Zudin A Puthucheary

List of Publications by Year
in descending order

112	5,260	136885 32	88593 70
papers	citations	h-index	g-index

120	120	120	5553
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Acute Skeletal Muscle Wasting in Critical Illness. JAMA - Journal of the American Medical Association, 2013, 310, 1591.	3.8	1,379
2	Ultrasound measurement of rectus femoris cross-sectional area and the relationship with quadriceps strength in COPD. Thorax, 2009, 64, 418-423.	2.7	275
3	Ultrasonography in the intensive care setting can be used to detect changes in the quality and quantity of muscle and is related to muscle strength and function. Journal of Critical Care, 2015, 30, 1151.e9-1151.e14.	1.0	271
4	Quadriceps wasting and physical inactivity in patients with COPD. European Respiratory Journal, 2012, 40, 1115-1122.	3.1	269
5	The impact of extended bed rest on the musculoskeletal system in the critical care environment. Extreme Physiology and Medicine, 2015, 4, 16.	2.5	209
6	Qualitative Ultrasound in Acute Critical Illness Muscle Wasting. Critical Care Medicine, 2015, 43, 1603-1611.	0.4	168
7	The ACE Gene and Human Performance. Sports Medicine, 2011, 41, 433-448.	3.1	158
8	Metabolic phenotype of skeletal muscle in early critical illness. Thorax, 2018, 73, 926-935.	2.7	135
9	Functional Outcomes and Physical Impairments in Pediatric Critical Care Survivors: A Scoping Review*. Pediatric Critical Care Medicine, 2016, 17, e247-e259.	0.2	120
10	Factors influencing physical activity and rehabilitation in survivors of critical illness: a systematic review of quantitative and qualitative studies. Intensive Care Medicine, 2017, 43, 531-542.	3.9	118
11	Elevated urea-to-creatinine ratio provides a biochemical signature of muscle catabolism and persistent critical illness after major trauma. Intensive Care Medicine, 2019, 45, 1718-1731.	3.9	98
12	Genetic Influences in Sport and Physical Performance. Sports Medicine, 2011, 41, 845-859.	3.1	96
13	Skeletal Muscle Ultrasound in Critical Care: A Tool in Need of Translation. Annals of the American Thoracic Society, 2017, 14, 1495-1503.	1.5	96
14	Effect of Intermittent or Continuous Feed on Muscle Wasting in Critical Illness. Chest, 2020, 158, 183-194.	0.4	84
15	Rectus Femoris Cross-Sectional Area and Muscle Layer Thickness: Comparative Markers of Muscle Wasting and Weakness. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 136-138.	2.5	83
16	Ethnicity and outcomes in patients hospitalised with COVID-19 infection in East London: an observational cohort study. BMJ Open, 2021, 11, e042140.	0.8	81
17	Skeletal muscle dysfunction in critical care: Wasting, weakness, and rehabilitation strategies. Critical Care Medicine, 2010, 38, S676-S682.	0.4	80
18	Structure to function: muscle failure in critically ill patients. Journal of Physiology, 2010, 588, 4641-4648.	1.3	75

