

# Martijn Poeze

## List of Publications by Year in descending order

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116  
papers

5,087  
citations

101384

36  
h-index

98622

67  
g-index

116  
all docs

116  
docs citations

116  
times ranked

6421  
citing authors

#	ARTICLE	IF	CITATIONS
1	Early enteral nutrition in critically ill patients: ESICM clinical practice guidelines. <i>Intensive Care Medicine</i> , 2017, 43, 380-398.	3.9	528
2	Gastrointestinal function in intensive care patients: terminology, definitions and management. Recommendations of the ESICM Working Group on Abdominal Problems. <i>Intensive Care Medicine</i> , 2012, 38, 384-394.	3.9	408
3	Functional Compromise Reflected by Sarcopenia, Frailty, and Nutritional Depletion Predicts Adverse Postoperative Outcome After Colorectal Cancer Surgery. <i>Annals of Surgery</i> , 2015, 261, 345-352.	2.1	402
4	Sepsis: An arginine deficiency state?. <i>Critical Care Medicine</i> , 2004, 32, 2135-2145.	0.4	213
5	Reduced citrulline production in sepsis is related to diminished de novo arginine and nitric oxide production. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 142-152.	2.2	165
6	Arginine and Citrulline and the Immune Response in Sepsis. <i>Nutrients</i> , 2015, 7, 1426-1463.	1.7	144
7	Gastrointestinal symptoms during the first week of intensive care are associated with poor outcome: a prospective multicentre study. <i>Intensive Care Medicine</i> , 2013, 39, 899-909.	3.9	139
8	An international survey: Public awareness and perception of sepsis*. <i>Critical Care Medicine</i> , 2009, 37, 167-170.	0.4	129
9	Loss of Skeletal Muscle Mass During Neoadjuvant Chemoradiotherapy Predicts Postoperative Mortality in Esophageal Cancer Surgery. <i>Annals of Surgical Oncology</i> , 2015, 22, 4445-4452.	0.7	127
10	The effects of low-intensity pulsed ultrasound and pulsed electromagnetic fields bone growth stimulation in acute fractures: a systematic review and meta-analysis of randomized controlled trials. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2014, 134, 1093-1106.	1.3	118
11	Monitoring global volume-related hemodynamic or regional variables after initial resuscitation: What is a better predictor of outcome in critically ill septic patients?*. <i>Critical Care Medicine</i> , 2005, 33, 2494-2500.	0.4	116
12	Citrulline a More Suitable Substrate than Arginine to Restore NO Production and the Microcirculation during Endotoxemia. <i>PLoS ONE</i> , 2012, 7, e37439.	1.1	114
13	EVIDENCE FOR INTESTINAL AND LIVER EPITHELIAL CELL INJURY IN THE EARLY PHASE OF SEPSIS. <i>Shock</i> , 2007, 28, 544-548.	1.0	113
14	The Role of Arginine in Infection and Sepsis. <i>Journal of Parenteral and Enteral Nutrition</i> , 2005, 29, S70-4.	1.3	101
15	Post-Prandial Protein Handling: You Are What You Just Ate. <i>PLoS ONE</i> , 2015, 10, e0141582.	1.1	96
16	Comparison of different definitions of feeding intolerance: A retrospective observational study. <i>Clinical Nutrition</i> , 2015, 34, 956-961.	2.3	73
17	Intramedullary Spinal Teratoma Presenting with Urinary Retention: Case Report and Review of the Literature. <i>Neurosurgery</i> , 1999, 45, 379-385.	0.6	67
18	Sarcopenia is associated with an increased inflammatory response to surgery in colorectal cancer. <i>Clinical Nutrition</i> , 2016, 35, 924-927.	2.3	67

