

# Morten Hostrup

## List of Publications by Year in descending order

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Version: 2024-02-01

79  
papers

1,809  
citations

236612

25  
h-index

329751

37  
g-index

84  
all docs

84  
docs citations

84  
times ranked

1480  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic stressâ€dependent regulation of the mitochondrial biogenic molecular response to highâ€intensity exercise in human skeletal muscle. <i>Journal of Physiology</i> , 2018, 596, 2823-2840.	1.3	84
2	Deep muscle-proteomic analysis of freeze-dried human muscle biopsies reveals fiber type-specific adaptations to exercise training. <i>Nature Communications</i> , 2021, 12, 304.	5.8	79
3	Limitations in intense exercise performance of athletes â€ effect of speed endurance training on ion handling and fatigue development. <i>Journal of Physiology</i> , 2017, 595, 2897-2913.	1.3	68
4	The Impact of Exercise-Induced Bronchoconstriction on Athletic Performance: A Systematic Review. <i>Sports Medicine</i> , 2014, 44, 1749-1761.	3.1	64
5	Effects of Exercise and Diet in Nonobese Asthma Patientsâ€A Randomized Controlled Trial. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2018, 6, 803-811.	2.0	63
6	Effect of aerobic exercise training on asthma in adults: a systematic review and meta-analysis. <i>European Respiratory Journal</i> , 2020, 56, 2000146.	3.1	62
7	$\dot{V}_{O_2}$ â€Adrenergic stimulation enhances $Ca^{2+}$ release and contractile properties of skeletal muscles, and counteracts exerciseâ€induced reductions in $Na^+$ â€ $K^+$ â€ATPase $V_{max}$ in trained men. <i>Journal of Physiology</i> , 2014, 592, 5445-5459.	1.3	55
8	Effects of acute and 2â€week administration of oral salbutamol on exercise performance and muscle strength in athletes. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2016, 26, 8-16.	1.3	55
9	High-dose inhaled terbutaline increases muscle strength and enhances maximal sprint performance in trained men. <i>European Journal of Applied Physiology</i> , 2014, 114, 2499-2508.	1.2	47
10	Beta <sub>2</sub> -adrenoceptor agonist salbutamol increases protein turnover rates and alters signalling in skeletal muscle after resistance exercise in young men. <i>Journal of Physiology</i> , 2018, 596, 4121-4139.	1.3	46
11	Cycling with blood flow restriction improves performance and muscle $K^+$ regulation and alters the effect of antiâ€oxidant infusion in humans. <i>Journal of Physiology</i> , 2019, 597, 2421-2444.	1.3	46
12	A randomized, double-blind, placebo-controlled phase 1 trial of inhaled and intranasal niclosamide: A broad spectrum antiviral candidate for treatment of COVID-19. <i>Lancet Regional Health - Europe</i> , The, 2021, 4, 100084.	3.0	45
13	Combined inhalation of beta <sub>2</sub> -agonists improves swim ergometer sprint performance but not highâ€intensity swim performance. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2014, 24, 814-822.	1.3	44
14	Adaptations to Speed Endurance Training in Highly Trained Soccer Players. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1355-1364.	0.2	44
15	Highâ€intensity exercise training enhances mitochondrial oxidative phosphorylation efficiency in a temperatureâ€dependent manner in human skeletal muscle: implications for exercise performance. <i>FASEB Journal</i> , 2019, 33, 8976-8989.	0.2	44
16	Chronic $\dot{V}_{O_2}$ â€adrenoceptor agonist treatment alters muscle proteome and functional adaptations induced by high intensity training in young men. <i>Journal of Physiology</i> , 2018, 596, 231-252.	1.3	41
17	Training with blood flow restriction increases femoral artery diameter and thigh oxygen delivery during kneeâ€extensor exercise in recreationally trained men. <i>Journal of Physiology</i> , 2020, 598, 2337-2353.	1.3	41
18	Neuromuscular Fatigue and Metabolism during High-Intensity Intermittent Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 1642-1652.	0.2	39

