Bente Klarlund Pedersen

List of Publications by Year
in descending order

577 papers	70,072 citations	125 h-index	241 g-index
		587	906
641 all docs	641 docs citations	641 times ranked	55327 citing authors

#	Article	IF	Citations
1	Gut Microbiota in Human Adults with Type 2 Diabetes Differs from Non-Diabetic Adults. PLoS ONE, 2010, 5, e9085.	1.1	2,309
2	The anti-inflammatory effect of exercise. Journal of Applied Physiology, 2005, 98, 1154-1162.	1.2	2,278
3	Exercise as medicine â€“ evidence for prescribing exercise as therapy in 26 different chronic diseases. Scandinavian Journal of Medicine and Science in Sports, 2015, 25, 1-72.	1.3	2,111
4	Muscles, exercise and obesity: skeletal muscle as a secretory organ. Nature Reviews Endocrinology, 2012, 8, 457-465.	4.3	1,972
5	IL-6 mediates hypoferremia of inflammation by inducing the synthesis of the iron regulatory hormone hepcidin. Journal of Clinical Investigation, 2004, 113, 1271-1276.	3.9	1,809
6	Muscle as an Endocrine Organ: Focus on Muscle-Derived Interleukin-6. Physiological Reviews, 2008, 88, 1379-1406.	13.1	1,683
7	Exercise and the Immune System: Regulation, Integration, and Adaptation. Physiological Reviews, 2000, 80, 1055-1081.	13.1	1,233
8	Evidence for prescribing exercise as therapy in chronic disease. Scandinavian Journal of Medicine and Science in Sports, 2006, 16, 3-63.	1.3	1,003
9	Position statement. Part one: Immune function and exercise. Exercise Immunology Review, 2011, 17, 6-63.	0.4	876
10	IL-6 enhances plasma IL-1ra, IL-10, and cortisol in humans. American Journal of Physiology - Endocrinology and Metabolism, 2003, 285, E433-E437.	1.8	837
11	Production of interleukinâ€6 in contracting human skeletal muscles can account for the exerciseâ€induced increase in plasma interleukinâ€6. Journal of Physiology, 2000, 529, 237-242.	1.3	777
12	Pro- and anti-inflammatory cytokine balance in strenuous exercise in humans. Journal of Physiology, 1999, 515, 287-291.	1.3	767
13	Muscleâ€derived interleukinâ€6: mechanisms for activation and possible biological roles. FASEB Journal, 2002, 16, 1335-1347.	0.2	717
14	Evidence for a release of brainâ€derived neurotrophic factor from the brain during exercise. Experimental Physiology, 2009, 94, 1062-1069.	0.9	709
15	Interleukin-6 Increases Insulin-Stimulated Glucose Disposal in Humans and Glucose Uptake and Fatty Acid Oxidation In Vitro via AMP-Activated Protein Kinase. Diabetes, 2006, 55, 2688-2697.	0.3	699
16	Role of myokines in exercise and metabolism. Journal of Applied Physiology, 2007, 103, 1093-1098.	1.2	613
17	Exercise and ILâ€6 infusion inhibit endotoxinâ€induced TNFâ€Î± production in humans. FASEB Journal, 2003, 17, 1-10.	0.2	612
18	Interleukin-6 Stimulates Lipolysis and Fat Oxidation in Humans. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 3005-3010.	1.8	609

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19	Aging and proinflammatory cytokines. Current Opinion in Hematology, 2001, 8, 131-136.	1.2	593
20	Voluntary Running Suppresses Tumor Growth through Epinephrine- and IL-6-Dependent NK Cell Mobilization and Redistribution. Cell Metabolism, 2016, 23, 554-562.	7.2	572
21	Brain-derived neurotrophic factor (BDNF) and type 2 diabetes. Diabetologia, 2007, 50, 431-438.	2.9	571
22	Interleukinâ€6 myokine signaling in skeletal muscle: a doubleâ€edged sword?. FEBS Journal, 2013, 280, 4131-4148.	2.2	550
23	Brain-derived neurotrophic factor is produced by skeletal muscle cells in response to contraction and enhances fat oxidation via activation of AMP-activated protein kinase. Diabetologia, 2009, 52, 1409-1418.	2.9	535
24	Evidence that interleukin-6 is produced in human skeletal muscle during prolonged running. Journal of Physiology, 1998, 508, 949-953.	1.3	533
25	Age-related inflammatory cytokines and disease. Immunology and Allergy Clinics of North America, 2003, 23, 15-39.	0.7	504
