

# Greet M Hermans

## 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.

83 papers	12,117 citations	35 h-index	89 g-index
89 ext. papers	14,026 ext. citations	10 avg, IF	5.86 L-index

#	Paper	IF	Citations
83	Intensive insulin therapy in the medical ICU. <i>New England Journal of Medicine</i> , <b>2006</b> , 354, 449-61	59.2	4168
82	Early versus late parenteral nutrition in critically ill adults. <i>New England Journal of Medicine</i> , <b>2011</b> , 365, 506-17	59.2	2076
81	Impact of intensive insulin therapy on neuromuscular complications and ventilator dependency in the medical intensive care unit. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2007</b> , 175, 480-9	10.2	807
80	Early exercise in critically ill patients enhances short-term functional recovery. <i>Critical Care Medicine</i> , <b>2009</b> , 37, 2499-505	1.4	691
79	Galactomannan in bronchoalveolar lavage fluid: a tool for diagnosing aspergillosis in intensive care unit patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2008</b> , 177, 27-34	10.2	352
78	Extracorporeal albumin dialysis with the molecular adsorbent recirculating system in acute-on-chronic liver failure: the RELIEF trial. <i>Hepatology</i> , <b>2013</b> , 57, 1153-62	11.2	342
77	Acute outcomes and 1-year mortality of intensive care unit-acquired weakness. A cohort study and propensity-matched analysis. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2014</b> , 190, 410-20	10.2	275
76	Clinical review: intensive care unit acquired weakness. <i>Critical Care</i> , <b>2015</b> , 19, 274	10.8	260
75	Clinical review: Intensive insulin therapy in critically ill patients: NICE-SUGAR or Leuven blood glucose target?. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2009</b> , 94, 3163-70	5.6	196
74	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> , <b>2013</b> , 1, 621-629	35.1	190
73	Clinical review: Critical illness polyneuropathy and myopathy. <i>Critical Care</i> , <b>2008</b> , 12, 238	10.8	185
72	Role of disease and macronutrient dose in the randomized controlled EPaNIC trial: a post hoc analysis. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2013</b> , 187, 247-55	10.2	169
71	Invasive pulmonary aspergillosis is a frequent complication of critically ill H1N1 patients: a retrospective study. <i>Intensive Care Medicine</i> , <b>2012</b> , 38, 1761-8	14.5	169
70	The Sick and the Weak: Neuropathies/Myopathies in the Critically Ill. <i>Physiological Reviews</i> , <b>2015</b> , 95, 1025-109	47.9	166
69	Increased duration of mechanical ventilation is associated with decreased diaphragmatic force: a prospective observational study. <i>Critical Care</i> , <b>2010</b> , 14, R127	10.8	165
68	Interobserver agreement of Medical Research Council sum-score and handgrip strength in the intensive care unit. <i>Muscle and Nerve</i> , <b>2012</b> , 45, 18-25	3.4	152
67	Neurocognitive development of children 4 years after critical illness and treatment with tight glucose control: a randomized controlled trial. <i>JAMA - Journal of the American Medical Association</i> , <b>2012</b> , 308, 1641-50	27.4	102