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19	Prediction of postoperative cardiac surgical morbidity and organ failure within 4 hours of intensive care unit admission using esophageal Doppler ultrasonography. <i>Critical Care Medicine</i> , 1999, 27, 1288-1294.	0.4	65
20	New Insight in Loss of Gut Barrier during Major Non-Abdominal Surgery. <i>PLoS ONE</i> , 2008, 3, e3954.	1.1	63
21	Arginine infusion in patients with septic shock increases nitric oxide production without haemodynamic instability. <i>Clinical Science</i> , 2015, 128, 57-67.	1.8	63
22	L-Citrulline Improves Splanchnic Perfusion and Reduces Gut Injury during Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 2039-2046.	0.2	61
23	Accurate Prediction of Anastomotic Leakage after Colorectal Surgery Using Plasma Markers for Intestinal Damage and Inflammation. <i>Journal of the American College of Surgeons</i> , 2014, 219, 744-751.	0.2	53
24	Improved Fracture Healing in Patients with Concomitant Traumatic Brain Injury: Proven or Not?. <i>Mediators of Inflammation</i> , 2015, 2015, 1-14.	1.4	53
25	Introducing an integrated intermediate care unit improves ICU utilization: a prospective intervention study. <i>BMC Anesthesiology</i> , 2014, 14, 76.	0.7	52
26	Gait Analysis and Functional Outcome After Calcaneal Fracture. <i>Journal of Bone and Joint Surgery - Series A</i> , 2015, 97, 1879-1888.	1.4	50
27	Development of the Gastrointestinal Dysfunction Score (GIDS) for critically ill patients – A prospective multicenter observational study (iSOFA study). <i>Clinical Nutrition</i> , 2021, 40, 4932-4940.	2.3	49
28	Assessment of the healing process in distal radius fractures by high resolution peripheral quantitative computed tomography. <i>Bone</i> , 2014, 64, 65-74.	1.4	47
29	One Week of Hospitalization Following Elective Hip Surgery Induces Substantial Muscle Atrophy in Older Patients. <i>Journal of the American Medical Directors Association</i> , 2019, 20, 35-42.	1.2	46
30	Yield of Screening for COVID-19 in Asymptomatic Patients Before Elective or Emergency Surgery Using Chest CT and RT-PCR (SCOUT). <i>Annals of Surgery</i> , 2020, 272, 919-924.	2.1	45
31	Reliability, validity, responsiveness, and minimal important change of the Disabilities of the Arm, Shoulder and Hand and Constant-Murley scores in patients with a humeral shaft fracture. <i>Journal of Shoulder and Elbow Surgery</i> , 2017, 26, e1-e12.	1.2	43
32	Conservative management of proximal humeral fractures: Can poor functional outcome be related to standard transscapular radiographic evaluation?. <i>Journal of Shoulder and Elbow Surgery</i> , 2010, 19, 273-281.	1.2	41
33	Citrulline Supplementation Improves Organ Perfusion and Arginine Availability under Conditions with Enhanced Arginase Activity. <i>Nutrients</i> , 2015, 7, 5217-5238.	1.7	40
34	Arginase-1 Deficiency Regulates Arginine Concentrations and NOS2-Mediated NO Production during Endotoxemia. <i>PLoS ONE</i> , 2014, 9, e86135.	1.1	40
35	Outcome of Minimally Invasive Open and Percutaneous Techniques for Repair of Calcaneal Fractures: A Systematic Review. <i>Journal of Foot and Ankle Surgery</i> , 2016, 55, 1256-1263.	0.5	39
36	Total Intermittent Pringle Maneuver during Liver Resection Can Induce Intestinal Epithelial Cell Damage and Endotoxemia. <i>PLoS ONE</i> , 2012, 7, e30539.	1.1	39

