I Mark Olfert

List of Publications by Year
in descending order

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84 papers	2,251 citations	218592 26 h-index	233338 45 g-index
84 all docs	84 docs citations	84 times ranked	3049 citing authors

#	Article	IF	Citations
1	Low vs. High Wattage Vaping during Pregnancy Influences Vascular Function in Rat Offspring. FASEB Journal, 2022, 36, .	0.2	1
2	Shortâ€term effects of electronic cigarettes on cerebrovascular function: A time course study. Experimental Physiology, 2022, 107, 994-1006.	0.9	6
3	Electronic Cigarettes and Vaping-Associated Lung Injury (EVALI): A Rural Appalachian Experience. Hospital Practice (1995), 2021, 49, 79-87.	0.5	2
4	Chronic stress induced perivascular adipose tissue impairment of aortic function and the therapeutic effect of exercise. Experimental Physiology, 2021, 106, 1343-1358.	0.9	9
5	Psychosocial Factors Associated with E-Cigarette Use among Young Adults in a 4-Year University in Appalachia. Substance Use and Misuse, 2021, 56, 1182-1189.	0.7	2
6	Severity of Cerebrovascular Dysfunction Associated with Electronic Cigarette Wattage. FASEB Journal, 2021, 35, .	0.2	0
7	Role of Perivascular Adipose Tissue and Exercise on Arterial Function with Obesity. Exercise and Sport Sciences Reviews, 2021, 49, 188-196.	1.6	2
8	Metabolic physiology and skeletal muscle phenotypes in male and female myoglobin knockout mice. American Journal of Physiology - Endocrinology and Metabolism, 2021, 321, E63-E79.	1.8	7
9	Long-term cerebrovascular dysfunction in the offspring from maternal electronic cigarette use during pregnancy. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H339-H352.	1.5	11
10	Sex differences in skeletal muscle revealed through fiber type, capillarity, and transcriptomics profiling in mice. Physiological Reports, 2021, 9, e15031.	0.7	12
11	Electronic cigarettes: how bad are they for your health?. Cardiovascular Research, 2020, 116, e64-e66.	1.8	0
12	Chronic electronic cigarette use elicits molecular changes related to pulmonary pathogenesis. Toxicology and Applied Pharmacology, 2020, 406, 115224.	1.3	5
13	Exercise training prevents the perivascular adipose tissue-induced aortic dysfunction with metabolic syndrome. Redox Biology, 2019, 26, 101285.	3.9	24
14	Bariatric Surgery Outcomes in Appalachia Influenced by Surgery Type, Diabetes, and Depression. Obesity Surgery, 2019, 29, 1222-1228.	1.1	5
15	Monetary Cost of the MyPlate Diet in Young Adults: Higher Expenses Associated with Increased Fruit and Vegetable Consumption. Journal of Nutrition and Metabolism, 2019, 2019, 1-7.	0.7	7
16	Development of an At-Risk Score for Metabolic Syndrome. Topics in Clinical Nutrition, 2019, 34, 246-258.	0.2	1
17	Educational intervention improves fruit and vegetable intake in young adults with metabolic syndrome components. Nutrition Research, 2019, 62, 89-100.	1.3	14
18	Chronic effects of vaping with and without nicotine on arterial stiffness in rats. FASEB Journal, 2019, 33, lb512-lb512.	0.2	0

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19	Memory and Learning in Offspring Exposed to Maternal Vaping. FASEB Journal, 2019, 33, 737.7.	0.2	1
20	Vaping During Pregnancy Results in Arterial Stiffness in Offspring. FASEB Journal, 2019, 33, 828.18.	0.2	0
21	Nicotine and exercise performance: another tool in the arsenal or curse for anti-doping?. European Journal of Applied Physiology, 2018, 118, 679-680.	1.2	3
22	Psychological stressâ€induced cerebrovascular dysfunction: the role of metabolic syndrome and exercise. Experimental Physiology, 2018, 103, 761-776.	0.9	18
23	Aortic dysfunction in metabolic syndrome mediated by perivascular adipose tissue TNFÎ±â€and NOX2â€dependent pathway. Experimental Physiology, 2018, 103, 590-603.	0.9	26
24	Role of Chronic Stress and Exercise on Microvascular Function in Metabolic Syndrome. Medicine and Science in Sports and Exercise, 2018, 50, 957-966.	0.2	20
25	Chronic exposure to electronic cigarettes results in impaired cardiovascular function in mice. Journal of Applied Physiology, 2018, 124, 573-582.	1.2	108
26	Hypoxic Preconditioning Attenuates Reoxygenation-Induced Skeletal Muscle Dysfunction in Aged Pulmonary TNF-Î± Overexpressing Mice. Frontiers in Physiology, 2018, 9, 1720.	1.3	5
27	Respiratory muscle training positively affects vasomotor response in young healthy women. PLoS ONE, 2018, 13, e0203347.	1.1	10
28	Effects of 8 Months of Eâ€cigarette Exposure on Cytokine expression in Mice. FASEB Journal, 2018, 32, lb399.	0.2	0
29	Impaired Tissue Oxygenation in Metabolic Syndrome Requires Increased Microvascular Perfusion Heterogeneity. Journal of Cardiovascular Translational Research, 2017, 10, 69-81.	1.1	20
30	Thrombospondin-1 mediates multi-walled carbon nanotube induced impairment of arteriolar dilation. Nanotoxicology, 2017, 11, 112-122.	1.6	15
31	Ultrastructure of Skeletal Muscles in Mice Lacking Muscleâ€Specific VEGF Expression. Anatomical Record, 2017, 300, 2239-2249.	0.8	4
32	Effect of chronic stress on running wheel activity in mice. PLoS ONE, 2017, 12, e0184829.	1.1	20
33	Efficacy of nutritional interventions to lower circulating ceramides in young adults: FRUVEDomic pilot study. Physiological Reports, 2017, 5, e13329.	0.7	31
34	Physiological Capillary Regression is not Dependent on Reducing <scp>VEGF</scp> Expression. Microcirculation, 2016, 23, 146-156.	1.0	20
35	Advances and challenges in skeletal muscle angiogenesis. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H326-H336.	1.5	133
36	Exercise and the lungs: nature or nurture?. Journal of Physiology, 2016, 594, 5037-5038.	1.3	2