66	Discriminating mild from critical COVID-19 by innate and adaptive immune single-cell profiling of bronchoalveolar lavages. <i>Cell Research</i> , <b>2021</b> , 31, 272-290	24.7	102
65	Pharmacokinetics of caspofungin and voriconazole in critically ill patients during extracorporeal membrane oxygenation. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2009</b> , 63, 767-70	5.1	96
64	The ICM research agenda on intensive care unit-acquired weakness. <i>Intensive Care Medicine</i> , <b>2017</b> , 43, 1270-1281	14.5	95
63	Epidemiological characteristics, practice of ventilation, and clinical outcome in patients at risk of acute respiratory distress syndrome in intensive care units from 16 countries (PROVENT): an international, multicentre, prospective study. <i>Lancet Respiratory Medicine</i> , <b>2016</b> , 4, 882-893	35.1	94
62	Assessment of limb muscle strength in critically ill patients: a systematic review. <i>Critical Care Medicine</i> , <b>2014</b> , 42, 701-11	1.4	90
61	Muscle atrophy and preferential loss of myosin in prolonged critically ill patients. <i>Critical Care Medicine</i> , <b>2012</b> , 40, 79-89	1.4	86
60	Interventions for preventing critical illness polyneuropathy and critical illness myopathy. <i>The Cochrane Library</i> , <b>2014</b> , CD006832	5.2	70
59	Feasibility of neuromuscular electrical stimulation in critically ill patients. <i>Journal of Critical Care</i> , <b>2014</b> , 29, 1082-8	4	67
58	The interobserver agreement of handheld dynamometry for muscle strength assessment in critically ill patients. <i>Critical Care Medicine</i> , <b>2011</b> , 39, 1929-34	1.4	62
57	Impact of early parenteral nutrition on metabolism and kidney injury. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2013</b> , 24, 995-1005	12.7	61
56	Impact of early parenteral nutrition completing enteral nutrition in adult critically ill patients (EPaNIC trial): a study protocol and statistical analysis plan for a randomized controlled trial. <i>Trials</i> , <b>2011</b> , 12, 21	2.8	61
55	Alterations in adipose tissue during critical illness: An adaptive and protective response?. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2010</b> , 182, 507-16	10.2	50
54	Interventions for preventing critical illness polyneuropathy and critical illness myopathy. <i>Cochrane Database of Systematic Reviews</i> , <b>2009</b> , CD006832		50
53	Intensive care unit acquired muscle weakness in COVID-19 patients. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 2083-2085	14.5	46
52	Effects of controlled mechanical ventilation on sepsis-induced diaphragm dysfunction in rats. <i>Critical Care Medicine</i> , <b>2014</b> , 42, e772-82	1.4	42
51	Five-year impact of ICU-acquired neuromuscular complications: a prospective, observational study. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 1184-1193	14.5	41
50	Benefits of intensive insulin therapy on neuromuscular complications in routine daily critical care practice: a retrospective study. <i>Critical Care</i> , <b>2009</b> , 13, R5	10.8	39
49	The assessment of inspiratory muscle fatigue in healthy individuals: a systematic review. <i>Respiratory Medicine</i> , <b>2013</b> , 107, 331-46	4.6	38

