Matthew W Mcdonald

List of Publications by Year
in descending order

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	Advancing Stroke Recovery Through Improved Articulation of Nonpharmacological Intervention Dose. Stroke, 2021, 52, 761-769.	1.0	39
2	An Exercise Mimetic Approach to Reduce Poststroke Deconditioning and Enhance Stroke Recovery. Neurorehabilitation and Neural Repair, 2021, 35, 471-485.	1.4	4
3	Remote Ischemic Conditioning and Stroke Recovery. Neurorehabilitation and Neural Repair, 2021, 35, 545-549.	1.4	14
4	Localizing Microemboli within the Rodent Brain through Block-Face Imaging and Atlas Registration. ENeuro, 2021, 8, ENEURO.0216-21.2021.	0.9	0
5	Neuroprotection by Remote Ischemic Conditioning in Rodent Models of Focal Ischemia: a Systematic Review and Meta-Analysis. Translational Stroke Research, 2021, 12, 461-473.	2.3	21
6	Influence of metabolic syndrome on cerebral perfusion and cognition. Neurobiology of Disease, 2020, 137, 104756.	2.1	22
7	Cognition in Stroke Rehabilitation and Recovery Research: Consensus-Based Core Recommendations From the Second Stroke Recovery and Rehabilitation Roundtable. Neurorehabilitation and Neural Repair, 2019, 33, 943-950.	1.4	8
8	Cognition in stroke rehabilitation and recovery research: Consensus-based core recommendations from the second Stroke Recovery and Rehabilitation Roundtable. International Journal of Stroke, 2019, 14, 774-782.	2.9	52
9	An RFID-based activity tracking system to monitor individual rodent behavior in environmental enrichment: Implications for post-stroke cognitive recovery. Journal of Neuroscience Methods, 2019, 324, 108306.	1.3	8
10	Aerobic exercise training improves insulin-induced vasorelaxation in a vessel-specific manner in rats with insulin-treated experimental diabetes. Diabetes and Vascular Disease Research, 2019, 16, 77-86.	0.9	8
11	Short- and Long-term Exposure to Low and High Dose Running Produce Differential Effects on Hippocampal Neurogenesis. Neuroscience, 2018, 369, 202-211.	1.1	16
12	Effect of Combined Exercise Versus Aerobic-Only Training on Skeletal Muscle Lipid Metabolism in a Rodent Model of Type 1 Diabetes. Canadian Journal of Diabetes, 2018, 42, 404-411.	0.4	10
13	Is Environmental Enrichment Ready for Clinical Application in Human Post-stroke Rehabilitation?. Frontiers in Behavioral Neuroscience, 2018, 12, 135.	1.0	98
14	Exercise Training Induced Cardioprotection with Moderate Hyperglycemia versus Sedentary Intensive Glycemic Control in Type 1 Diabetic Rats. Journal of Diabetes Research, 2018, 2018, 1-10.	1.0	9
15	Post-stroke kinematic analysis in rats reveals similar reaching abnormalities as humans. Scientific Reports, 2018, 8, 8738.	1.6	21
16	Commentaries on Viewpoint: A time for exercise: the exercise window. Journal of Applied Physiology, 2017, 122, 210-213.	1.2	2
17	Aerobic Endurance Training Does Not Protect Bone Against Poorly Controlled Type 1 Diabetes in Young Adult Rats. Calcified Tissue International, 2017, 100, 374-381.	1.5	2
18	A chronic physical activity treatment in obese rats normalizes the contributions of ET-1 and NO to insulin-mediated posterior cerebral artery vasodilation. Journal of Applied Physiology, 2017, 122, 1040-1050.	1.2	22

#	Article	IF	Citations
19	Nanostructured biosensor for detecting glucose in tear by applying fluorescence resonance energy transfer quenching mechanism. Biosensors and Bioelectronics, 2017, 91, 393-399.	5.3	62
20	High Intensity Aerobic Exercise Training Improves Deficits of Cardiovascular Autonomic Function in a Rat Model of Type 1 Diabetes Mellitus with Moderate Hyperglycemia. Journal of Diabetes Research, 2016, 2016, 1-13.	1.0	11
21	Community Interventions to Improve Cooking Skills and Their Effects on Confidence and Eating Behaviour. Current Nutrition Reports, 2016, 5, 315-322.	2.1	93
22	The glucoregulatory response to high-intensity aerobic exercise following training in rats with insulin-treated type 1 diabetes mellitus. Applied Physiology, Nutrition and Metabolism, 2016, 41, 631-639.	0.9	10
23	Metabolomic Response of Skeletal Muscle to Aerobic Exercise Training in Insulin Resistant Type 1 Diabetic Rats. Scientific Reports, 2016, 6, 26379.	1.6	23
24	Exercise training enhances insulin-stimulated nerve arterial vasodilation in rats with insulin-treated experimental diabetes. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 306, R941-R950.	0.9	21
25	The relationship between blood pressure and sciatic nerve blood flow velocity in rats with insulin-treated experimental diabetes. Diabetes and Vascular Disease Research, 2014, 11, 281-289.	0.9	2
26	Morphological assessment of pancreatic islet hormone content following aerobic exercise training in rats with poorly controlled Type 1 diabetes mellitus. Islets, 2014, 6, e29221.	0.9	8
27	Ischemia-reperfusion injury and hypoglycemia risk in insulin-treated T1DM rats following different modalities of regular exercise. Physiological Reports, 2014, 2, e12201.	0.7	11
28	The role of resistance and aerobic exercise training on insulin sensitivity measures in STZ-induced Type 1 diabetic rodents. Metabolism: Clinical and Experimental, 2013, 62, 1485-1494.	1.5	45
29	Flexibility of Older Adults Aged 55â€“86 Years and the Influence of Physical Activity. Journal of Aging Research, 2013, 2013, 1-8.	0.4	73
30	Vessel-specific rate of vasorelaxation is slower in diabetic rats. Diabetes and Vascular Disease Research, 2013, 10, 179-186.	0.9	11
31	Impact of shortâ€term aerobic and resistance training on acute postâ€exercise blood glucose in Type 1 diabetic rodents. FASEB Journal, 2012, 26, 1142.16.	0.2	0