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19	Mechanisms underlying enhancements in muscle force and power output during maximal cycle ergometer exercise induced by chronic $\beta_2$ -adrenergic stimulation in men. <i>Journal of Applied Physiology</i> , 2015, 119, 475-486.	1.2	38
20	Inhaled Beta2-Agonist Increases Power Output and Glycolysis during Sprinting in Men. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 39-48.	0.2	34
21	Hypertrophic effect of inhaled beta <sub>2</sub> -agonist with and without concurrent exercise training: A randomized controlled trial. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2018, 28, 2114-2122.	1.3	33
22	Anabolic and lipolytic actions of beta <sub>2</sub> -agonists in humans and antidoping challenges. <i>Drug Testing and Analysis</i> , 2020, 12, 597-609.	1.6	33
23	Impact of adrenaline and metabolic stress on exercise-induced intracellular signaling and PGC1 $\alpha$ mRNA response in human skeletal muscle. <i>Physiological Reports</i> , 2016, 4, e12844.	0.7	30
24	Effect of formoterol, a long-acting $\beta_2$ -adrenergic agonist, on muscle strength and power output, metabolism, and fatigue during maximal sprinting in men. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R1312-R1321.	0.9	30
25	The effect of exercise and beta <sub>2</sub> -adrenergic stimulation on glutathionylation and function of the Na,K-ATPase in human skeletal muscle. <i>Physiological Reports</i> , 2015, 3, e12515.	0.7	27
26	Blood flow-restricted training enhances thigh glucose uptake during exercise and muscle antioxidant function in humans. <i>Metabolism: Clinical and Experimental</i> , 2019, 98, 1-15.	1.5	26
27	The influence of exercise and dehydration on the urine concentrations of salbutamol after inhaled administration of 1600 $\mu$ g salbutamol as a single dose in relation to doping analysis. <i>Drug Testing and Analysis</i> , 2016, 8, 613-620.	1.6	25
28	Urine and Serum Concentrations of Inhaled and Oral Terbutaline. <i>International Journal of Sports Medicine</i> , 2012, 33, 1026-1033.	0.8	24
29	Effect of inhaled terbutaline on substrate utilization and 300-kcal time trial performance. <i>Journal of Applied Physiology</i> , 2014, 117, 1180-1187.	1.2	24
30	Feasibility of high-intensity training in asthma. <i>European Clinical Respiratory Journal</i> , 2018, 5, 1468714.	0.7	24
31	Beta2-adrenergic stimulation increases energy expenditure at rest, but not during submaximal exercise in active overweight men. <i>European Journal of Applied Physiology</i> , 2017, 117, 1907-1915.	1.2	23
32	The beta <sub>2</sub> -adrenergic receptor – a re-emerging target to combat obesity and induce leanness?. <i>Journal of Physiology</i> , 2022, 600, 1209-1227.	1.3	23
33	In-season adaptations to intense intermittent training and sprint interval training in sub-elite football players. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019, 29, 669-677.	1.3	22
34	Abundance of ClC-1 chloride channel in human skeletal muscle: fiber type specific differences and effect of training. <i>Journal of Applied Physiology</i> , 2018, 125, 470-478.	1.2	20
35	Beta <sub>2</sub> -adrenergic agonist clenbuterol increases energy expenditure and fat oxidation, and induces mTOR phosphorylation in skeletal muscle of young healthy men. <i>Drug Testing and Analysis</i> , 2020, 12, 610-618.	1.6	20
36	Muscle Ionic Shifts During Exercise: Implications for Fatigue and Exercise Performance. , 2021, 11, 1895-1959.		19