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19	Effects of Rehabilitation Interventions on Clinical Outcomes in Critically Ill Patients: Systematic Review and Meta-Analysis of Randomized Controlled Trials*. Critical Care Medicine, 2020, 48, 1055-1065.	0.4	75
20	Functional electrical stimulation with cycling in the critically ill: A pilot case-matched control study. Journal of Critical Care, 2014, 29, 695.e1-695.e7.	1.0	67
21	Diarrhoea in the critically ill is common, associated with poor outcome and rarely due to Clostridium difficile. Scientific Reports, 2016, 6, 24691.	1.6	63
22	Neuromuscular Blockade and Skeletal Muscle Weakness in Critically Ill Patients. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 911-917.	2.5	60
23	Muscle mass and physical recovery in ICU: innovations for targeting of nutrition and exercise. Current Opinion in Critical Care, 2017, 23, 269-278.	1.6	50
24	Prone positioning for non-intubated spontaneously breathing patients with acute hypoxaemic respiratory failure: a systematic review and meta-analysis. British Journal of Anaesthesia, 2022, 128, 352-362.	1.5	50
25	Natural history, trajectory, and management of mechanically ventilated COVID-19 patients in the United Kingdom. Intensive Care Medicine, 2021, 47, 549-565.	3.9	49
26	The impact of immobilisation and inflammation on the regulation of muscle mass and insulin resistance: different routes to similar endâ€points. Journal of Physiology, 2019, 597, 1259-1270.	1.3	47
27	An Exploratory Study of Long-Term Outcome Measures in Critical Illness Survivors: Construct Validity of Physical Activity, Frailty, and Health-Related Quality of Life Measures*. Critical Care Medicine, 2016, 44, e362-e369.	0.4	46
28	Exercise Interventions in Critical Illness Survivors: Understanding Inclusion and Stratification Criteria. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 1464-1467.	2.5	44
29	Character and Temporal Evolution of Apoptosis in Acetaminophen-Induced Acute Liver Failure*. Critical Care Medicine, 2013, 41, 2543-2550.	0.4	37
30	What factors affect implementation of early rehabilitation into intensive care unit practice? A qualitative study with clinicians. Journal of Critical Care, 2017, 38, 137-143.	1.0	37
31	Continuous or intermittent feeding: pros and cons. Current Opinion in Critical Care, 2018, 24, 256-261.	1.6	36
32	Early rehabilitation in critical care (eRiCC): functional electrical stimulation with cycling protocol for a randomised controlled trial. BMJ Open, 2012, 2, e001891.	0.8	35
33	Skeletal muscle mass and mortality - but what about functional outcome?. Critical Care, 2014, 18, 110.	2.5	31
34	Can the critically ill patient generate sufficient energy to facilitate exercise in the ICU?. Current Opinion in Clinical Nutrition and Metabolic Care, 2018, 21, 110-115.	1.3	31
35	Reducing sound and light exposure to improve sleep on the adult intensive care unit: An inclusive narrative review. Journal of the Intensive Care Society, 2018, 19, 138-146.	1.1	31
36	Socioeconomic Position and Health Outcomes Following Critical Illness: A Systematic Review. Critical Care Medicine, 2019, 47, e512-e521.	0.4	30

