients: is tolerating hyperglycemia beneficial?. Journal of Thoracic Disease, 2016, 8, 3012-3015.	1.4	2
76	Blood glucose control in the ICU: donâ€™t throw out the baby with the bathwater!. Intensive Care Medicine, 2016, 42, 1478-1481.	8.2	31
77	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
78	Timing and Indication for Parenteral Nutrition in the Critically Ill. , 2016, , 81-97.		0
79	A liberal glycemic target in critically ill patients with poorly controlled diabetes?. Annals of Translational Medicine, 2016, 4, S15-S15.	1.7	4
80	Critical illness-induced bone loss is related to deficient autophagy and histone hypomethylation. Intensive Care Medicine Experimental, 2015, 3, 52.	1.9	21
81	Recovery from AKI in the critically ill: potential confounders in the evaluation. Intensive Care Medicine, 2015, 41, 1648-1657.	8.2	42
82	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-E1327.	3.6	35
83	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, 1709-1717.	8.2	85
84	Impact of early parenteral nutrition on catabolism. Critical Care, 2013, 17, .	5.8	0
85	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, .	5.8	1
86	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.	10.7	255
87	Enhanced Immunoreceptor Tyrosine-based Activation Motif Signaling is Related to Pathological Bone Resorption During Critical Illness. Hormone and Metabolic Research, 2013, 45, 862-869.	1.5	6
88	Anterior Pituitary Morphology and Hormone Production During Sustained Critical Illness in a Rabbit Model. Hormone and Metabolic Research, 2013, 45, 277-282.	1.5	8
89	Impact of Early Parenteral Nutrition on Metabolism and Kidney Injury. Journal of the American Society of Nephrology: JASN, 2013, 24, 995-1005.	6.1	86
90	Insufficient Autophagy Contributes to Mitochondrial Dysfunction, Organ Failure, and Adverse Outcome in an Animal Model of Critical Illness*. Critical Care Medicine, 2013, 41, 182-194.	0.9	131

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91	Impact of Hyperglycemia on Neuropathological Alterations during Critical Illness. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 2113-2123.	3.6	53
92	Early Parenteral Nutrition Evokes a Phenotype of Autophagy Deficiency in Liver and Skeletal Muscle of Critically Ill Rabbits. Endocrinology, 2012, 153, 2267-2276.	2.8	672
93	Insufficient autophagy relates to mitochondrial dysfunction, organ failure and adverse outcome in an animal model of critical illness. Critical Care, 2012, 16, .	5.8	1
94	Mitochondrial Fusion, Fission, and Biogenesis in Prolonged Critically Ill Patients. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E59-E64.	3.6	36
95	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
96	Critical illness induces alternative activation of M2 macrophages in adipose tissue. Critical Care, 2011, 15, R245.	5.8	44
97	Insufficient Activation of Autophagy Allows Cellular Damage to Accumulate in Critically Ill Patients. Journal of Clinical Endocrinology and Metabolism, 2011, 96, E633-E645.	3.6	185
98	Blood Glucose Control in the Intensive Care Unit: Benefits and Risks. Seminars in Dialysis, 2010, 23, 157-162.	1.3	47
99	Alterations in Adipose Tissue during Critical Illness. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 507-516.	5.6	60
100	International recommendations for glucose control in adult non diabetic critically ill patients. Critical Care, 2010, 14, R166.	5.8	101
101	Glucose, Insulin, and the Kidney. , 2010, , 169-180.		1
102	Hyperglycemic kidney damage in an animal model of prolonged critical illness. Kidney International, 2009, 76, 512-520.	5.2	66
103	Clinical benefits of tight glycaemic control: effect on the kidney. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2009, 23, 431-439.	4.0	7
104	Glycaemic control and perioperative organ protection. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2008, 22, 135-149.	4.0	5
105	Indication and practical use of intensive insulin therapy in the critically ill. Current Opinion in Critical Care, 2007, 13, 392-398.	3.2	20
106	Monocyte-Driven Atypical Cytokine Storm and Aberrant Neutrophil Activation as Key Mediators of COVID19 Disease Severity. SSRN Electronic Journal, 0, , .	0.4	3