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37	Phosphorylation of murine double minuteâ€2 on Ser ¹⁶⁶ is downstream of VEGFâ€A in exercised skeletal muscle and regulates primary endothelial cell migration and FoxO gene expression. FASEB Journal, 2016, 30, 1120-1134.	0.2	15
38	Loss of Adipocyte VEGF Impairs Endurance Exercise Capacity in Mice. Medicine and Science in Sports and Exercise, 2015, 47, 2329-2339.	0.2	8
39	Improved Arterialâ€"Ventricular Coupling in Metabolic Syndrome after Exercise Training. Medicine and Science in Sports and Exercise, 2015, 47, 2-11.	0.2	12
40	High-Fat, High-Calorie Diet Enhances Mammary Carcinogenesis and Local Inflammation in MMTV-PyMT Mouse Model of Breast Cancer. Cancers, 2015, 7, 1125-1142.	1.7	53
41	Angiotensin II Evokes Angiogenic Signals within Skeletal Muscle through Co-ordinated Effects on Skeletal Myocytes and Endothelial Cells. PLoS ONE, 2014, 9, e85537.	1.1	28
42	Aerobic exercise training reduces arterial stiffness in metabolic syndrome. Journal of Applied Physiology, 2014, 116, 1396-1404.	1.2	92
43	Functional deficiencies of subsarcolemmal mitochondria in the type 2 diabetic human heart. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H54-H65.	1.5	62
44	Increase in relative deposition of fine particles in the rat lung periphery in the absence of gravity. Journal of Applied Physiology, 2014, 117, 880-886.	1.2	10
45	Effects of detraining on the temporal expression of positive and negative angioregulatory proteins in skeletal muscle of mice. Journal of Physiology, 2014, 592, 3325-3338.	1.3	20
46	Exercise reveals impairments in left ventricular systolic function in patients with metabolic syndrome. Experimental Physiology, 2014, 99, 149-163.	0.9	21
47	Inflammatory cytokine response to exercise in alpha-1-antitrypsin deficient COPD patients â€˜onâ€™ or â€˜offâ€™ augmentation therapy. BMC Pulmonary Medicine, 2014, 14, 106.	0.8	10
48	Pulmonary Gas Exchange and Acidâ€Base Balance During Exercise. , 2013, 3, 693-739.		76
49	Temporal response of positive and negative regulators in response to acute and chronic exercise training in mice. Journal of Physiology, 2013, 591, 5157-5169.	1.3	38
50	Chronic Delivery of a Thrombospondin-1 Mimetic Decreases Skeletal Muscle Capillarity in Mice. PLoS ONE, 2013, 8, e55953.	1.1	19
51	Increased systemic TNFÎ± reduces skeletal muscle capillarity but does not change skeletal muscle fatigability in a mouse model of COPD. FASEB Journal, 2013, 27, lb804.	0.2	0
52	Basal expression of VEGF does not correlate with loss of skeletal muscle capillarity with detraining. FASEB Journal, 2013, 27, 1132.10.	0.2	0
53	Muscleâ€specific VEGF knockout disrupts thermoregulation without altering mitochondrial morphometry or activity. FASEB Journal, 2013, 27, lb773.	0.2	0
54	Genetics shift the angioâ€adaptive balance in skeletal muscle of mice selected for high running capacity. FASEB Journal, 2012, 26, 1142.26.	0.2	0