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37	Functional electrical stimulation in-bed cycle ergometry in mechanically ventilated patients: a multicentre randomised controlled trial. Thorax, 2021, 76, 656-663.	2.7	28
38	The post-ICU presentation screen (PICUPS) and rehabilitation prescription (RP) for intensive care survivors part I: Development and preliminary clinimetric evaluation. Journal of the Intensive Care Society, 2022, 23, 253-263.	1.1	28
39	Implications for post critical illness trial design: sub-phenotyping trajectories of functional recovery among sepsis survivors. Critical Care, 2020, 24, 577.	2.5	27
40	Skeletal Muscle Ultrasonography in Nutrition and Functional Outcome Assessment of Critically Ill Children: Experience and Insights From Pediatric Disease and Adult Critical Care Studies. Journal of Parenteral and Enteral Nutrition, 2017, 41, 1091-1099.	1.3	22
41	The Post-ICU presentation screen (PICUPS) and rehabilitation prescription (RP) for intensive care survivors part II: Clinical engagement and future directions for the national Post-Intensive care Rehabilitation Collaborative. Journal of the Intensive Care Society, 2022, 23, 264-272.	1.1	20
42	Anaemia secondary to critical illness: an unexplained phenomenon. Extreme Physiology and Medicine, 2014, 3, 4.	2.5	19
43	Complete regression of a thymoma to glucocorticoids, commenced for palliation of symptoms. European Journal of Cardio-thoracic Surgery, 2007, 31, 1142-1143.	0.6	18
44	Acute kidney injury in COVID-19: multicentre prospective analysis of registry data. CKJ: Clinical Kidney Journal, 2021, 14, 2356-2364.	1.4	18
45	The Lichfield bone study: the skeletal response to exercise in healthy young men. Journal of Applied Physiology, 2012, 112, 615-626.	1.2	16
46	Functional outcome and muscle wasting in adults with tetanus. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2019, 113, 706-713.	0.7	16
47	A pilot study of change in fracture risk in patients with acute respiratory distress syndrome. Critical Care, 2015, 19, 165.	2.5	15
48	Comparative study of linear and curvilinear ultrasound probes to assess quadriceps rectus femoris muscle mass in healthy subjects and in patients with chronic respiratory disease. BMJ Open Respiratory Research, 2016, 3, e000103.	1.2	15
49	Sepsis Reduces Bone Strength Before Morphologic Changes Are Identifiable. Critical Care Medicine, 2017, 45, e1254-e1261.	0.4	15
50	Ultrasound Evaluation of Quadriceps Muscle Dysfunction in Respiratory Disease. Cardiopulmonary Physical Therapy Journal, 2019, 30, 15-23.	0.2	15
51	Catabolism in Critical Illness: A Reanalysis of the REducing Deaths due to OXidative Stress (REDOXS) Trial*. Critical Care Medicine, 2022, 50, 1072-1082.	0.4	15
52	Intensive care unit acquired muscle weakness: when should we consider rehabilitation?. Critical Care, 2009, 13, 167.	2.5	14
53	Neuromuscular Blockers and ARDS. New England Journal of Medicine, 2010, 363, 2562-2564.	13.9	14
54	Emerging outcome measures for nutrition trials in the critically ill. Current Opinion in Clinical Nutrition and Metabolic Care, 2018, 21, 417-422.	1.3	13

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55	Exhaled Nitric Oxide is Decreased by Exposure to the Hyperbaric Oxygen Therapy Environment. Mediators of Inflammation, 2006, 2006, 1-6.	1.4	12
56	A Study of Perturbations in Structure and Elastic Modulus of Bone Microconstituents Using Bimodal Amplitude Modulated-Frequency Modulated Atomic Force Microscopy. ACS Biomaterials Science and Engineering, 2019, 5, 478-486.	2.6	12
57	Are periods of feeding and fasting protective during critical illness?. Current Opinion in Clinical Nutrition and Metabolic Care, 2021, 24, 183-188.	1.3	12
58	Early feeding during critical illness. Lancet Respiratory Medicine,the, 2014, 2, 15-17.	5.2	11
59	Skeletal Muscle Weakness Is Associated With Both Early and Late Mortality After Acute Respiratory Distress Syndrome*. Critical Care Medicine, 2017, 45, 563-565.	0.4	11
60	Meeting nutritional targets of critically ill patients by combined enteral and parenteral nutrition: review and rationale for the EFFORTcombo trial. Nutrition Research Reviews, 2020, 33, 312-320.	2.1	11
61	Effect of intermittent or continuous feeding and amino acid concentration on ureaâ€toâ€creatinine ratio in critical illness. Journal of Parenteral and Enteral Nutrition, 2022, 46, 789-797.	1.3	11
62	Acute Muscle Wasting Among Critically Ill Patientsâ€"Reply. JAMA - Journal of the American Medical Association, 2014, 311, 622.	3.8	10
63	Nutritional risk assessment at admission can predict subsequent muscle loss in critically ill patients. European Journal of Clinical Nutrition, 2018, 72, 1187-1190.	1.3	10
64	Designing nutrition-based interventional trials for the future: addressing the known knowns. Critical Care, 2019, 23, 53.	2.5	10
65	Clinical Application of Ultrasound in Intensive Care Unit-Acquired Weakness. Ultraschall in Der Medizin, 2020, 41, 244-266.	0.8	10
66	Skeletal Muscle Changes, Function, and Health-Related Quality of Life in Survivors of Pediatric Critical Illness. Critical Care Medicine, 2021, 49, 1547-1557.	0.4	10
67	Relationship Between Skeletal Muscle Area and Density and Clinical Outcome in Adults Receiving Venovenous Extracorporeal Membrane Oxygenation. Critical Care Medicine, 2021, 49, e350-e359.	0.4	10
68	Predicting critical illness mortality and personalizing therapy: moving to multi-dimensional data. Critical Care, 2017, 21, 20.	2.5	9
69	2-Hydroxyglutarate Metabolism Is Altered in an in vivo Model of LPS Induced Endotoxemia. Frontiers in Physiology, 2020, 11, 147.	1.3	9
70	Anabolic Resistance: An Uncomfortable Truth for Clinical Trials in Preventing Intensive Careâ€"acquired Weakness and Physical Functional Impairment. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 660-661.	2.5	9
71	Ethnicity and acute hospital admissions: Multi-center analysis of routine hospital data. EClinicalMedicine, 2021, 39, 101077.	3.2	8
72	The sit-to-stand test as a patient-centered functional outcome for critical care research: a pooled analysis of five international rehabilitation studies. Critical Care, 2022, 26, .	2.5	8

