Marielle P K J Engelen

List of Publications by Year
in descending order

84 papers	2,520 citations	249298 26 h-index	232693 48 g-index
84 all docs	84 docs citations	84 times ranked	3157 citing authors

#	Article	IF	Citations
1	Impaired intestinal function is associated with lower muscle and cognitive health and wellâ€being in patients with congestive heart failure. Journal of Parenteral and Enteral Nutrition, 2022, 46, 660-670.	1.3	11
2	The importance of protein sources to support muscle anabolism in cancer: An expert group opinion. Clinical Nutrition, 2022, 41, 192-201.	2.3	30
3	A low postabsorptive whole body protein balance is associated with markers of poor daily physical functioning in Chronic Obstructive Pulmonary Disease. Clinical Nutrition, 2022, 41, 885-893.	2.3	3
4	Editorial: The role of targeted nutritional modulation alongside exercise rehabilitation to improve systemic health outcomes in chronic diseases. Current Opinion in Clinical Nutrition and Metabolic Care, 2022, 25, 133-135.	1.3	0
5	Ï‰-3 polyunsaturated fatty acid supplementation improves postabsorptive and prandial protein metabolism in patients with chronic obstructive pulmonary disease: a randomized clinical trial. American Journal of Clinical Nutrition, 2022, 116, 686-698.	2.2	13
6	Early Signs of Impaired Gut Function Affect Daily Functioning in Patients With Advanced Cancer Undergoing Chemotherapy. Journal of Parenteral and Enteral Nutrition, 2021, 45, 752-760.	1.3	6
7	Walking exercise alters protein digestion, amino acid absorption, and whole body protein kinetics in older adults with and without COPD. Journal of Applied Physiology, 2021, 130, 435-444.	1.2	4
8	Intestinal function is impaired in patients with Chronic Obstructive Pulmonary Disease. Clinical Nutrition, 2021, 40, 2270-2277.	2.3	23
9	Metabolic flux analysis of branched-chain amino and keto acids (BCAA, BCKA) and Î²-hydroxy Î²-methylbutyric acid across multiple organs in the pig. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E629-E640.	1.8	9
10	Presence or Absence of Skeletal Muscle Dysfunction in Chronic Obstructive Pulmonary Disease is Associated With Distinct Phenotypes. Archivos De Bronconeumologia, 2021, 57, 264-272.	0.4	10
11	Presence or Absence of Skeletal Muscle Dysfunction in Chronic Obstructive Pulmonary Disease is Associated With Distinct Phenotypes. Archivos De Bronconeumologia, 2021, 57, 264-272.	0.4	3
12	Comprehensive metabolic amino acid flux analysis in critically ill patients. Clinical Nutrition, 2021, 40, 2876-2897.	2.3	16
13	Lower Plasma Short-Chain Fatty Acids Are Associated With Increased Leg Muscle Fatigue in (Morbidly) Obese Adults. Current Developments in Nutrition, 2021, 5, 1258.	0.1	1
14	Reduced Plasma Short-Chain Fatty Acid (SCFA) Concentrations Are Not Associated With Markers of Muscle Health in Non-Small Cell Lung Cancer. Current Developments in Nutrition, 2021, 5, 270.	0.1	0
15	Intestinal dysfunction in chronic disease. Current Opinion in Clinical Nutrition and Metabolic Care, 2021, 24, 464-472.	1.3	2
16	Postprandial concentration of circulating branched chain amino acids are able to predict the carbohydrate content of the ingested mixed meal. Clinical Nutrition, 2021, 40, 5020-5029.	2.3	2
17	Impact of Î²â^'hydroxy-Î²â^'methylbutyrate (HMB) on muscle loss and protein metabolism in critically ill patients: A RCT. Clinical Nutrition, 2021, 40, 4878-4887.	2.3	28
18	Transorgan short-chain fatty acid fluxes in the fasted and postprandial state in the pig. American Journal of Physiology - Endocrinology and Metabolism, 2021, 321, E665-E673.	1.8	8

