

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	The salmeterol anomaly and the need for a urine threshold. <i>Drug Testing and Analysis</i> , 2022, 14, 997-1003.	1.6	3
2	The beta ₂ -adrenergic receptor – a re-emerging target to combat obesity and induce leanness?. <i>Journal of Physiology</i> , 2022, 600, 1209-1227.	1.3	23
3	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
4	Muscle hypertrophic effect of inhaled beta ₂ -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
5	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
6	Beta ₂ -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
7	Different Effects of Inhaled Corticosteroids on Infiltrating Mast Cells in Type 2 High and Type 2 Low Asthma. , 2022, , .		0
8	The Effects of High-Intensity Interval Training on Inhaled Corticosteroid Dose in Patients with Asthma - a Randomized Controlled Trial. , 2022, , .		0
9	Pharmacokinetics of salmeterol and its main metabolite β -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
10	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
11	β -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
12	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
13	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
14	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
15	Microdoses 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
16	Beta ₂ -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
17	Muscle Ionic Shifts During Exercise: Implications for Fatigue and Exercise Performance. , 2021, 11, 1895-1959.		19
18	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

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19	Discovery of thymosin β^4 as a human exerkine and growth factor. American Journal of Physiology - Cell Physiology, 2021, 321, C770-C778.	2.1	16
20	Nitrate-rich beetroot juice ingestion reduces skeletal muscle O_2 uptake and blood flow during exercise in sedentary men. Journal of Physiology, 2021, 599, 5203-5214.	1.3	14
21	The Road to the Beijing Winter Olympics and Beyond: Opinions and Perspectives on Physiology and Innovation in Winter Sport. Journal of Science in Sport and Exercise, 2021, 3, 321-331.	0.4	4
22	Deep muscle-proteomic analysis of freeze-dried human muscle biopsies reveals fiber type-specific adaptations to exercise training. Nature Communications, 2021, 12, 304.	5.8	79
23	Effect of one-week oral or inhaled salbutamol treatment with washout on repeated sprint performance in trained subjects. Translational Sports Medicine, 2021, 4, 241-249.	0.5	0
24	Commentaries on Viewpoint: A (Baker's) dozen tips for enhancing early-stage academic career development in biomedical research. Journal of Applied Physiology, 2021, 131, 1516-1519.	1.2	2
25	Efficacy of 10-20-30 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. Diabetes, Obesity and Metabolism, 2020, 22, 767-778.	2.2	13
26	Beta $_2$ -adrenergic agonist clenbuterol increases energy expenditure and fat oxidation, and induces mTOR phosphorylation in skeletal muscle of young healthy men. Drug Testing and Analysis, 2020, 12, 610-618.	1.6	20
27	Effect of aerobic exercise training on asthma in adults: a systematic review and meta-analysis. European Respiratory Journal, 2020, 56, 2000146.	3.1	62
28	Single-dose administration of clenbuterol is detectable in dried blood spots. Drug Testing and Analysis, 2020, 12, 1366-1372.	1.6	16
29	Training with blood flow restriction increases femoral artery diameter and thigh oxygen delivery during knee extensor exercise in recreationally trained men. Journal of Physiology, 2020, 598, 2337-2353.	1.3	41
30	Anabolic and lipolytic actions of beta $_2$ -agonists in humans and antidoping challenges. Drug Testing and Analysis, 2020, 12, 597-609.	1.6	33
31	Inorganic phosphate, protons and diprotonated phosphate may contribute to the exacerbated muscle fatigue in older adults. Journal of Physiology, 2019, 597, 4865-4866.	1.3	2
32	Effect of beta $_2$ -adrenergic agonist and resistance training on maximal oxygen uptake and muscle oxidative enzymes in men. Scandinavian Journal of Medicine and Science in Sports, 2019, 29, 1881-1891.	1.3	14
33	In-season adaptations to intense intermittent training and sprint interval training in sub-elite football players. Scandinavian Journal of Medicine and Science in Sports, 2019, 29, 669-677.	1.3	22
34	Blood flow-restricted training enhances thigh glucose uptake during exercise and muscle antioxidant function in humans. Metabolism: Clinical and Experimental, 2019, 98, 1-15.	1.5	26
35	High-intensity exercise training enhances mitochondrial oxidative phosphorylation efficiency in a temperature-dependent manner in human skeletal muscle: implications for exercise performance. FASEB Journal, 2019, 33, 8976-8989.	0.2	44
36	Enantioselective disposition of (<i>R,R</i>)-formoterol, (<i>S,S</i>)-formoterol and their respective glucuronides in urine following single inhaled dosing and application to doping control. Drug Testing and Analysis, 2019, 11, 950-956.	1.6	11

