

Matthew W Mcdonald

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

726
citations

623574

14
h-index

552653

26
g-index

31
all docs

31
docs citations

31
times ranked

1275
citing authors

#	ARTICLE	IF	CITATIONS
1	Is Environmental Enrichment Ready for Clinical Application in Human Post-stroke Rehabilitation?. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 135.	1.0	98
2	Community Interventions to Improve Cooking Skills and Their Effects on Confidence and Eating Behaviour. <i>Current Nutrition Reports</i> , 2016, 5, 315-322.	2.1	93
3	Flexibility of Older Adults Aged 55–86 Years and the Influence of Physical Activity. <i>Journal of Aging Research</i> , 2013, 2013, 1-8.	0.4	73
4	Nanostructured biosensor for detecting glucose in tear by applying fluorescence resonance energy transfer quenching mechanism. <i>Biosensors and Bioelectronics</i> , 2017, 91, 393-399.	5.3	62
5	Cognition in stroke rehabilitation and recovery research: Consensus-based core recommendations from the second Stroke Recovery and Rehabilitation Roundtable. <i>International Journal of Stroke</i> , 2019, 14, 774-782.	2.9	52
6	The role of resistance and aerobic exercise training on insulin sensitivity measures in STZ-induced Type 1 diabetic rodents. <i>Metabolism: Clinical and Experimental</i> , 2013, 62, 1485-1494.	1.5	45
7	Advancing Stroke Recovery Through Improved Articulation of Nonpharmacological Intervention Dose. <i>Stroke</i> , 2021, 52, 761-769.	1.0	39
8	Metabolomic Response of Skeletal Muscle to Aerobic Exercise Training in Insulin Resistant Type 1 Diabetic Rats. <i>Scientific Reports</i> , 2016, 6, 26379.	1.6	23
9	A chronic physical activity treatment in obese rats normalizes the contributions of ET-1 and NO to insulin-mediated posterior cerebral artery vasodilation. <i>Journal of Applied Physiology</i> , 2017, 122, 1040-1050.	1.2	22
10	Influence of metabolic syndrome on cerebral perfusion and cognition. <i>Neurobiology of Disease</i> , 2020, 137, 104756.	2.1	22
11	Exercise training enhances insulin-stimulated nerve arterial vasodilation in rats with insulin-treated experimental diabetes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 306, R941-R950.	0.9	21
12	Post-stroke kinematic analysis in rats reveals similar reaching abnormalities as humans. <i>Scientific Reports</i> , 2018, 8, 8738.	1.6	21
13	Neuroprotection by Remote Ischemic Conditioning in Rodent Models of Focal Ischemia: a Systematic Review and Meta-Analysis. <i>Translational Stroke Research</i> , 2021, 12, 461-473.	2.3	21
14	Short- and Long-term Exposure to Low and High Dose Running Produce Differential Effects on Hippocampal Neurogenesis. <i>Neuroscience</i> , 2018, 369, 202-211.	1.1	16
15	Remote Ischemic Conditioning and Stroke Recovery. <i>Neurorehabilitation and Neural Repair</i> , 2021, 35, 545-549.	1.4	14
16	Vessel-specific rate of vasorelaxation is slower in diabetic rats. <i>Diabetes and Vascular Disease Research</i> , 2013, 10, 179-186.	0.9	11
17	Ischemia-reperfusion injury and hypoglycemia risk in insulin-treated T1DM rats following different modalities of regular exercise. <i>Physiological Reports</i> , 2014, 2, e12201.	0.7	11
18	High Intensity Aerobic Exercise Training Improves Deficits of Cardiovascular Autonomic Function in a Rat Model of Type 1 Diabetes Mellitus with Moderate Hyperglycemia. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-13.	1.0	11

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19	The glucoregulatory response to high-intensity aerobic exercise following training in rats with insulin-treated type 1 diabetes mellitus. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016, 41, 631-639.	0.9	10
20	Effect of Combined Exercise Versus Aerobic-Only Training on Skeletal Muscle Lipid Metabolism in a Rodent Model of Type 1 Diabetes. <i>Canadian Journal of Diabetes</i> , 2018, 42, 404-411.	0.4	10
21	Exercise Training Induced Cardioprotection with Moderate Hyperglycemia versus Sedentary Intensive Glycemic Control in Type 1 Diabetic Rats. <i>Journal of Diabetes Research</i> , 2018, 2018, 1-10.	1.0	9
22	Morphological assessment of pancreatic islet hormone content following aerobic exercise training in rats with poorly controlled Type 1 diabetes mellitus. <i>Islets</i> , 2014, 6, e29221.	0.9	8
23	Cognition in Stroke Rehabilitation and Recovery Research: Consensus-Based Core Recommendations From the Second Stroke Recovery and Rehabilitation Roundtable. <i>Neurorehabilitation and Neural Repair</i> , 2019, 33, 943-950.	1.4	8
24	An RFID-based activity tracking system to monitor individual rodent behavior in environmental enrichment: Implications for post-stroke cognitive recovery. <i>Journal of Neuroscience Methods</i> , 2019, 324, 108306.	1.3	8
25	Aerobic exercise training improves insulin-induced vasorelaxation in a vessel-specific manner in rats with insulin-treated experimental diabetes. <i>Diabetes and Vascular Disease Research</i> , 2019, 16, 77-86.	0.9	8
26	An Exercise Mimetic Approach to Reduce Poststroke Deconditioning and Enhance Stroke Recovery. <i>Neurorehabilitation and Neural Repair</i> , 2021, 35, 471-485.	1.4	4
27	The relationship between blood pressure and sciatic nerve blood flow velocity in rats with insulin-treated experimental diabetes. <i>Diabetes and Vascular Disease Research</i> , 2014, 11, 281-289.	0.9	2
28	Commentaries on Viewpoint: A time for exercise: the exercise window. <i>Journal of Applied Physiology</i> , 2017, 122, 210-213.	1.2	2
29	Aerobic Endurance Training Does Not Protect Bone Against Poorly Controlled Type 1 Diabetes in Young Adult Rats. <i>Calcified Tissue International</i> , 2017, 100, 374-381.	1.5	2
30	Localizing Microemboli within the Rodent Brain through Block-Face Imaging and Atlas Registration. <i>ENeuro</i> , 2021, 8, ENEURO.0216-21.2021.	0.9	0
31	Impact of short-term aerobic and resistance training on acute post-exercise blood glucose in Type 1 diabetic rodents. <i>FASEB Journal</i> , 2012, 26, 1142.16.	0.2	0