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37	Both basal and post-prandial muscle protein synthesis rates, following the ingestion of a leucine-enriched whey protein supplement, are not impaired in sarcopenic older males. <i>Clinical Nutrition</i> , 2017, 36, 1440-1449.	2.3	38
38	Decreased plasma glutamate in early phases of septic shock with acute liver dysfunction is an independent predictor of survival. <i>Clinical Nutrition</i> , 2008, 27, 523-530.	2.3	37
39	A new method to evaluate the effects of shear on the skin. <i>Wound Repair and Regeneration</i> , 2015, 23, 885-890.	1.5	36
40	Cyclooxygenase-2 Is Essential for Colorectal Anastomotic Healing. <i>Annals of Surgery</i> , 2017, 265, 547-554.	2.1	36
41	Determining scaphoid waist fracture union by conventional radiographic examination: an analysis of reliability and validity. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2015, 135, 291-296.	1.3	31
42	Fracture Repair in the Distal Radius in Postmenopausal Women: A Follow-Up 2 Years Postfracture Using HRpQCT. <i>Journal of Bone and Mineral Research</i> , 2016, 31, 1114-1122.	3.1	31
43	Increased Hepatosplanchnic Inflammation Precedes the Development of Organ Dysfunction After Elective High-Risk Surgery. <i>Shock</i> , 2002, 17, 451-458.	1.0	28
44	Impact of the Macronutrient Composition of a Nutritional Supplement on Muscle Protein Synthesis Rates in Older Men: A Randomized, Double Blind, Controlled Trial. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 4124-4132.	1.8	28
45	Effects of l-arginine pretreatment on nitric oxide metabolism and hepatosplanchnic perfusion during porcine endotoxemia. <i>American Journal of Clinical Nutrition</i> , 2011, 93, 1237-1247.	2.2	27
46	Gait Analysis of Foot Compensation After Arthrodesis of the First Metatarsophalangeal Joint. <i>Foot and Ankle International</i> , 2017, 38, 181-191.	1.1	27
47	Patient-reported quality of life and pain after permissive weight bearing in surgically treated trauma patients with tibial plateau fractures: a retrospective cohort study. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2019, 139, 483-488.	1.3	27
48	Sample preparation of bone tissue for MALDI-MSI for forensic and (pre)clinical applications. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2683-2694.	1.9	27
49	Incidence of post-traumatic pneumonia in poly-traumatized patients: identifying the role of traumatic brain injury and chest trauma. <i>European Journal of Trauma and Emergency Surgery</i> , 2020, 46, 11-19.	0.8	26
50	Malnutrition and Fracture Healing: Are Specific Deficiencies in Amino Acids Important in Nonunion Development?. <i>Nutrients</i> , 2018, 10, 1597.	1.7	24
51	Reduced Tissue-Interface Pressure and Increased Comfort on a Newly Developed Soft-Layered Long Spineboard. <i>Journal of Trauma</i> , 2010, 68, 593-598.	2.3	23
52	Gastric PgCO <sub>2</sub> and Pg-aCO <sub>2</sub> gap are related to d-lactate and not to l-lactate levels in patients with septic shock. <i>Intensive Care Medicine</i> , 2003, 29, 2081-2085.	3.9	22
53	Boerhaave's syndrome in children: a case report and review of the literature. <i>Journal of Pediatric Surgery</i> , 2006, 41, 1620-1623.	0.8	22
54	Multiplanar reconstruction computed tomography for diagnosis of scaphoid waist fracture union: a prospective cohort analysis of accuracy and precision. <i>Skeletal Radiology</i> , 2013, 42, 1377-1382.	1.2	22

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55	Is Bone Grafting Necessary in the Treatment of Malunited Distal Radius Fractures?. <i>Journal of Wrist Surgery</i> , 2015, 04, 207-213.	0.3	22
56	The effect of prolonged dietary nitrate supplementation on atherosclerosis development. <i>Atherosclerosis</i> , 2016, 245, 212-221.	0.4	21
57	Surgical treatment of bronchial rupture in blunt chest trauma: a review of literature. <i>Journal of Thoracic Disease</i> , 2018, 10, 5576-5583.	0.6	21
58	Impaired fracture healing associated with amino acid disturbances. <i>American Journal of Clinical Nutrition</i> , 2012, 95, 1270-1277.	2.2	20
59	Cytokine IL1 $\pm$ and lactate as markers for tissue damage in spineboard immobilisation. A prospective, randomised open-label crossover trial. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 75, 82-88.	1.5	20
60	Gait analysis related to functional outcome in patients operated for ankle fractures. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1658-1666.	1.2	20
61	Increasing Insulin Availability Does Not Augment Postprandial Muscle Protein Synthesis Rates in Healthy Young and Older Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 3978-3988.	1.8	19
62	The Detrimental Impact of the COVID-19 Pandemic on Major Trauma Outcomes in the Netherlands. <i>Annals of Surgery</i> , 2022, 275, 252-258.	2.1	18
63	Evaluation of the Berlin polytrauma definition: A Dutch nationwide observational study. <i>Journal of Trauma and Acute Care Surgery</i> , 2021, 90, 694-699.	1.1	17
64	High sensitivity measurement of amino acid isotope enrichment using liquid chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 905, 31-36.	1.2	16
65	Functional outcome and cost-effectiveness of pulsed electromagnetic fields in the treatment of acute scaphoid fractures: a cost-utility analysis. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 84.	0.8	16
66	Specific Visualization of Nitric Oxide in the Vasculature with Two-Photon Microscopy Using a Copper Based Fluorescent Probe. <i>PLoS ONE</i> , 2013, 8, e75331.	1.1	15
67	Perioperative nutritional supplementation and skeletal muscle mass in older hip-fracture patients. <i>Nutrition Reviews</i> , 2019, 77, 254-266.	2.6	15
68	Accuracy of pre-hospital trauma triage and field triage decision rules in children (P2-T2 study): an observational study. <i>The Lancet Child and Adolescent Health</i> , 2020, 4, 290-298.	2.7	15
69	The cutaneous microbiome in hospitalized patients with pressure ulcers. <i>Scientific Reports</i> , 2020, 10, 5963.	1.6	15
70	Permissive weight bearing in trauma patients with fracture of the lower extremities: prospective multicenter comparative cohort study. <i>BMC Surgery</i> , 2018, 18, 8.	0.6	14
71	Effect of neurokinin-1-receptor blockage on fracture healing in rats. <i>Scientific Reports</i> , 2019, 9, 9744.	1.6	14
72	Reduced caloric intake during endotoxemia reduces arginine availability and metabolism. <i>American Journal of Clinical Nutrition</i> , 2010, 91, 992-1001.	2.2	13