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19	Disturbances in branched-chain amino acid profile and poor daily functioning in mildly depressed chronic obstructive pulmonary disease patients. BMC Pulmonary Medicine, 2021, 21, 351.	0.8	3
20	In-vivo production of branched-chain amino acids, branched-chain keto acids, and Î²-hydroxy Î²-methylbutyric acid. Current Opinion in Clinical Nutrition and Metabolic Care, 2021, Publish Ahead of Print, 43-49.	1.3	1
21	Metabolic Consequences of Supplemented Methionine in a Clinical Context. Journal of Nutrition, 2020, 150, 2538S-2547S.	1.3	7
22	Activated whole-body arginine pathway in high-active mice. PLoS ONE, 2020, 15, e0235095.	1.1	1
23	Risk Factors for Postural and Functional Balance Impairment in Patients with Chronic Obstructive Pulmonary Disease. Journal of Clinical Medicine, 2020, 9, 609.	1.0	13
24	Comprehensive metabolic flux analysis to explain skeletal muscle weakness in COPD. Clinical Nutrition, 2020, 39, 3056-3065.	2.3	19
25	Protein fractional synthesis rates within tissues of high- and low-active mice. PLoS ONE, 2020, 15, e0242926.	1.1	6
26	Activated whole-body arginine pathway in high-active mice. , 2020, 15, e0235095.		0
27	Activated whole-body arginine pathway in high-active mice. , 2020, 15, e0235095.		0
28	Activated whole-body arginine pathway in high-active mice. , 2020, 15, e0235095.		0
29	Activated whole-body arginine pathway in high-active mice. , 2020, 15, e0235095.		0
30	Protein fractional synthesis rates within tissues of high- and low-active mice. , 2020, 15, e0242926.		0
31	Protein fractional synthesis rates within tissues of high- and low-active mice. , 2020, 15, e0242926.		0
32	Protein fractional synthesis rates within tissues of high- and low-active mice. , 2020, 15, e0242926.		0
33	Protein fractional synthesis rates within tissues of high- and low-active mice. , 2020, 15, e0242926.		0
34	Whole body protein anabolism in COPD patients and healthy older adults is not enhanced by adding either carbohydrates or leucine to a serving of protein. Clinical Nutrition, 2019, 38, 1684-1691.	2.3	13
35	Preserved anabolic threshold and capacity as estimated by a novel stable tracer approach suggests no anabolic resistance or increased requirements in weight stable COPD patients. Clinical Nutrition, 2019, 38, 1833-1843.	2.3	11
36	Closed-loop Tactile Augmentation by Transcutaneous Stimulation on either the Foot Sole or the Palm to Improve Lateral Postural Balance. , 2019, , .		13