26	Tumor Necrosis Factor-Â Induces Skeletal Muscle Insulin Resistance in Healthy Human Subjects via Inhibition of Akt Substrate 160 Phosphorylation. Diabetes, 2005, 54, 2939-2945.	0.3	503
27	Muscles and their myokines. Journal of Experimental Biology, 2011, 214, 337-346.	0.8	498
28	The diseasome of physical inactivity â€“ and the role of myokines in muscleâ€“fat cross talk. Journal of Physiology, 2009, 587, 5559-5568.	1.3	488
29	A Classical Brown Adipose Tissue mRNA Signature Partly Overlaps with Brite in the Supraclavicular Region of Adult Humans. Cell Metabolism, 2013, 17, 798-805.	7.2	474
30	Exercise and the immune system: a model of the stress response?. Trends in Immunology, 1994, 15, 382-387.	7.5	450
31	Muscleâ€derived interleukinâ€6: possible biological effects. Journal of Physiology, 2001, 536, 329-337.	1.3	442
32	Muscleâ€“Organ Crosstalk: The Emerging Roles of Myokines. Endocrine Reviews, 2020, 41, 594-609.	8.9	428
33	Searching for the exercise factor: is IL-6 a candidate?. Journal of Muscle Research and Cell Motility, 2003, 24, 113-119.	0.9	416
34	A High Plasma Concentration of TNF-Â Is Associated With Dementia in Centenarians. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 1999, 54, M357-M364.	1.7	410
35	Antiâ€inflammatory effects of exercise: role in diabetes and cardiovascular disease. European Journal of Clinical Investigation, 2017, 47, 600-611.	1.7	408
36	Muscle as a Secretory Organ. , 2013, 3, 1337-1362.		403

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37	Physical activity and muscleâ€“brain crosstalk. Nature Reviews Endocrinology, 2019, 15, 383-392.	4.3	402
38	Transcriptional activation of the ILâ€6 gene in human contracting skeletal muscle: influence of muscle glycogen content. FASEB Journal, 2001, 15, 1-15.	0.2	385
39	Exercise as a Mean to Control Low-Grade Systemic Inflammation. Mediators of Inflammation, 2008, 2008, 1-6.	1.4	374
40	Interleukin-6 Is a Novel Factor Mediating Glucose Homeostasis During Skeletal Muscle Contraction. Diabetes, 2004, 53, 1643-1648.	0.3	352
41	Exercise as an anti-inflammatory therapy for rheumatic diseasesâ€”myokine regulation. Nature Reviews Rheumatology, 2015, 11, 86-97.	3.5	352
42	Interleukinâ€6 production in contracting human skeletal muscle is influenced by preâ€exercise muscle glycogen content. Journal of Physiology, 2001, 537, 633-639.	1.3	348
43	Exerciseâ€induced increase in serum interleukinâ€6 in humans is related to muscle damage.. Journal of Physiology, 1997, 499, 833-841.	1.3	333
44	Molecular Mechanisms Linking Exercise to Cancer Prevention and Treatment. Cell Metabolism, 2018, 27, 10-21.	7.2	333
45	Ageing, tumour necrosis factor-alpha (TNF-Î±) and atherosclerosis. Clinical and Experimental Immunology, 2000, 121, 255-260.	1.1	328
46	Altered DNA Methylation and Differential Expression of Genes Influencing Metabolism and Inflammation in Adipose Tissue From Subjects With Type 2 Diabetes. Diabetes, 2014, 63, 2962-2976.	0.3	326
47	IL-6 and TNF-Î± expression in, and release from, contracting human skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2002, 283, E1272-E1278.	1.8	322
48	Exercise and Immune Function. Sports Medicine, 1999, 27, 73-80.	3.1	312
49	Contraction-Induced Myokine Production and Release: Is Skeletal Muscle an Endocrine Organ?. Exercise and Sport Sciences Reviews, 2005, 33, 114-119.	1.6	306
50	Exercise, nutrition and immune function. Journal of Sports Sciences, 2004, 22, 115-125.	1.0	296
51	Using molecular classification to predict gains in maximal aerobic capacity following endurance exercise training in humans. Journal of Applied Physiology, 2010, 108, 1487-1496.	1.2	296
52	A trauma-like elevation of plasma cytokines in humans in response to treadmill running. Journal of Physiology, 1998, 513, 889-894.	1.3	294
53	The Role of Exercise-Induced Myokines in Muscle Homeostasis and the Defense against Chronic Diseases. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-6.	3.0	294