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73	Pulsed Electromagnetic Fields in the treatment of fresh scaphoid fractures. A multicenter, prospective, double blind, placebo controlled, randomized trial. <i>BMC Musculoskeletal Disorders</i> , 2011, 12, 90.	0.8	13
74	Development and validation of a novel prediction model to identify patients in need of specialized trauma care during field triage: design and rationale of the GOAT study. <i>Diagnostic and Prognostic Research</i> , 2019, 3, 12.	0.8	13
75	Mortality in hip fracture patients after implementation of a nurse practitioner-led orthogeriatric care program: results of a 1-year follow-up. <i>Age and Ageing</i> , 2021, 50, 1744-1750.	0.7	13
76	Dutch trauma system performance: Are injured patients treated at the right place?. <i>Injury</i> , 2021, 52, 1688-1696.	0.7	13
77	Effects of unconsciousness during spinal immobilization on tissue-interface pressures: A randomized controlled trial comparing a standard rigid spineboard with a newly developed soft-layered long spineboard. <i>Injury</i> , 2014, 45, 1741-1746.	0.7	11
78	Angular Stable Miniplate Fixation of Chronic Unstable Scaphoid Nonunion. <i>Journal of Wrist Surgery</i> , 2018, 07, 024-030.	0.3	11
79	The Effect of Bolus Vitamin D3 Supplementation on Distal Radius Fracture Healing: A Randomized Controlled Trial Using HR-pQCT. <i>Journal of Bone and Mineral Research</i> , 2020, 36, 1492-1501.	3.1	11
80	Improved Detection of Scaphoid Fractures with High-Resolution Peripheral Quantitative CT Compared with Conventional CT. <i>Journal of Bone and Joint Surgery - Series A</i> , 2020, 102, 2138-2145.	1.4	11
81	The interobserver reliability of the diagnosis and classification of scaphoid fractures using high-resolution peripheral quantitative CT. <i>Bone and Joint Journal</i> , 2020, 102-B, 478-484.	1.9	10
82	The impact of the Trauma Triage App on pre-hospital trauma triage: design and protocol of the stepped-wedge, cluster-randomized TESLA trial. <i>Diagnostic and Prognostic Research</i> , 2020, 4, 10.	0.8	10
83	Primary internal fixation and soft-tissue reconstruction in the treatment for an open Lisfranc fracture-dislocation. <i>Musculoskeletal Surgery</i> , 2012, 96, 59-62.	0.7	9
84	The effect of age and speed on foot and ankle kinematics assessed using a 4-segment foot model. <i>Medicine (United States)</i> , 2017, 96, e7907.	0.4	8
85	miRNAs Related to Different Processes of Fracture Healing: An Integrative Overview. <i>Frontiers in Surgery</i> , 2021, 8, 786564.	0.6	8
86	The Effect of Shear Force on Skin Viability in Patients with Type 2 Diabetes. <i>Journal of Diabetes Research</i> , 2019, 2019, 1-9.	1.0	7
87	Gait analysis and muscle weight analysis after lower extremity fractures in a small animal model. <i>Gait and Posture</i> , 2020, 77, 207-213.	0.6	7
88	The Diagnostic Value of Ultrasound of the Rectus Femoris for the diagnosis of Sarcopenia in adults: A systematic review. <i>Injury</i> , 2022, 53, S23-S29.	0.7	7
89	Effect of spineboard and headblocks on the image quality of head CT scans. <i>Emergency Radiology</i> , 2016, 23, 263-268.	1.0	6
90	Long-term Patient-reported Quality of Life and Pain After a Multidisciplinary Clinical Pathway for Elderly Patients With Hip Fracture: A Retrospective Comparative Cohort Study. <i>Geriatric Orthopaedic Surgery and Rehabilitation</i> , 2019, 10, 215145931984174.	0.6	6