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37	Effects of acute oral feeding on protein metabolism and muscle protein synthesis in individuals with cancer. Nutrition, 2019, 67-68, 110531.	1.1	4
38	Inhibition of jejunal protein synthesis and breakdown in Pseudomonas aeruginosa-induced sepsis pig model. American Journal of Physiology - Renal Physiology, 2019, 316, G755-G762.	1.6	7
39	New advances in stable tracer methods to assess whole-body protein and amino acid metabolism. Current Opinion in Clinical Nutrition and Metabolic Care, 2019, 22, 337-346.	1.3	15
40	Increased amino acid turnover and myofibrillar protein breakdown in advanced cancer are associated with muscle weakness and impaired physical function. Clinical Nutrition, 2019, 38, 2399-2407.	2.3	14
41	Amino acid kinetics and the response to nutrition in patients with cancer. International Journal of Radiation Biology, 2019, 95, 480-492.	1.0	13
42	Is Î²-hydroxy Î²-methylbutyrate an effective anabolic agent to improve outcome in older diseased populations?. Current Opinion in Clinical Nutrition and Metabolic Care, 2018, 21, 207-213.	1.3	23
43	Remodelling of primary human CD4⁺T cell plasma membrane order byn-3 PUFA. British Journal of Nutrition, 2018, 119, 163-175.	1.2	34
44	Characteristics of a Pseudomonas aeruginosa induced porcine sepsis model for multi-organ metabolic flux measurements. Laboratory Animals, 2018, 52, 163-175.	0.5	6
45	Metabolic phenotyping using kinetic measurements in young and older healthy adults. Metabolism: Clinical and Experimental, 2018, 78, 167-178.	1.5	36
46	Major surgery diminishes systemic arginine availability and suppresses nitric oxide response to feeding in patients with early stage breast cancer. Clinical Nutrition, 2018, 37, 1645-1653.	2.3	9
47	A critical evaluation of the anabolic response after bolus or continuous feeding in COPD and healthy older adults. Clinical Science, 2018, 132, 17-31.	1.8	8
48	24-Hour protein, arginine and citrulline metabolism in fed critically ill children â€“ A stable isotope tracer study. Clinical Nutrition, 2017, 36, 876-887.	2.3	14
49	Determination of Î²-hydroxy-Î²-methylbutyrate concentration and enrichment in human plasma using chemical ionization gas chromatography tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1040, 233-238.	1.2	8
50	Effectiveness of essential amino acid supplementation in stimulating whole body net protein anabolism is comparable between COPD patients and healthy older adults. Metabolism: Clinical and Experimental, 2017, 69, 120-129.	1.5	36
51	Ammonia lowering reverses sarcopenia of cirrhosis by restoring skeletal muscle proteostasis. Hepatology, 2017, 65, 2045-2058.	3.6	147
52	Tolerance to increased supplemented dietary intakes of methionine in healthy older adults. American Journal of Clinical Nutrition, 2017, 106, 675-683.	2.2	20
53	A four-compartment compartmental model to assess net whole body protein breakdown using a pulse of phenylalanine and tyrosine stable isotopes in humans. American Journal of Physiology - Endocrinology and Metabolism, 2017, 313, E63-E74.	1.8	17
54	Presence of early stage cancer does not impair the early protein metabolic response to major surgery. Journal of Cachexia, Sarcopenia and Muscle, 2017, 8, 447-456.	2.9	14

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55	Phenylalanine isotope pulse method to measure effect of sepsis on protein breakdown and membrane transport in the pig. American Journal of Physiology - Endocrinology and Metabolism, 2017, 312, E519-E529.	1.8	12
56	Protein anabolic resistance in cancer. Current Opinion in Clinical Nutrition and Metabolic Care, 2016, 19, 39-47.	1.3	44
57	Alterations in whole-body arginine metabolism in chronic obstructive pulmonary disease. American Journal of Clinical Nutrition, 2016, 103, 1458-1464.	2.2	29
58	Reduced arginine availability and nitric oxide synthesisÂin cancerÂis related to impaired endogenous arginine synthesis. Clinical Science, 2016, 130, 1185-1195.	1.8	15
59	Metabolic and molecular responses to leucineâ€enriched branched chain amino acid supplementation in the skeletal muscle of alcoholic cirrhosis. Hepatology, 2015, 61, 2018-2029.	3.6	179
60	High anabolic potential of essential amino acid mixtures in advanced nonsmall cell lung cancer. Annals of Oncology, 2015, 26, 1960-1966.	0.6	69
61	Protein is an important but undervalued macronutrient in the nutritional care of patients with cystic fibrosis. Current Opinion in Clinical Nutrition and Metabolic Care, 2014, 17, 515-520.	1.3	34
62	New stable isotope method to measure protein digestibility and response to pancreatic enzyme intake in cystic fibrosis. Clinical Nutrition, 2014, 33, 1024-1032.	2.3	40
63	Increased whole body hydroxyproline production as assessed by a new stable isotope technique is associated with hip and spine bone mineral loss in cystic fibrosis. Clinical Nutrition, 2014, 33, 1117-1121.	2.3	10
64	Hydrolyzed casein and whey protein meals comparably stimulate net whole-body protein synthesis in COPD patients with nutritional depletion without an additional effect of leucine co-ingestion. Clinical Nutrition, 2014, 33, 211-220.	2.3	35
65	Stimulated Nitric Oxide Production and Arginine Deficiency in Children with Cystic Fibrosis with Nutritional Failure. Journal of Pediatrics, 2013, 163, 369-375.e1.	0.9	20
66	Dietary essential amino acids are highly anabolic in pediatric patients with cystic fibrosis. Journal of Cystic Fibrosis, 2013, 12, 445-453.	0.3	28
67	Role of specific dietary amino acids in clinical conditions. British Journal of Nutrition, 2012, 108, S139-S148.	1.2	58
68	Use of body mass index percentile to identify fat-free mass depletion in children with cystic fibrosis. Clinical Nutrition, 2012, 31, 927-933.	2.3	54
69	Casein protein results in higher prandial and exercise induced whole body protein anabolism than whey protein in Chronic Obstructive Pulmonary Disease. Metabolism: Clinical and Experimental, 2012, 61, 1289-1300.	1.5	21
70	Enhanced anabolic response to milk protein sip feeding in elderly subjects with COPD is associated with a reduced splanchnic extraction of multiple amino acids. Clinical Nutrition, 2012, 31, 616-624.	2.3	44
71	Absence of post-prandial gut anabolism after intake of a low quality protein meal. Clinical Nutrition, 2012, 31, 273-282.	2.3	10
72	Differential metabolic effects of casein and soy protein meals on skeletal muscle in healthy volunteers. Clinical Nutrition, 2011, 30, 65-72.	2.3	26