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37	Effects of Follicular and Luteal Phase-Based Menstrual Cycle Resistance Training on Muscle Strength and Mass. <i>Sports Medicine</i> , 2022, 52, 2813-2819.	3.1	19
38	Urine concentrations of oral salbutamol in samples collected after intense exercise in endurance athletes. <i>Drug Testing and Analysis</i> , 2014, 6, 528-532.	1.6	18
39	Pharmacokinetics of Oral and Inhaled Terbutaline after Exercise in Trained Men. <i>Frontiers in Pharmacology</i> , 2016, 7, 150.	1.6	18
40	$\beta_2$ -Adrenergic agonist salbutamol augments hypertrophy in MHCIIa fibers and sprint mean power output but not muscle force during 11 weeks of resistance training in young men. <i>Journal of Applied Physiology</i> , 2021, 130, 617-626.	1.2	17
41	Inclusion of sprints in moderate intensity continuous training leads to muscle oxidative adaptations in trained individuals. <i>Physiological Reports</i> , 2019, 7, e13976.	0.7	16
42	Single-dose administration of clenbuterol is detectable in dried blood spots. <i>Drug Testing and Analysis</i> , 2020, 12, 1366-1372.	1.6	16
43	Discovery of thymosin $\beta_4$ as a human exercine and growth factor. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 321, C770-C778.	2.1	16
44	High-intensity interval training remodels the proteome and acetylome of human skeletal muscle. <i>ELife</i> , 0, 11, .	2.8	16
45	Enantioselective disposition of (R)-salmeterol and (S)-salmeterol in urine following inhaled dosing and application to doping control. <i>Drug Testing and Analysis</i> , 2017, 9, 1262-1266.	1.6	14
46	Effect of beta $_2$ -adrenergic agonist and resistance training on maximal oxygen uptake and muscle oxidative enzymes in men. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019, 29, 1881-1891.	1.3	14
47	Nitrate-rich beetroot juice ingestion reduces skeletal muscle $O_2$ uptake and blood flow during exercise in sedentary men. <i>Journal of Physiology</i> , 2021, 599, 5203-5214.	1.3	14
48	Efficacy of 10-20 min high-intensity interval training versus moderate-intensity continuous training on HbA1c, body composition and maximum oxygen uptake in male patients with type 2 diabetes: A randomized controlled trial. <i>Diabetes, Obesity and Metabolism</i> , 2020, 22, 767-778.	2.2	13
49	An Abductive Inference Approach to Assess the Performance-Enhancing Effects of Drugs Included on the World Anti-Doping Agency Prohibited List. <i>Sports Medicine</i> , 2021, 51, 1353-1376.	3.1	13
50	$\beta_2$ -Agonist Induces Net Leg Glucose Uptake and Free Fatty Acid Release at Rest but Not During Exercise in Young Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 647-657.	1.8	12
51	The effect of blood flow-restricted interval training on lactate and $H^+$ dynamics during dynamic exercise in man. <i>Acta Physiologica</i> , 2021, 231, e13580.	1.8	12
52	Long-Acting $\beta_2$ -Agonists in Asthma: Enantioselective Safety Studies are Needed. <i>Drug Safety</i> , 2018, 41, 441-449.	1.4	11
53	Enantioselective disposition of (R)-formoterol, (S)-formoterol and their respective glucuronides in urine following single inhaled dosing and application to doping control. <i>Drug Testing and Analysis</i> , 2019, 11, 950-956.	1.6	11
54	Terbutaline: level the playing field for inhaled $\beta_2$ -agonists by introducing a dosing and urine threshold. <i>British Journal of Sports Medicine</i> , 2017, 51, 1323-1324.	3.1	10