48	Premorbid obesity, but not nutrition, prevents critical illness-induced muscle wasting and weakness. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2017</b> , 8, 89-101	10.3	32
47	Greater diaphragm fatigability in individuals with recurrent low back pain. <i>Respiratory Physiology and Neurobiology</i> , <b>2013</b> , 188, 119-23	2.8	29
46	Predictive value for weakness and 1-year mortality of screening electrophysiology tests in the ICU. <i>Intensive Care Medicine</i> , <b>2015</b> , 41, 2138-48	14.5	28
45	Assessment of quadriceps muscle mass with ultrasound in critically ill patients: intra- and inter-observer agreement and sensitivity. <i>Intensive Care Medicine</i> , <b>2015</b> , 41, 562-3	14.5	26
44	Effect of insulin therapy on coagulation and fibrinolysis in medical intensive care patients. <i>Critical Care Medicine</i> , <b>2008</b> , 36, 1475-80	1.4	25
43	Relationship between Abdominal Pressure, Pulmonary Compliance, and Cardiac Preload in a Porcine Model. <i>Critical Care Research and Practice</i> , <b>2012</b> , 2012, 763181	1.5	23
42	Five-year mortality and morbidity impact of prolonged versus brief ICU stay: a propensity score matched cohort study. <i>Thorax</i> , <b>2019</b> , 74, 1037-1045	7.3	22
41	Lectin pathway of complement activation and relation with clinical complications in critically ill children. <i>Pediatric Research</i> , <b>2014</b> , 75, 99-108	3.2	18
40	Metabolic aspects of critical illness polyneuromyopathy. <i>Critical Care Medicine</i> , <b>2009</b> , 37, S391-7	1.4	18
39	Posaconazole for prevention of invasive pulmonary aspergillosis in critically ill influenza patients (POSA-FLU): a randomised, open-label, proof-of-concept trial. <i>Intensive Care Medicine</i> , <b>2021</b> , 47, 674-686	14.5	18
38	ICU-based rehabilitation and its appropriate metrics. <i>Current Opinion in Critical Care</i> , <b>2012</b> , 18, 533-9	3.5	17
37	Potentially modifiable respiratory variables contributing to outcome in ICU patients without ARDS: a secondary analysis of PROVENT. <i>Annals of Intensive Care</i> , <b>2018</b> , 8, 39	8.9	15
36	Usefulness of FDG-PET to diagnose intravascular lymphoma with encephalopathy and renal involvement. <i>Acta Clinica Belgica</i> , <b>2008</b> , 63, 185-9	1.8	14
35	The Molecular Adsorbent Recirculating System in patients with severe liver failure: clinical results at the K.U. Leuven. <i>Liver</i> , <b>2002</b> , 22 Suppl 2, 52-5		14
34	Kinetics of peripheral blood neutrophils in severe coronavirus disease 2019. <i>Clinical and Translational Immunology</i> , <b>2021</b> , 10, e1271	6.8	14
33	Critical illness induces nutrient-independent adipogenesis and accumulation of alternatively activated tissue macrophages. <i>Critical Care</i> , <b>2013</b> , 17, R193	10.8	13
32	Prolonged Glucocorticoid Treatment in ARDS: Impact on Intensive Care Unit-Acquired Weakness. <i>Frontiers in Pediatrics</i> , <b>2016</b> , 4, 69	3.4	12
31	Can inspiratory muscle training improve weaning outcomes in difficult to wean patients? A protocol for a randomised controlled trial (IMweanT study). <i>BMJ Open</i> , <b>2018</b> , 8, e021091	3	12

30	Should we abandon manual muscle strength testing in the ICU?. <i>Critical Care</i> , <b>2011</b> , 15, 127	10.8	9
29	Clinical practices underlie COVID-19 patient respiratory microbiome composition and its interactions with the host. <i>Nature Communications</i> , <b>2021</b> , 12, 6243	17.4	9
28	Tight glucose control in critically ill adults. <i>JAMA - Journal of the American Medical Association</i> , <b>2008</b> , 300, 2725; author reply 2726-7	27.4	7
27	Atypical response to bacterial co-infection and persistent neutrophilic broncho-alveolar inflammation distinguish critical COVID-19 from influenza. <i>JCI Insight</i> , <b>2021</b> ,	9.9	7
26	Secondary sclerosing cholangitis: an emerging complication in critically ill COVID-19 patients. <i>Intensive Care Medicine</i> , <b>2021</b> , 47, 1037-1040	14.5	7
25	Endogenous carbon monoxide production: a rare and detrimental complication of extracorporeal membrane oxygenation. <i>ASAIO Journal</i> , <b>2008</b> , 54, 633-5	3.6	6
24	pH 48 h after onset of extracorporeal membrane oxygenation is an independent predictor of survival in patients with respiratory failure. <i>Artificial Organs</i> , <b>2007</b> , 31, 384-9	2.6	6
23	Impact of COVID-19: urging a need for multi-domain assessment of COVID-19 inpatients. <i>European Geriatric Medicine</i> , <b>2021</b> , 12, 741-748	3	6
22	Targeted temperature management and neuroprognostication after cardiac arrest: A survey in Belgium. <i>Resuscitation</i> , <b>2015</b> , 96, e1-2	4	5
21	Extracorporeal membrane oxygenation: experience in an adult medical ICU. <i>Thoracic and Cardiovascular Surgeon</i> , <b>2007</b> , 55, 223-8	1.6	5
20	Extracorporeal Membrane Oxygenation in Patients With COVID-19: An International Multicenter Cohort Study. <i>Journal of Intensive Care Medicine</i> , <b>2021</b> , 36, 910-917	3.3	4
19	Weakness in the ICU: the right weight on the right scale. <i>Intensive Care Medicine</i> , <b>2021</b> , 47, 137-138	14.5	4
18	COVID-19 recovery: benefits of multidisciplinary respiratory rehabilitation. <i>BMJ Open Respiratory Research</i> , <b>2021</b> , 8,	5.6	4
17	Prospective longitudinal evaluation of hospitalised COVID-19 survivors 3 and 12 months after discharge.. <i>ERJ Open Research</i> , <b>2022</b> , 8,	3.5	4
16	The soluble mannose receptor (sMR/sCD206) in critically ill patients with invasive fungal infections, bacterial infections or non-infectious inflammation: a secondary analysis of the EPaNIC RCT. <i>Critical Care</i> , <b>2019</b> , 23, 270	10.8	3
15	The GH Axis in Relation to Accepting an Early Macronutrient Deficit and Outcome of Critically Ill Patients. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2019</b> , 104, 5507-5518	5.6	3
14	The influence of continuous venovenous renal replacement therapy on the plasma disappearance rate of indocyanine green. <i>Intensive Care Medicine</i> , <b>2013</b> , 39, 2231-2	14.5	3
13	Acute intracardiac right-to-left shunt in a patient with acute respiratory distress syndrome and shock successfully treated with nitric oxide. <i>British Journal of Anaesthesia</i> , <b>2006</b> , 96, 268-9	5.4	3