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91	Bone Microarchitecture and Distal Radius Fracture Pattern Complexity. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1690-1697.	1.2	6
92	Geriatric fracture centre vs usual care after proximal femur fracture in older patients: what are the benefits? Results of a large international prospective multicentre study. <i>BMJ Open</i> , 2021, 11, e039960.	0.8	6
93	Clinical evaluation of automated segmentation for body composition analysis on abdominal L3 CT slices in polytrauma patients. <i>Injury</i> , 2022, 53, S30-S41.	0.7	6
94	Development of a novel murine delayed secondary fracture healing in vivo model using periosteal cauterization. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2019, 139, 1743-1753.	1.3	5
95	Mid-term outcome of volar plate fixation for scaphoid nonunion. <i>Bone and Joint Journal</i> , 2020, 102-B, 1697-1702.	1.9	5
96	Lisfranc injuries: fix or fuse?. <i>Bone &amp; Joint Open</i> , 2021, 2, 842-849.	1.1	5
97	Microcirculatory Function during Endotoxemia—A Functional Citrulline-Arginine-NO Pathway and NOS3 Complex Is Essential to Maintain the Microcirculation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11940.	1.8	5
98	Automated 3D Sampling and Imaging of Uneven Sample Surfaces with LA-REIMS. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 111-122.	1.2	5
99	Effect of spinal immobilisation devices on radiation exposure in conventional radiography and computed tomography. <i>Emergency Radiology</i> , 2016, 23, 147-153.	1.0	4
100	Multisegment Foot Models and Clinical Application After Foot and Ankle Trauma: A Review. <i>Journal of Foot and Ankle Surgery</i> , 2019, 58, 748-754.	0.5	4
101	Priority accuracy by dispatch centers and Emergency Medical Services professionals in trauma patients: a cohort study. <i>European Journal of Trauma and Emergency Surgery</i> , 2021, , 1.	0.8	4
102	Diagnostic tools to evaluate ankle instability caused by a deltoid ligament rupture in patients with supination-external rotation ankle fractures: A systematic review and meta-analysis. <i>Injury</i> , 2022, 53, 724-731.	0.7	4
103	Association between bone shape and the presence of a fracture in patients with a clinically suspected scaphoid fracture. <i>Journal of Biomechanics</i> , 2021, 128, 110726.	0.9	4
104	Clinical use of mass spectrometry (imaging) for hard tissue analysis in abnormal fracture healing. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020, 58, 897-913.	1.4	4
105	Effectiveness of surgical treatments on healing of cartilage and function level in patients with osteochondral lesions of the tibial plafond: A systematic review. <i>Journal of Orthopaedics</i> , 2021, 27, 34-40.	0.6	3
106	Multiplanar reformation computed tomography for carpal malalignment. <i>Journal of Hand Surgery: European Volume</i> , 2019, 44, 1049-1055.	0.5	2
107	Severe isolated injuries have a high impact on resource use and mortality: a Dutch nationwide observational study. <i>European Journal of Trauma and Emergency Surgery</i> , 2022, 48, 4267-4276.	0.8	2
108	A Case Report of Abnormal Fracture Healing as Detected With High-Resolution Peripheral Quantitative Computed Tomography. <i>Journal of Clinical Densitometry</i> , 2017, 20, 486-489.	0.5	1

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109	Risk factors of non-union in intramedullary stabilized diaphyseal long bone fractures: identifying the role of fracture stabilization strategies and concomitant injuries. <i>European Journal of Trauma and Emergency Surgery</i> , 2021, 47, 1903-1910.	0.8	1
110	The impact of regionalized trauma care on the distribution of severely injured patients in the Netherlands. <i>European Journal of Trauma and Emergency Surgery</i> , 2022, 48, 1035-1043.	0.8	1
111	Medium-Term Patient-Reported Quality of Life and Activities of Daily Living in Surgically Treated Trauma Patients With Pelvic, Acetabular or Combined Pelvic and Acetabular Fractures in a Retrospective Single-Center Study. <i>Journal of Orthopaedic Trauma</i> , 2021, 35, 192-197.	0.7	1
112	Evaluating the effect of driving distance to the nearest higher level trauma centre on undertriage: a cohort study. <i>Emergency Medicine Journal</i> , 2022, 39, 457-462.	0.4	1
113	Lipid Analysis of Fracture Hematoma With MALDI-MSI: Specific Lipids are Associated to Bone Fracture Healing Over Time. <i>Frontiers in Chemistry</i> , 2021, 9, 780626.	1.8	1
114	Gait analysis and clinical outcome in patients after pilon fracture surgery. <i>Foot and Ankle Surgery</i> , 2022, , .	0.8	1
115	Surgical stabilisation in a 13-year-old boy with traumatic flail chest. <i>BMJ Case Reports</i> , 2015, 2015, bcr2015209371.	0.2	0
116	Value of Pulsed Electromagnetic Stimulation in Acute Scaphoid Fractures. , 2018, , 209-213.		0