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List of Publications by Year
in descending order

102 papers	10,570 citations	61857 43 h-index	37111 96 g-index
103 all docs	103 docs citations	103 times ranked	7935 citing authors

#	Article	IF	Citations
1	Early versus Late Parenteral Nutrition in Critically Ill Adults. New England Journal of Medicine, 2011, 365, 506-517.	13.9	2,410
2	Intensive insulin therapy for patients in paediatric intensive care: a prospective, randomised controlled study. Lancet, The, 2009, 373, 547-556.	6.3	1,572
3	Protection of hepatocyte mitochondrial ultrastructure and function by strict blood glucose control with insulin in critically ill patients. Lancet, The, 2005, 365, 53-59.	6.3	954
4	Early versus Late Parenteral Nutrition in Critically Ill Children. New England Journal of Medicine, 2016, 374, 1111-1122.	13.9	402
5	Acute Outcomes and 1-Year Mortality of Intensive Care Unitâ€“acquired Weakness. A Cohort Study and Propensity-matched Analysis. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 410-420.	2.5	390
6	Contribution of Circulating Lipids to the Improved Outcome of Critical Illness by Glycemic Control with Intensive Insulin Therapy. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 219-226.	1.8	264
7	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.	5.2	255
8	Role of Disease and Macronutrient Dose in the Randomized Controlled EPaNIC Trial. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 247-255.	2.5	238
9	Intensive Insulin Therapy in Critically Ill Patients: NICE-SUGAR or Leuven Blood Glucose Target?. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 3163-3170.	1.8	236
10	Clinical review: Consensus recommendations on measurement of blood glucose and reporting glycemic control in critically ill adults. Critical Care, 2013, 17, 229.	2.5	169
11	ESPGHAN/ESPEN/ESPR/CSPEN guidelines on pediatric parenteral nutrition: Lipids. Clinical Nutrition, 2018, 37, 2324-2336.	2.3	163
12	ESPGHAN/ESPEN/ESPR/CSPEN guidelines on pediatric parenteral nutrition: Amino acids. Clinical Nutrition, 2018, 37, 2315-2323.	2.3	148
13	ESPGHAN/ESPEN/ESPR/CSPEN guidelines on pediatric parenteral nutrition: Energy. Clinical Nutrition, 2018, 37, 2309-2314.	2.3	135
14	Neurocognitive Development of Children 4 Years After Critical Illness and Treatment With Tight Glucose Control. JAMA - Journal of the American Medical Association, 2012, 308, 1641.	3.8	133
15	Regulation of Insulin-Like Growth Factor Binding Protein-1 during Protracted Critical Illness. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 5516-5523.	1.8	126
16	Impact of Early Parenteral Nutrition on Muscle and Adipose Tissue Compartments During Critical Illness*. Critical Care Medicine, 2013, 41, 2298-2309.	0.4	123
17	ESPGHAN/ESPEN/ESPR/CSPEN guidelines on pediatric parenteral nutrition: Calcium, phosphorus and magnesium. Clinical Nutrition, 2018, 37, 2360-2365.	2.3	101
18	Cholestatic liver (dys)function during sepsis and other critical illnesses. Intensive Care Medicine, 2016, 42, 16-27.	3.9	98