12	Five-year outcome of respiratory muscle weakness at intensive care unit discharge: secondary analysis of a prospective cohort study. <i>Thorax</i> , <b>2021</b> , 76, 561-567	7.3	2
11	Recurrent high gastrointestinal bleeds after Belsey Mark IV antireflux procedure. <i>Annals of Vascular Surgery</i> , <b>2013</b> , 27, 354.e1-4	1.7	1
10	RBC Transfusion in Venovenous Extracorporeal Membrane Oxygenation: A Multicenter Cohort Study.. <i>Critical Care Medicine</i> , <b>2022</b> , 50, 224-234	1.4	1
9	Early neuromuscular electrical stimulation reduces the loss of muscle mass in critically ill patients - A within subject randomized controlled trial. <i>Journal of Critical Care</i> , <b>2021</b> , 62, 65-71	4	1
8	Measurement validity of an electronic training device to assess breathing characteristics during inspiratory muscle training in patients with weaning difficulties. <i>PLoS ONE</i> , <b>2021</b> , 16, e0255431	3.7	1
7	High-Intensity Inspiratory Muscle Training Improves Scalene and Sternocleidomastoid Muscle Oxygenation Parameters in Patients With Weaning Difficulties: A Randomized Controlled Trial.. <i>Frontiers in Physiology</i> , <b>2022</b> , 13, 786575	4.6	0
6	Aerobic exercise capacity in long-term survivors of critical illness: secondary analysis of the post-EPaNIC follow-up study. <i>Intensive Care Medicine</i> , <b>2021</b> , 47, 1462-1471	14.5	0
5	Critical Illness Neuromyopathy: Clinical, Electrophysiological, and Histological Diagnosis. <i>Lessons From the ICU</i> , <b>2020</b> , 43-59	0.1	0
4	Early mobilization in clinical practice: the reliability and feasibility of the Tstart To MoveTProtocol. <i>Physiotherapy Theory and Practice</i> , <b>2020</b> , 1-11	1.5	0
3	Persisting neuroendocrine abnormalities and their association with physical impairment 5 years after critical illness.. <i>Critical Care</i> , <b>2021</b> , 25, 430	10.8	0
2	Invasive pulmonary aspergillosis in the ICU: reply to Wichmann et al. <i>Intensive Care Medicine</i> , <b>2013</b> , 39, 791	14.5	
1	Cerebral cortex and respiratory muscles perfusion during spontaneous breathing attempts in ventilated patients and its relation to weaning outcomes: a protocol for a prospective observational study. <i>BMJ Open</i> , <b>2019</b> , 9, e031072	3	