54	Circulating levels of TNF-alpha and IL-6-relation to truncal fat mass and muscle mass in healthy elderly individuals and in patients with type-2 diabetes. Mechanisms of Ageing and Development, 2003, 124, 495-502.	2.2	288

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55	Effects ofLactobacillus acidophilusNCFM on insulin sensitivity and the systemic inflammatory response in human subjects. British Journal of Nutrition, 2010, 104, 1831-1838.	1.2	288
56	Beneficial health effects of exercise â€“ the role of IL-6 as a myokine. Trends in Pharmacological Sciences, 2007, 28, 152-156.	4.0	283
57	BDNF is a novel marker of cognitive function in ageing women: The DRâ€™s EXTRA Study. Neurobiology of Learning and Memory, 2008, 90, 596-603.	1.0	282
58	The Effects of Free-Living Interval-Walking Training on Glycemic Control, Body Composition, and Physical Fitness in Type 2 Diabetic Patients. Diabetes Care, 2013, 36, 228-236.	4.3	280
59	Exercise-induced myokines and their role in chronic diseases. Brain, Behavior, and Immunity, 2011, 25, 811-816.	2.0	277
60	Effects of exercise on lymphocytes and cytokines. British Journal of Sports Medicine, 2000, 34, 246-251.	3.1	276
61	Muscle specific microRNAs are regulated by endurance exercise in human skeletal muscle. Journal of Physiology, 2010, 588, 4029-4037.	1.3	273
62	Physical activity and plasma interleukin-6 in humans - effect of intensity of exercise. European Journal of Applied Physiology, 2000, 83, 512-515.	1.2	272
63	Elevated levels of tumor necrosis factor alpha and mortality in centenarians. American Journal of Medicine, 2003, 115, 278-283.	0.6	270
64	Exerkines in health, resilience and disease. Nature Reviews Endocrinology, 2022, 18, 273-289.	4.3	268
65	The anti-inflammatory effect of exercise: its role in diabetes and cardiovascular disease control. Essays in Biochemistry, 2006, 42, 105-117.	2.1	260
66	Dynamics of the Skeletal Muscle Secretome during Myoblast Differentiation. Molecular and Cellular Proteomics, 2010, 9, 2482-2496.	2.5	248
67	The miRNA Plasma Signature in Response to Acute Aerobic Exercise and Endurance Training. PLoS ONE, 2014, 9, e87308.	1.1	247
68	Human Endotoxemia as a Model of Systemic Inflammation. Current Medicinal Chemistry, 2008, 15, 1697-1705.	1.2	244
69	AMPK activity is diminished in tissues of IL-6 knockout mice: the effect of exercise. Biochemical and Biophysical Research Communications, 2004, 320, 449-454.	1.0	242
70	Metabolic Responses to Reduced Daily Steps in Healthy Nonexercising Men. JAMA - Journal of the American Medical Association, 2008, 299, 1261.	3.8	241
71	Predicting death from tumour necrosis factor-alpha and interleukin-6 in 80-year-old people. Clinical and Experimental Immunology, 2003, 132, 24-31.	1.1	238
72	Acute IL-6 treatment increases fatty acid turnover in elderly humans in vivo and in tissue culture in vitro. American Journal of Physiology - Endocrinology and Metabolism, 2005, 288, E155-E162.	1.8	238

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73	A 2-wk reduction of ambulatory activity attenuates peripheral insulin sensitivity. Journal of Applied Physiology, 2010, 108, 1034-1040.	1.2	236
74	Sarcopenia and Postoperative Complication Risk in Gastrointestinal Surgical Oncology. Annals of Surgery, 2018, 268, 58-69.	2.1	232
75	Skeletal muscle adaptation: training twice every second day vs. training once daily. Journal of Applied Physiology, 2005, 98, 93-99.	1.2	228
76	Exercise-Induced Changes in Visceral Adipose Tissue Mass Are Regulated by IL-6 Signaling: A Randomized Controlled Trial. Cell Metabolism, 2019, 29, 844-855.e3.	7.2	228
77	Exercise and cytokines. Immunology and Cell Biology, 2000, 78, 532-535.	1.0	225
78	Integration of microRNA changes in vivo identifies novel molecular features of muscle insulin resistance in type 2 diabetes. Genome Medicine, 2010, 2, 9.	3.6	225
79	NK cell response to physical activity: possible mechanisms of action. Medicine and Science in Sports and Exercise, 1994, 26, 140-146.	0.2	217