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73	Regulation of nitric oxide production in health and disease. Current Opinion in Clinical Nutrition and Metabolic Care, 2010, 13, 97-104.	1.3	268
74	Dose-dependent satiating effect of whey relative to casein or soy. Physiology and Behavior, 2009, 96, 675-682.	1.0	224
75	Absorption Kinetics of Amino Acids, Peptides, and Intact Proteins. International Journal of Sport Nutrition and Exercise Metabolism, 2007, 17, S23-S36.	1.0	37
76	Supplementation of soy protein with branched-chain amino acids alters protein metabolism in healthy elderly and even more in patients with chronic obstructive pulmonary disease. American Journal of Clinical Nutrition, 2007, 85, 431-439.	2.2	87
77	Greater whole-body myofibrillar protein breakdown in cachectic patients with chronic obstructive pulmonary disease. American Journal of Clinical Nutrition, 2006, 83, 829-834.	2.2	82
78	Metabolic effects of glutamine and glutamate ingestion in healthy subjects and in persons with chronic obstructive pulmonary disease. American Journal of Clinical Nutrition, 2006, 83, 115-23.	2.2	28
79	Altered interorgan response to feeding in patients with chronic obstructive pulmonary disease. American Journal of Clinical Nutrition, 2005, 82, 366-372.	2.2	18
80	Decreased Whole-Body and Splanchnic Glutamate Metabolism in Healthy Elderly Men and Patients with Chronic Obstructive Pulmonary Disease in the Postabsorptive State and in Response to Feeding. Journal of Nutrition, 2005, 135, 2166-2170.	1.3	8
81	Altered amino acid metabolism in chronic obstructive pulmonary disease: new therapeutic perspective?. Current Opinion in Clinical Nutrition and Metabolic Care, 2003, 6, 73-78.	1.3	28
82	Response of whole-body protein and urea turnover to exercise differs between patients with chronic obstructive pulmonary disease with and without emphysema. American Journal of Clinical Nutrition, 2003, 77, 868-874.	2.2	37
83	Skeletal muscle weakness is associated with wasting of extremity fat-free mass but not with airflow obstruction in patients with chronic obstructive pulmonary disease. American Journal of Clinical Nutrition, 2000, 71, 733-738.	2.2	188
84	Factors contributing to alterations in skeletal muscle and plasma amino acid profiles in patients with chronic obstructive pulmonary disease. American Journal of Clinical Nutrition, 2000, 72, 1480-1487.	2.2	106