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73	Body Composition and Acquired Functional Impairment in Survivors of Pediatric Critical Illness. Critical Care Medicine, 2019, 47, e445-e453.	0.4	7
74	Novel methods to identify and measure catabolism. Current Opinion in Critical Care, 2021, 27, 361-366.	1.6	7
75	Searching for the Responder, Unpacking the Physical Rehabilitation Needs of Critically Ill Adults. Journal of Cardiopulmonary Rehabilitation and Prevention, 2020, 40, 359-369.	1.2	7
76	National survey of outcomes and practices in acute respiratory distress syndrome in Singapore. PLoS ONE, 2017, 12, e0179343.	1.1	7
77	The Relationship Between Lower Limb Bone and Muscle in Military Recruits, Response to Physical Training and Influence of Smoking Status. Scientific Reports, 2015, 5, 9323.	1.6	6
78	The fear and risk of community falls in patients following an intensive care admission: An exploratory cohort study. Australian Critical Care, 2020, 33, 144-150.	0.6	6
79	A narrative review of skeletal muscle atrophy in critically ill children: pathogenesis and chronic sequelae. Translational Pediatrics, 2021, 10, 2763-2777.	0.5	6
80	A Cross-Sectional Study of the Clinical Metrics of Functional Status Tools in Pediatric Critical Illness. Pediatric Critical Care Medicine, 2021, Publish Ahead of Print, 879-888.	0.2	6
81	The recognition of a sick patient. Clinical Medicine, 2002, 2, 95-98.	0.8	5
82	Relationship between calcaneal quantitative ultrasound and hip dual energy X-ray absorptiometry in young healthy men. Osteoporosis International, 2012, 23, 1947-1956.	1.3	5
83	ACE and response to pulmonary rehabilitation in COPD: two observational studies. BMJ Open Respiratory Research, 2017, 4, e000165.	1.2	5
84	Evaluating Physical Functioning in Survivors of Critical Illness: Development of a New Continuum Measure for Acute Care*. Critical Care Medicine, 2020, 48, 1427-1435.	0.4	5
85	Muscle wasting in the critically ill patient: how to minimise subsequent disability. British Journal of Hospital Medicine (London, England: 2005), 2020, 81, 1-9.	0.2	5
86	Should nutrition therapy be modified to account for mitochondrial dysfunction in critical illness?. Journal of Parenteral and Enteral Nutrition, 2021, 45, .	1.3	5
87	Response to physical rehabilitation and recovery trajectories following critical illness: individual participant data meta-analysis protocol. BMJ Open, 2020, 10, e035613.	0.8	4
88	Effect of acute hypoxia on QTc interval in respiratory patients undergoing fitness to fly tests. Thorax, 2011, 66, 726-727.	2.7	3
89	Repetitive vascular occlusion stimulus (RVOS) versus standard care to prevent muscle wasting in critically ill patients (ROSProx):a study protocol for a pilot randomised controlled trial. Trials, 2019, 20, 456.	0.7	3
90	Surviving COVID-19: a familiar road to recovery?. Lancet Respiratory Medicine,the, 2021, 9, 1211-1213.	5.2	3