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55	Two-week inhalation of budesonide increases muscle Na,K ATPase content but not endurance in response to terbutaline in men. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2017, 27, 684-691.	1.3	9
56	Beta <sub>2</sub> -adrenergic ligand racemic formoterol exhibits enantioselective disposition in blood and skeletal muscle of humans, and elicits myocellular PKA signaling at therapeutic inhaled doses. <i>Drug Testing and Analysis</i> , 2019, 11, 1048-1056.	1.6	9
57	Influence of exercise in normal and hot ambient conditions on the pharmacokinetics of inhaled terbutaline in trained men. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2017, 27, 692-703.	1.3	8
58	Terbutaline Accumulates in Blood and Urine after Daily Therapeutic Inhalation. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 1236-1243.	0.2	8
59	Beta <sub>2</sub> -adrenergic agonists can enhance intense performance and muscle strength in healthy individuals. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 2318-2319.	2.7	8
60	Muscle hypertrophic effect of inhaled beta <sub>2</sub> -agonist is associated with augmented insulin-stimulated whole-body glucose disposal in young men. <i>Journal of Physiology</i> , 2022, 600, 2345-2357.	1.3	8
61	Pharmacokinetics of salmeterol and its main metabolite Î±-hydroxysalmeterol after acute and chronic dry powder inhalation in exercising endurance-trained men: Implications for doping control. <i>Drug Testing and Analysis</i> , 2021, 13, 747-761.	1.6	7
62	Pharmacokinetics of nebulized and oral procaterol in asthmatic and non-asthmatic subjects in relation to doping analysis. <i>Drug Testing and Analysis</i> , 2016, 8, 1056-1064.	1.6	5
63	Intra-Individual Variability in the Urine Concentrations of Inhaled Salmeterol in Male Subjects with Reference to Doping Analysisâ€œImpact of Urine Specific Gravity Correction. , 2012, 02, .		5
64	Nonpharmacologic Strategies to Manage Exercise-Induced Bronchoconstriction. <i>Immunology and Allergy Clinics of North America</i> , 2018, 38, 245-258.	0.7	4
65	The Road to the Beijing Winter Olympics and Beyond: Opinions and Perspectives on Physiology and Innovation in Winter Sport. <i>Journal of Science in Sport and Exercise</i> , 2021, 3, 321-331.	0.4	4
66	Beta <sub>2</sub> -agonist increases skeletal muscle interleukin 6 production and release in response to resistance exercise in men. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2022, 32, 1099-1108.	1.3	4
67	Improving beta-alanine supplementation strategy to enhance exercise performance in athletes. <i>Journal of Physiology</i> , 2016, 594, 4701-4702.	1.3	3
68	Bronchoscopic mucosal cryobiopsies as a method for studying airway disease. <i>Clinical and Experimental Allergy</i> , 2019, 49, 27-34.	1.4	3
69	The salmeterol anomaly and the need for a urine threshold. <i>Drug Testing and Analysis</i> , 2022, 14, 997-1003.	1.6	3
70	No additive effect of acetaminophen when co-ingested with caffeine on cycling performance in well-trained young men. <i>Journal of Applied Physiology</i> , 2021, 131, 238-249.	1.2	3
71	Salbutamol Increases Leg Glucose Uptake and Metabolic Rate but not Muscle Glycogen Resynthesis in Recovery From Exercise. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, e1193-e1203.	1.8	3
72	Inorganic phosphate, protons and diprotonated phosphate may contribute to the exacerbated muscle fatigue in older adults. <i>Journal of Physiology</i> , 2019, 597, 4865-4866.	1.3	2

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73	Commentaries on Viewpoint: A (Baker's) dozen tips for enhancing early-stage academic career development in biomedical research. <i>Journal of Applied Physiology</i> , 2021, 131, 1516-1519.	1.2	2
74	Effect of aerobic exercise training on asthma control in postmenopausal women (the ATOM-study): protocol for an outcome assessor, randomised controlled trial. <i>BMJ Open</i> , 2021, 11, e049477.	0.8	1
75	8â€¦The salbutamol passport: how to rule out an adverse analytical finding from serial urine tests. , 2018, , .		0
76	Microâ€¦doses of Recombinant Human Erythropoietin Enhance Endurance Performance While Indirect Detection by The Athlete Biological Passport Is Improved by Including The Immature Reticulocyte Fraction. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
77	Effect of oneâ€¦week oral or inhaled salbutamol treatment with washout on repeated sprint performance in trained subjects. <i>Translational Sports Medicine</i> , 2021, 4, 241-249.	0.5	0
78	Different Effects of Inhaled Corticosteroids on Infiltrating Mast Cells in Type 2 High and Type 2 Low Asthma. , 2022, , .		0
79	The Effects of High-Intensity Interval Training on Inhaled Corticosteroid Dose in Patients with Asthma - a Randomized Controlled Trial. , 2022, , .		0