80	Role of exerciseâ€induced brainâ€derived neurotrophic factor production in the regulation of energy homeostasis in mammals. Experimental Physiology, 2009, 94, 1153-1160.	0.9	217
81	Supplementation with vitamins C and E inhibits the release of interleukin-6 from contracting human skeletal muscle. Journal of Physiology, 2004, 558, 633-645.	1.3	216
82	The metabolic role of IL-6 produced during exercise: is IL-6 an exercise factor?. Proceedings of the Nutrition Society, 2004, 63, 263-267.	0.4	211
83	Muscle contractions induce interleukinâ€6 mRNA production in rat skeletal muscles. Journal of Physiology, 2000, 528, 157-163.	1.3	210
84	Expression of interleukinâ€15 in human skeletal muscle â€“ effect of exercise and muscle fibre type composition. Journal of Physiology, 2007, 584, 305-312.	1.3	200
85	Exercise-induced muscle-derived cytokines inhibit mammary cancer cell growth. American Journal of Physiology - Endocrinology and Metabolism, 2011, 301, E504-E510.	1.8	196
86	The cytokine response to strenuous exercise. Canadian Journal of Physiology and Pharmacology, 1998, 76, 505-511.	0.7	191
87	Evidence that the effect of physical exercise on NK cell activity is mediated by epinephrine. Journal of Applied Physiology, 1991, 70, 2530-2534.	1.2	189
88	Influence of preâ€exercise muscle glycogen content on exerciseâ€induced transcriptional regulation of metabolic genes. Journal of Physiology, 2002, 541, 261-271.	1.3	189
89	Serum level of soluble urokinase-type plasminogen activator receptor is a strong and independent predictor of survival in human immunodeficiency virus infection. Blood, 2000, 96, 4091-4095.	0.6	185
90	Edward F. Adolph Distinguished Lecture: Muscle as an endocrine organ: IL-6 and other myokines. Journal of Applied Physiology, 2009, 107, 1006-1014.	1.2	184

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91	Exercise and type 2 diabetes: focus on metabolism and inflammation. Immunology and Cell Biology, 2016, 94, 146-150.	1.0	182
92	Fibroblast Growth Factor-21 Is Induced in Human Skeletal Muscles by Hyperinsulinemia. Diabetes, 2009, 58, 2797-2801.	0.3	177
93	Muscle-derived interleukin-6: lipolytic, anti-inflammatory and immune regulatory effects. Pflugers Archiv European Journal of Physiology, 2003, 446, 9-16.	1.3	175
94	Skeletal muscle action of estrogen receptor Î± is critical for the maintenance of mitochondrial function and metabolic homeostasis in females. Science Translational Medicine, 2016, 8, 334ra54.	5.8	174
95	Cytokine response to eccentric exercise in young and elderly humans. American Journal of Physiology - Cell Physiology, 2002, 283, C289-C295.	2.1	171
96	Bicycle exercise enhances plasma IL-6 but does not change IL-1 alpha, IL-1 beta, IL-6, or TNF-alpha pre-mRNA in BMNC. Journal of Applied Physiology, 1994, 77, 93-97.	1.2	170
97	Fat-specific Protein 27 Regulates Storage of Triacylglycerol. Journal of Biological Chemistry, 2008, 283, 14355-14365.	1.6	169
98	Association between Interleukin-15 and Obesity: Interleukin-15 as a Potential Regulator of Fat Mass. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 4486-4493.	1.8	169
99	Physiological roles of muscle-derived interleukin-6 in response to exercise. Current Opinion in Clinical Nutrition and Metabolic Care, 2007, 10, 265-271.	1.3	167
100	The biological roles of exercise-induced cytokines: IL-6, IL-8, and IL-15. Applied Physiology, Nutrition and Metabolism, 2007, 32, 833-839.	0.9	167
101	Muscle-derived interleukin-6â€"A possible link between skeletal muscle, adipose tissue, liver, and brain. Brain, Behavior, and Immunity, 2005, 19, 371-376.	2.0	166
102	The effect of graded exercise on ILâ€6 release and glucose uptake in human skeletal muscle. Journal of Physiology, 2003, 546, 299-305.	1.3	164
103	Defective natural immunity: an early manifestation of human immunodeficiency virus infection.. Journal of Experimental Medicine, 1995, 182, 789-799.	4.2	162