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91	Chronic Critical Illness and Muscle Strength: An Ill-Defined Field*. Critical Care Medicine, 2020, 48, 1699-1701.	0.4	2
92	Prognostic association of routinely measured biomarkers in patients admitted to critical care: a systematic review. Biomarkers, 2021, 26, 1-12.	0.9	2
93	Risk factors associated with mechanical ventilation, autonomic nervous dysfunction and physical outcome in Vietnamese adults with tetanus. Tropical Medicine and Health, 2021, 49, 50.	1.0	2
94	Commentary on â€œGuidelines for the provision of nutrition support therapy in the adult critically ill patient: The American Society for Parenteral and Enteral Nutritionâ€. Journal of Parenteral and Enteral Nutrition, 2022, 46, 1223-1225.	1.3	2
95	Nutritional priorities in patients with severe COVID-19. Current Opinion in Clinical Nutrition and Metabolic Care, 2022, Publish Ahead of Print, .	1.3	2
96	Early management of the critically ill patient. Clinical Medicine, 2002, 2, 98-100.	0.8	1
97	Primary care â€“ The unrecognized member of the intensive care team. Journal of the Intensive Care Society, 2015, 16, 361-362.	1.1	1
98	Is rehabilitation post critical illness a new anti-inflammatory agent?. Thorax, 2016, 71, 783-784.	2.7	1
99	Amino Acid Turnover, Protein Metabolism, and Nitrogen Balance in Acute Kidney Injury. , 2019, , 434-442.e2.		1
100	Protocol for a prospective cohort study on the use of clinical nutrition and assessment of long-term clinical and functional outcomes in critically ill adult patients. Clinical Nutrition ESPEN, 2021, 43, 104-110.	0.5	1
101	The future of acute and emergency care. Future Healthcare Journal, 2021, 8, e230-e236.	0.6	1
102	Mixed methods evaluation of the impact of the COVID-19 ICU remote-learning rehabilitation course for frontline health professionals during the COVID-19 pandemic in the UK. Journal of the Intensive Care Society, 0, , 175114372110430.	1.1	1
103	An update on muscle wasting in ICU. Signa Vitae, 2017, 13, .	0.8	1
104	C-reactive protein in immunometabolism: spared from â€˜paying the piperâ€™. Intensive Care Medicine, 2021, , 1.	3.9	1
105	Response. Chest, 2020, 158, 2708-2711.	0.4	0
106	Emergency hospital admissions associated with non-communicable diseases 1998â€“2018 in England, Wales and Scotland: an ecological study. Clinical Medicine, 2021, 21, e179-e185.	0.8	0
107	Talking to multi-morbid patients about critical illness: an evolving conversation. Age and Ageing, 2021, 50, 1512-1515.	0.7	0
108	Case presentation and panel discussion: critical illness. Journal of Parenteral and Enteral Nutrition, 2021, , .	1.3	0

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109	Association of nutritional delivery on skeletal muscle wasting and inflammation in critically ill adult patients: a systematic review. Proceedings of the Nutrition Society, 2021, 80, .	0.4	0
110	Nutritional Strategies. Lessons From the ICU, 2020, , 295-309.	0.1	0
111	Adjusting meta-analysis data to reduce heterogeneity: the need for objective evaluation of observational studies. Response to Br J Anaesth 2022; 128: e303-5. British Journal of Anaesthesia, 2022, , .	1.5	0
112	Safety and Feasibility Assessment of Repetitive Vascular Occlusion Stimulus (RVOS) Application to Multi-Organ Failure Critically Ill Patients: A Pilot Randomised Controlled Trial. Journal of Clinical Medicine, 2022, 11, 3938.	1.0	0