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19	ESPGHAN/ESPEN/ESPR/CSPEN guidelines on pediatric parenteral nutrition. Clinical Nutrition, 2018, 37, 2303-2305.	2.3	96
20	Addition of Liposome Bupivacaine to Bupivacaine HCl Versus Bupivacaine HCl Alone for Interscalene Brachial Plexus Block in Patients Having Major Shoulder Surgery. Regional Anesthesia and Pain Medicine, 2017, 42, 334-341.	1.1	91
21	ESPGHAN/ESPEN/ESPR/CSPEN guidelines on pediatric parenteral nutrition: Iron and trace minerals. Clinical Nutrition, 2018, 37, 2354-2359.	2.3	89
22	Critical illness evokes elevated circulating bile acids related to altered hepatic transporter and nuclear receptor expression. Hepatology, 2011, 54, 1741-1752.	3.6	86
23	ESPGHAN/ESPEN/ESPR/CSPEN guidelines on pediatric parenteral nutrition: Carbohydrates. Clinical Nutrition, 2018, 37, 2337-2343.	2.3	85
24	ESPGHAN/ESPEN/ESPR/CSPEN guidelines on pediatric parenteral nutrition: Fluid and electrolytes. Clinical Nutrition, 2018, 37, 2344-2353.	2.3	85
25	ESPGHAN/ESPEN/ESPR/CSPEN guidelines on pediatric parenteral nutrition: Vitamins. Clinical Nutrition, 2018, 37, 2366-2378.	2.3	82
26	LOGIC-Insulin Algorithmâ€“Guided Versus Nurse-Directed Blood Glucose Control During Critical Illness. Diabetes Care, 2013, 36, 188-194.	4.3	81
27	The altered adrenal axis and treatment with glucocorticoids during critical illness. Nature Clinical Practice Endocrinology and Metabolism, 2008, 4, 496-505.	2.9	73
28	ESPGHAN/ESPEN/ESPR/CSPEN guidelines on pediatric parenteral nutrition: Venous access. Clinical Nutrition, 2018, 37, 2379-2391.	2.3	73
29	ESPGHAN/ESPEN/ESPR/CSPEN guidelines on pediatric parenteral nutrition: Complications. Clinical Nutrition, 2018, 37, 2418-2429.	2.3	73
30	Continuous glucose control in the ICU: report of a 2013 round table meeting. Critical Care, 2014, 18, 226.	2.5	68
31	Clinical Potential of Insulin Therapy in Critically Ill Patients. Drugs, 2003, 63, 625-636.	4.9	60
32	Regulation of the Somatotropic Axis by Intensive Insulin Therapy during Protracted Critical Illness. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 3105-3113.	1.8	57
33	Early versus late parenteral nutrition in ICU patients: cost analysis of the EPaNIC trial. Critical Care, 2012, 16, R96.	2.5	56
34	Impact of withholding early parenteral nutrition completing enteral nutrition in pediatric critically ill patients (PEPaNIC trial): study protocol for a randomized controlled trial. Trials, 2015, 16, 202.	0.7	56
35	ESPGHAN/ESPEN/ESPR/CSPEN guidelines on pediatric parenteral nutrition: Standard versus individualized parenteral nutrition. Clinical Nutrition, 2018, 37, 2409-2417.	2.3	56
36	Worldwide Survey of Nutritional Practices in PICUs*. Pediatric Critical Care Medicine, 2016, 17, 10-18.	0.2	54

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37	ESPGHAN/ESPEN/ESPR/CSPEN guidelines on pediatric parenteral nutrition: Home parenteral nutrition. Clinical Nutrition, 2018, 37, 2401-2408.	2.3	54
38	The Effect of Strict Blood Glucose Control on Biliary Sludge and Cholestasis in Critically Ill Patients. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 2345-2352.	1.8	53
39	Tight Glycemic Control Protects the Myocardium and Reduces Inflammation in Neonatal Heart Surgery. Annals of Thoracic Surgery, 2010, 90, 22-29.	0.7	53
40	Glucose management in critically ill adults and children. Lancet Diabetes and Endocrinology,the, 2015, 3, 723-733.	5.5	53
41	Hepatic PPARÎ± is critical in the metabolic adaptation to sepsis. Journal of Hepatology, 2019, 70, 963-973.	1.8	53
42	Software-guided versus nurse-directed blood glucose control in critically ill patients: the LOGIC-2 multicenter randomized controlled clinical trial. Critical Care, 2017, 21, 212.	2.5	50
43	Venous thromboembolism in SARS-CoV-2 patients: only a problem in ventilated ICU patients, or is there more to it?. European Respiratory Journal, 2020, 56, 2001201.	3.1	50
44	Association between postoperative delirium and postoperative cerebral oxygen desaturation in older patients after cardiac surgery. British Journal of Anaesthesia, 2020, 124, 146-153.	1.5	47
45	Bench-to-bedside review: Metabolism and nutrition. Critical Care, 2008, 12, 222.	2.5	46
46	ESPGHAN/ESPEN/ESPR/CSPEN guidelines on pediatric parenteral nutrition: Organisational aspects. Clinical Nutrition, 2018, 37, 2392-2400.	2.3	46
47	Changes Within the GH/IGF-I/IGFBP Axis in Critical Illness. Critical Care Clinics, 2006, 22, 17-28.	1.0	43
48	Intensive insulin therapy in the intensive care unit. Cmaj, 2009, 180, 799-800.	0.9	43
49	Glycemic Targets and Approaches to Management of the Patient with Critical Illness. Current Diabetes Reports, 2012, 12, 101-107.	1.7	43
50	An Analysis of Reliability and Accuracy of Muscle Thickness Ultrasonography in Critically Ill Children and Adults. Journal of Parenteral and Enteral Nutrition, 2016, 40, 944-949.	1.3	41
51	Changes Within the Growth Hormone/Insulin-like Growth Factor I/IGF Binding Protein Axis During Critical Illness. Endocrinology and Metabolism Clinics of North America, 2006, 35, 793-805.	1.2	37
52	Cerebral saturation in cardiac arrest patients measured with near-infrared technology during pre-hospital advanced life support. Results from Copernicus I cohort study. Resuscitation, 2018, 129, 107-113.	1.3	35
53	ESPGHAN/ESPEN/ESPR/CSPEN guidelines on pediatric parenteral nutrition: Guideline development process for the updated guidelines. Clinical Nutrition, 2018, 37, 2306-2308.	2.3	32
54	Glucose Dysregulation and Neurological Injury Biomarkers in Critically Ill Children. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 4669-4679.	1.8	30