104	Plasma levels of interleukin-6 and C-reactive protein are associated with physical inactivity independent of obesity. Scandinavian Journal of Medicine and Science in Sports, 2006, 17, 061120070736003-???.	1.3	162
105	Exercise and interleukin-6. Current Opinion in Hematology, 2001, 8, 137-141.	1.2	161
106	Low-dose endotoxemia and human neuropsychological functions. Brain, Behavior, and Immunity, 2005, 19, 453-460.	2.0	159
107	Interleukin-6 Regulation of AMP-Activated Protein Kinase: Potential Role in the Systemic Response to Exercise and Prevention of the Metabolic Syndrome. Diabetes, 2006, 55, S48-S54.	0.3	158
108	IL-6 selectively stimulates fat metabolism in human skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2010, 299, E832-E840.	1.8	156

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109	Interleukinâ€6 release from the human brain during prolonged exercise. Journal of Physiology, 2002, 542, 991-995.	1.3	155
110	Glucose Ingestion Attenuates Interleukinâ€6 Release from Contracting Skeletal Muscle in Humans. Journal of Physiology, 2003, 549, 607-612.	1.3	154
111	Effect of an Intensive Lifestyle Intervention on Glycemic Control in Patients With Type 2 Diabetes. JAMA - Journal of the American Medical Association, 2017, 318, 637.	3.8	154
112	Exercise induces hepatosplanchnic release of heat shock protein 72 in humans. Journal of Physiology, 2002, 544, 957-962.	1.3	153
113	Exercise Induces a Marked Increase in Plasma Follistatin: Evidence That Follistatin Is a Contraction-Induced Hepatokine. Endocrinology, 2011, 152, 164-171.	1.4	152
114	IL-6 signalling in exercise and disease. Biochemical Society Transactions, 2007, 35, 1295-1297.	1.6	151
115	Antioxidant Supplementation Does Not Alter Endurance Training Adaptation. Medicine and Science in Sports and Exercise, 2010, 42, 1388-1395.	0.2	150
116	Strenuous exercise decreases the percentage of type 1 T cells in the circulation. Journal of Applied Physiology, 2001, 91, 1708-1712.	1.2	148
117	Interleukin-6 does/does not have a beneficial role in insulin sensitivity and glucose homeostasis. Journal of Applied Physiology, 2007, 102, 814-816.	1.2	148
118	Elderly Humans Show Prolonged In Vivo Inflammatory Activity during Pneumococcal Infections. Journal of Infectious Diseases, 1999, 180, 551-554.	1.9	147
119	Muscular Interleukin-6 and Its Role as an Energy Sensor. Medicine and Science in Sports and Exercise, 2012, 44, 392-396.	0.2	143
120	Smoking impairs muscle protein synthesis and increases the expression of myostatin and MAFbx in muscle. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E843-E848.	1.8	141
121	Impaired production of proinflammatory cytokines in response to lipopolysaccharide (LPS) stimulation in elderly humans. Clinical and Experimental Immunology, 1999, 118, 235-241.	1.1	137
122	Associations between insulin resistance and TNF-Î± in plasma, skeletal muscle and adipose tissue in humans with and without type 2 diabetes. Diabetologia, 2007, 50, 2562-2571.	2.9	137
123	Effect of exercise, training, and glycogen availability on IL-6 receptor expression in human skeletal muscle. Journal of Applied Physiology, 2005, 99, 2075-2079.	1.2	136
124	Reduced glycogen availability is associated with an elevation in HSP72 in contracting human skeletal muscle. Journal of Physiology, 2002, 538, 911-917.	1.3	135
125	Insulin stimulates interleukin-6 and tumor necrosis factor-Î± gene expression in human subcutaneous adipose tissue. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E234-E238.	1.8	134
126	Leisure time physical activity during pregnancy and impact on gestational diabetes mellitus, preâ€eclampsia, preterm delivery and birth weight: a review. Acta Obstetricia Et Gynecologica Scandinavica, 2007, 86, 1290-1296.	1.3	132

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127	ROS and myokines promote muscle adaptation to exercise. Trends in Endocrinology and Metabolism, 2009, 20, 95-99.	3.1	132