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55	EARLY MICROVESSEL LOSS IN THE METABOLIC SYNDROME. FASEB Journal, 2012, 26, 682.9.	0.2	0
56	Chronic administration of a thrombospondinâ€1 mimetic: upsetting exercise capacity and the angiogenic balance in skeletal muscle. FASEB Journal, 2012, 26, 1142.25.	0.2	0
57	Gene profiling of muscle specific VEGF deficient mice: Linking angiogenesis to metabolism?. FASEB Journal, 2012, 26, 1144.16.	0.2	1
58	Sirtuin 1 (SIRT1) Deacetylase Activity Is Not Required for Mitochondrial Biogenesis or Peroxisome Proliferator-activated Receptor-Î³ Coactivator-1Î± (PGC-1Î±) Deacetylation following Endurance Exercise. Journal of Biological Chemistry, 2011, 286, 30561-30570.	1.6	156
59	Sildenafil and Bosentan Improve Arterial Oxygenation During Acute Hypoxic Exercise: A Controlled Laboratory Trial. Wilderness and Environmental Medicine, 2011, 22, 211-221.	0.4	21
60	Importance of Antiâ€angiogenic Factors in the Regulation of Skeletal Muscle Angiogenesis. Microcirculation, 2011, 18, 316-330.	1.0	61
61	Divergence between arterial perfusion and fatigue resistance in skeletal muscle in the metabolic syndrome. Experimental Physiology, 2011, 96, 369-383.	0.9	31
62	Expression of angiogenic regulators and skeletal muscle capillarity in selectively bred high aerobic capacity mice. Experimental Physiology, 2011, 96, 1138-1150.	0.9	19
63	Aging Disrupts The Balance Between Positive And Negative Angiogenic Factors In Skeletal Muscle. FASEB Journal, 2011, 25, lb557.	0.2	0
64	DIVERGENCE BETWEEN ARTERIAL PERFUSION AND FATIGUE RESISTANCE IN SKELETAL MUSCLE IN THE METABOLIC SYNDROME. FASEB Journal, 2011, 25, 1023.7.	0.2	0
65	Rapid intravenous infusion of 20 ml/kg saline does not impair resting pulmonary gas exchange in the healthy human lung. Journal of Applied Physiology, 2010, 108, 53-59.	1.2	26
66	Detraining losses of skeletal muscle capillarization are associated with vascular endothelial growth factor protein expression in rats. Experimental Physiology, 2010, 95, 359-368.	0.9	29
67	Plantaris muscle capillarity is reduced in pulmonary TNFÎ± overâ€expressing mice. FASEB Journal, 2010, 24, 989.16.	0.2	0
68	Last Word on Point:Counterpoint: Exercise-induced intrapulmonary shunting is imaginary vs. real. Journal of Applied Physiology, 2009, 107, 1002-1002.	1.2	12
69	Global deletion of thrombospondinâ€1 increases cardiac and skeletal muscle capillarity and exercise capacity in mice. Experimental Physiology, 2009, 94, 749-760.	0.9	91
70	Muscleâ€specific VEGF deficiency greatly reduces exercise endurance in mice. Journal of Physiology, 2009, 587, 1755-1767.	1.3	127
71	Point:Counterpoint: Exercise-induced intrapulmonary shunting is imaginary vs. real. Journal of Applied Physiology, 2009, 107, 993-994.	1.2	48
72	Temporal effects of training on skeletal muscle angiogenic responses to acute exercise. FASEB Journal, 2009, 23, LB125.	0.2	0

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73	Tidal volume dependency of gas exchange in bronchoconstricted pig lungs. Journal of Applied Physiology, 2007, 103, 148-155.	1.2	6
74	The effect of incomplete acetylene washout on cardiac output measurement using open circuit acetylene uptake. Respiratory Physiology and Neurobiology, 2007, 155, 177-183.	0.7	0
75	Effect of acetazolamide on pulmonary and muscle gas exchange during normoxic and hypoxic exercise. Journal of Physiology, 2007, 579, 909-921.	1.3	48
76	Temporal thrombospondin-1 mRNA response in skeletal muscle exposed to acute and chronic exercise. Growth Factors, 2006, 24, 253-259.	0.5	41
77	Muscle-targeted deletion of VEGF and exercise capacity in mice. Respiratory Physiology and Neurobiology, 2006, 151, 159-166.	0.7	31
78	Steep head-down tilt has persisting effects on the distribution of pulmonary blood flow. Journal of Applied Physiology, 2006, 101, 583-589.	1.2	28
79	Effect of 60Â° head-down tilt on peripheral gas mixing in the human lung. Journal of Applied Physiology, 2004, 97, 827-834.	1.2	8
80	Loss of Skeletal Muscle HIF-1Î± Results in Altered Exercise Endurance. PLoS Biology, 2004, 2, e288.	2.6	175
81	Does gender affect human pulmonary gas exchange during exercise?. Journal of Physiology, 2004, 557, 529-541.	1.3	86
82	Skeletal muscle capillarity and angiogenic mRNA levels after exercise training in normoxia and chronic hypoxia. Journal of Applied Physiology, 2001, 91, 1176-1184.	1.2	88
83	Chronic hypoxia attenuates resting and exercise-induced VEGF, flt-1, and flk-1 mRNA levels in skeletal muscle. Journal of Applied Physiology, 2001, 90, 1532-1538.	1.2	54
84	Measurement of cardiac output during exercise by open-circuit acetylene uptake. Journal of Applied Physiology, 1999, 87, 1506-1512.	1.2	56