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37	Beta ₂ -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
38	Cycling with blood flow restriction improves performance and muscle K ⁺ regulation and alters the effect of anti-oxidant infusion in humans. <i>Journal of Physiology</i> , 2019, 597, 2421-2444.	1.3	46
39	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
40	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
41	<i>β</i> 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
42	Bronchoscopic mucosal cryobiopsies as a method for studying airway disease. <i>Clinical and Experimental Allergy</i> , 2019, 49, 27-34.	1.4	3
43	Effects of Exercise and Diet in Nonobese Asthma Patients—A Randomized Controlled Trial. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2018, 6, 803-811.	2.0	63
44	Long-Acting <i>β</i> ₂ -Agonists in Asthma: Enantioselective Safety Studies are Needed. <i>Drug Safety</i> , 2018, 41, 441-449.	1.4	11
45	Metabolic stress-dependent regulation of the mitochondrial biogenic molecular response to high-intensity exercise in human skeletal muscle. <i>Journal of Physiology</i> , 2018, 596, 2823-2840.	1.3	84
46	Nonpharmacologic Strategies to Manage Exercise-Induced Bronchoconstriction. <i>Immunology and Allergy Clinics of North America</i> , 2018, 38, 245-258.	0.7	4
47	Chronic <i>β</i> ₂ -adrenergic 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
48	8â€¦.The salbutamol passport: how to rule out an adverse analytical finding from serial urine tests. , 2018, , .		0
49	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
50	Feasibility of high-intensity training in asthma. <i>European Clinical Respiratory Journal</i> , 2018, 5, 1468714.	0.7	24
51	Hypertrophic effect of inhaled beta ₂ -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
52	Beta ₂ -adrenergic 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
53	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
54	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

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55	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
56	Terbutaline: level the playing field for inhaled β_2 -agonists by introducing a dosing and urine threshold. <i>British Journal of Sports Medicine</i> , 2017, 51, 1323-1324.	3.1	10
57	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
58	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
59	Limitations in intense exercise performance of athletes – effect of speed endurance training on ion handling and fatigue development. <i>Journal of Physiology</i> , 2017, 595, 2897-2913.	1.3	68
60	Pharmacokinetics of Oral and Inhaled Terbutaline after Exercise in Trained Men. <i>Frontiers in Pharmacology</i> , 2016, 7, 150.	1.6	18
61	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
62	The influence of exercise and dehydration on the urine concentrations of salbutamol after inhaled administration of 1600 μ g salbutamol as a single dose in relation to doping analysis. <i>Drug Testing and Analysis</i> , 2016, 8, 613-620.	1.6	25
63	Improving beta-alanine supplementation strategy to enhance exercise performance in athletes. <i>Journal of Physiology</i> , 2016, 594, 4701-4702.	1.3	3
64	Impact of adrenaline and metabolic stress on exercise-induced intracellular signaling and PGC-1 α mRNA response in human skeletal muscle. <i>Physiological Reports</i> , 2016, 4, e12844.	0.7	30
65	Effect of formoterol, a long-acting β_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
66	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
67	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
68	Effects of acute and 2-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
69	The effect of exercise and beta $_2$ -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
70	Mechanisms underlying enhancements in muscle force and power output during maximal cycle ergometer exercise induced by chronic β_2 -adrenergic stimulation in men. <i>Journal of Applied Physiology</i> , 2015, 119, 475-486.	1.2	38
71	β_2 -Adrenergic stimulation enhances Ca $^{2+}$ release and contractile properties of skeletal muscles, and counteracts exercise-induced reductions in Na $^{+}$ -K $^{+}$ -ATPase V_{max} in trained men. <i>Journal of Physiology</i> , 2014, 592, 5445-5459.	1.3	55
72	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

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73	Combined inhalation of beta ₂ -agonists improves swim ergometer sprint performance but not high-intensity swim performance. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2014, 24, 814-822.	1.3	44
74	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
75	The Impact of Exercise-Induced Bronchoconstriction on Athletic Performance: A Systematic Review. <i>Sports Medicine</i> , 2014, 44, 1749-1761.	3.1	64
76	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
77	Urine and Serum Concentrations of Inhaled and Oral Terbutaline. <i>International Journal of Sports Medicine</i> , 2012, 33, 1026-1033.	0.8	24
78	Intra-Individual Variability in the Urine Concentrations of Inhaled Salmeterol in Male Subjects with Reference to Doping Analysis—Impact of Urine Specific Gravity Correction. , 2012, 02, .		5
79	High-intensity interval training remodels the proteome and acetylome of human skeletal muscle. <i>ELife</i> , 0, 11, .	2.8	16