128	Is ageing associated with a shift in the balance between Type 1 and Type 2 cytokines in humans?. Clinical and Experimental Immunology, 2002, 127, 107-114.	1.1	131
129	Influence of TNF-Î± and IL-6 infusions on insulin sensitivity and expression of IL-18 in humans. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E108-E114.	1.8	131
130	TGF-Î²2 is an exercise-induced adipokine that regulates glucose and fatty acid metabolism. Nature Metabolism, 2019, 1, 291-303.	5.1	128
131	Plasma YKL-40. Diabetes, 2008, 57, 3078-3082.	0.3	127
132	Effect of vitamin supplementation on cytokine response and on muscle damage after strenuous exercise. American Journal of Physiology - Cell Physiology, 2001, 280, C1570-C1575.	2.1	126
133	Exercise-Induced Immunomodulation - Possible Roles of Neuroendocrine and Metabolic Factors. International Journal of Sports Medicine, 1997, 18, S2-S7.	0.8	125
134	Immunohistochemical detection of interleukinâ€6 in human skeletal muscle fibers following exercise. FASEB Journal, 2003, 17, 1-11.	0.2	125
135	The role of IL-6 in mediating the anti-inflammatory effects of exercise. Journal of Physiology and Pharmacology, 2006, 57 Suppl 10, 43-51.	1.1	125
136	Ageing Is Associated with a Prolonged Fever Response in Human Endotoxemia. Vaccine Journal, 2001, 8, 333-338.	2.6	124
137	Endurance training reduces the contraction-induced interleukin-6 mRNA expression in human skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2004, 287, E1189-E1194.	1.8	124
138	The cytokine response to strenuous exercise. Canadian Journal of Physiology and Pharmacology, 1998, 76, 505-11.	0.7	124
139	Modulation of Natural Killer Cell Activity in Peripheral Blood by Physical Exercise. Scandinavian Journal of Immunology, 1988, 27, 673-678.	1.3	122
140	The effect on glycaemic control of lowâ€volume highâ€intensity interval training versus endurance training in individuals with type 2 diabetes. Diabetes, Obesity and Metabolism, 2018, 20, 1131-1139.	2.2	122
141	The Bipolar Illness Onset study: research protocol for the BIO cohort study. BMJ Open, 2017, 7, e015462.	0.8	119
142	Body Composition Is the Main Determinant for the Difference in Type 2 Diabetes Pathophysiology Between Japanese and Caucasians. Diabetes Care, 2014, 37, 796-804.	4.3	118
143	Exercise-Induced Catecholamines Activate the Hippo Tumor Suppressor Pathway to Reduce Risks of Breast Cancer Development. Cancer Research, 2017, 77, 4894-4904.	0.4	117
144	Production of Î²â€Chemokines in Human Immunodeficiency Virus (HIV) Infection: Evidence that High Levels of Macrophage Inflammatory Proteinâ€1Î² Are Associated with a Decreased Risk of HIV Disease Progression. Journal of Infectious Diseases, 1998, 177, 331-336.	1.9	116

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145	Bimodal Effect on Pancreatic Î²-Cells of Secretory Products From Normal or Insulin-Resistant Human Skeletal Muscle. Diabetes, 2011, 60, 1111-1121.	0.3	115
146	Effect of Physical Exercise on Blood Mononuclear Cell Subpopulations and in Vitro Proliferative Responses. Scandinavian Journal of Immunology, 1989, 29, 383-389.	1.3	114
147	The Effect of Strength and Endurance Training on Insulin Sensitivity and Fat Distribution in Human Immunodeficiency Virus-Infected Patients with Lipodystrophy. Journal of Clinical Endocrinology and Metabolism, 2008, 93, 3860-3869.	1.8	114
148	Cardiolipin Synthesis in Brown and Beige Fat Mitochondria Is Essential for Systemic Energy Homeostasis. Cell Metabolism, 2018, 28, 159-174.e11.	7.2	114
149	How Physical Exercise Influences the Establishment of Infections. Sports Medicine, 1995, 19, 393-400.	3.1	113
150	LIF is a contraction-induced myokine stimulating human myocyte proliferation. Journal of Applied Physiology, 2011, 111, 251-259.	1.2	112
151	Proteome- and Transcriptome-Driven Reconstruction of the Human Myocyte Metabolic Network and Its Use for Identification of Markers for Diabetes. Cell Reports, 2015, 11, 921-933.	2.9	112