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55	Glucose Control in Critically Ill Patients. New England Journal of Medicine, 2009, 361, 89-92.	13.9	29
56	Withholding parenteral nutrition during critical illness increases plasma bilirubin but lowers the incidence of biliary sludge. Hepatology, 2014, 60, 202-210.	3.6	28
57	Clinical benefits of tight glycaemic control: focus on the intensive care unit. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2009, 23, 421-429.	1.7	27
58	Neurocognition after paediatric heart surgery: a systematic review and meta-analysis. Open Heart, 2015, 2, e000255.	0.9	25
59	Effect of Tight Glucose Control with Insulin on the Thyroid Axis of Critically Ill Children and Its Relation with Outcome. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 3569-3576.	1.8	24
60	Neurocognitive Development After Pediatric Heart Surgery. Pediatrics, 2016, 137, .	1.0	24
61	Modeling of Effect of Glucose Sensor Errors on Insulin Dosage and Glucose Bolus Computed by LOGIC-Insulin. Clinical Chemistry, 2014, 60, 1510-1518.	1.5	22
62	Cost-effectiveness study of early versus late parenteral nutrition in critically ill children (PEPaNIC): preplanned secondary analysis of a multicentre randomised controlled trial. Critical Care, 2018, 22, 4.	2.5	22
63	Accuracy of Blood Glucose Measurement and Blood Glucose Targets. Journal of Diabetes Science and Technology, 2020, 14, 553-559.	1.3	22
64	Effect of Intensive Insulin Therapy on the Somatotropic Axis of Critically Ill Children. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 2558-2566.	1.8	19
65	Plasma N-glycome composition associates with chronic low back pain. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 2124-2133.	1.1	18
66	Impact of Parenteral Nutrition Versus Fasting on Hepatic Bile Acid Production and Transport in a Rabbit Model of Prolonged Critical Illness. Shock, 2014, 41, 48-54.	1.0	16
67	Evidence for the use of parenteral nutrition in the pediatric intensive care unit. Clinical Nutrition, 2017, 36, 218-223.	2.3	16
68	Forskolin increases apical sodium conductance in cultured toad kidney cells (A6) by stimulating membrane insertion. Pflugers Archiv European Journal of Physiology, 1999, 438, 195-204.	1.3	15
69	The validation of simplified EEG derived from the bispectral index monitor in post-cardiac arrest patients. Resuscitation, 2018, 126, 179-184.	1.3	15
70	Growth Hormone Modulation of the Rat Hepatic Bile Transporter System in Endotoxin-Induced Cholestasis. Endocrinology, 2003, 144, 4008-4017.	1.4	13
71	The prognostic value of bispectral index and suppression ratio monitoring after out-of-hospital cardiac arrest: a prospective observational study. Annals of Intensive Care, 2018, 8, 34.	2.2	13
72	Amino Acid Concentrations in Critically Ill Children Following Cardiac Surgery*. Pediatric Critical Care Medicine, 2014, 15, 314-328.	0.2	12