152	Chemokines are elevated in plasma after strenuous exercise in humans. European Journal of Applied Physiology, 2001, 84, 244-245.	1.2	111
153	Effect of hyperglycemia and hyperinsulinemia on the response of IL-6, TNF-Î±, and FFAs to low-dose endotoxemia in humans. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E766-E772.	1.8	111
154	THIS ARTICLE HAS BEEN RETRACTED Exercise induces interleukin-8 expression in human skeletal muscle. Journal of Physiology, 2005, 563, 507-516.	1.3	111
155	Hypoxemia increases serum interleukin-6 in humans. European Journal of Applied Physiology, 1997, 76, 480-482.	1.2	110
156	Influence of Physical Activity on the Cellular Immune System: Mechanisms of Action. International Journal of Sports Medicine, 1991, 12, S23-S29.	0.8	109
157	Plasma interleukin-6 during strenuous exercise: role of epinephrine. American Journal of Physiology - Cell Physiology, 2001, 281, C1001-C1004.	2.1	109
158	Interleukin-6 production by contracting human skeletal muscle: autocrine regulation by IL-6. Biochemical and Biophysical Research Communications, 2003, 310, 550-554.	1.0	109
159	Proteomics-Based Comparative Mapping of the Secretomes of Human Brown and White Adipocytes Reveals EPDR1 as a Novel Batokine. Cell Metabolism, 2019, 30, 963-975.e7.	7.2	109
160	Acute interleukin-6 administration does not impair muscle glucose uptake or whole-body glucose disposal in healthy humans. Journal of Physiology, 2003, 548, 631-638.	1.3	106
161	Calprotectin â€" A Novel Marker of Obesity. PLoS ONE, 2009, 4, e7419.	1.1	105
162	Glucagon-to-insulin ratio is pivotal for splanchnic regulation of FGF-21 in humans. Molecular Metabolism, 2015, 4, 551-560.	3.0	105

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163	Elevated plasma interleukin-18 is a marker of insulin-resistance in type 2 diabetic and non-diabetic humans. Clinical Immunology, 2005, 117, 152-160.	1.4	104
164	Natural Killer Cell Activity in Peripheral Blood of Highly Trained and Untrained Persons. International Journal of Sports Medicine, 1989, 10, 129-131.	0.8	103
165	In vivo cell-mediated immunity and vaccination response following prolonged, intense exercise. Medicine and Science in Sports and Exercise, 1997, 29, 1176-1181.	0.2	102
166	Exercise induces expression of leukaemia inhibitory factor in human skeletal muscle. Journal of Physiology, 2008, 586, 2195-2201.	1.3	101
167	Human T cell responses induced by vaccination with Mycobacterium bovis bacillus Calmette-GuÃ©rin. Journal of Immunology, 1997, 158, 1949-55.	0.4	101
168	Indometacin In Vitro and In Vivo Abolishes Post-Exercise Suppression of Natural Killer Cell Activity in Peripheral Blood. International Journal of Sports Medicine, 1990, 11, 127-131.	0.8	100
169	The Effect of Light, Moderate and Severe Bicycle Exercise on Lymphocyte Subsets, Natural and Lymphokine Activated Killer Cells, Lymphocyte Proliferative Response and Interleukin 2 Production. International Journal of Sports Medicine, 1993, 14, 275-282.	0.8	100
170	Possible beneficial role of exercise in modulating low-grade inflammation in the elderly. Scandinavian Journal of Medicine and Science in Sports, 2003, 13, 56-62.	1.3	99
171	Insulin resistance in patients with rheumatoid arthritis: effect of antiâ€TNFÎ± therapy. Scandinavian Journal of Rheumatology, 2007, 36, 91-96.	0.6	99
172	Cholinergic status modulations in human volunteers under acute inflammation. Journal of Molecular Medicine, 2007, 85, 1239-1251.	1.7	99
173	ILâ€6 Gene Expression in Human Adipose Tissue in Response to Exercise â€“ Effect of Carbohydrate Ingestion. Journal of Physiology, 2003, 550, 927-931.	1.3	96
174	Rhinitis and asthma in athletes: an ARIA document in collaboration with GA2LEN. Allergy: European Journal of Allergy and Clinical Immunology, 2006, 61, 681-692.	2.7	96
175	Effect of 8 wk of bicycle training on the immune system of patients with rheumatoid arthritis. Journal of Applied Physiology, 1993, 75, 1691-1695.	1.2	95
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