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73	A prediction model for good neurological outcome in successfully resuscitated out-of-hospital cardiac arrest patients. Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, 2018, 26, 93.	1.1	12
74	The Prognostic Value of Simplified EEG in Out-of-Hospital Cardiac Arrest Patients. Neurocritical Care, 2019, 30, 139-148.	1.2	12
75	MOLECULAR ANALYSIS OF SEPSIS-INDUCED CHANGES IN THE LIVER. Shock, 2010, 34, 427-436.	1.0	11
76	Blood Glucose Measurements in Critically Ill Patients. Journal of Diabetes Science and Technology, 2012, 6, 22-28.	1.3	11
77	Feature Engineering for ICU Mortality Prediction Based on Hourly to Bi-Hourly Measurements. Applied Sciences (Switzerland), 2019, 9, 3525.	1.3	11
78	Sweet Spot: Glucose Control in the Intensive Care Unit. Seminars in Respiratory and Critical Care Medicine, 2016, 37, 057-067.	0.8	10
79	Research priorities in pediatric parenteral nutrition: a consensus and perspective from ESPGHAN/ESPEN/ESPR/CSPEN. Pediatric Research, 2022, 92, 61-70.	1.1	10
80	The Impact of Resuscitated Fecal Peritonitis on the Expression of the Hepatic Bile Salt Transporters in a Porcine Model. Shock, 2010, 34, 508-516.	1.0	8
81	Glycemic Control in the Pediatric Intensive Care Unit of Leuven: Two Years of Experience. Journal of Diabetes Science and Technology, 2012, 6, 15-21.	1.3	8
82	Performance of strip-based glucose meters and cassette-based blood gas analyzer for monitoring glucose levels in a surgical intensive care setting. Clinical Chemistry and Laboratory Medicine, 2016, 54, 169-80.	1.4	8
83	Mechanisms of Insulin-Induced Alterations in Metabolism during Critical Illness. , 2004, 9, 69-75.		6
84	Continuous glucose sensors for glycaemic control in the ICU: have we arrived?. Critical Care, 2013, 17, 1004.	2.5	6
85	Tight glycaemic control in critically ill children. Nature Reviews Endocrinology, 2014, 10, 196-197.	4.3	6
86	Salvage Lobectomy to Treat Necrotizing SARS-CoV-2 Pneumonia Complicated by a Bronchopleural Fistula. Annals of Thoracic Surgery, 2021, 111, e241-e243.	0.7	6
87	Prediction of Functional Outcome After Acute Ischemic Stroke: Comparison of the CT-DRAGON Score and a Reduced Features Set. Frontiers in Neurology, 2020, 11, 718.	1.1	5
88	Vital Signs Prediction for COVID-19 Patients in ICU. Sensors, 2021, 21, 8131.	2.1	5
89	Tight glycaemic control in the intensive care unit: pitfalls in the testing of the concept. Critical Care, 2008, 12, 187.	2.5	4
90	Effect of Bupivacaine Liposome Injectable Suspension on Sensory Blockade and Analgesia for Dupuytren Contracture Release. Journal of Hand Surgery Global Online, 2019, 1, 191-197.	0.3	4

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91	Interaction between stroke severity and quality indicators of acute stroke care: a single-center retrospective analysis. Acta Neurologica Belgica, 2022, 122, 173-180.	0.5	4
92	Assessment of Blood Glucose Control in the Pediatric Intensive Care Unit: Extension of the Glycemic Penalty Index toward Children and Infants. Journal of Diabetes Science and Technology, 2011, 5, 353-357.	1.3	3
93	Enteral nutrition: better navigation, yet unknown destination?. Critical Care, 2011, 15, 1015.	2.5	2
94	Will Smartphone Applications Replace the Insertable Cardiac Monitor in the Detection of Atrial Fibrillation? The First Comparison in a Case Report of a Cryptogenic Stroke Patient. Frontiers in Cardiovascular Medicine, 2022, 9, 839853.	1.1	2
95	The Potential and Limitations of Mobile Health and Insertable Cardiac Monitors in the Detection of Atrial Fibrillation in Cryptogenic Stroke Patients: Preliminary Results From the REMOTE Trial. Frontiers in Cardiovascular Medicine, 2022, 9, 848914.	1.1	2
96	Long-Term Outcome in Patients With Spinal Cord Stimulation for Failed Back Surgery Syndrome: A 20-Year Audit of a Single Center. Neuromodulation, 2022, , .	0.4	2
97	Hospital-acquired infections after acute ischaemic stroke and its association with healthcare-related costs and functional outcome. Acta Neurologica Belgica, 2022, 122, 1281-1287.	0.5	2
98	Neurocognitive Development of Children 4 Years After Critical Illness and Treatment With Tight Glucose Control. Survey of Anesthesiology, 2013, 57, 137.	0.1	1
99	Clinical research and trial registries: the times they are a-changin. Regional Anesthesia and Pain Medicine, 2020, 45, 844.2-846.	1.1	1
100	Changes Within the GH/IGF-I/IGFBP Axis in Critical Illness. , 2008, , 181-198.		1
101	The authors reply. Pediatric Critical Care Medicine, 2014, 15, 793-794.	0.2	0
102	In Reply. Clinical Chemistry, 2015, 61, 666-667.	1.5	0