Michael C Riddell

List of Publications by Year in Descending Order

187 papers	6,393 citations	44 h-index	75 g-index
203 ext. papers	7,740 ext. citations	5 avg, IF	6.07 L-index

#	Paper	IF	Citations
187	Strengths and Challenges of Closed-Loop Insulin Delivery During Exercise in People With Type 1 Diabetes: Potential Future Directions.. *Journal of Diabetes Science and Technology*, **2022**, 19322968221088327	4.1	0
186	Advances in Exercise and Nutrition as Therapy in Diabetes.. *Diabetes Technology and Therapeutics*, **2022**, 24, S129-S142	8.1	
185	Metabolic Flexibility during Exercise in Children with Obesity and Matched Controls. *Medicine and Science in Sports and Exercise*, **2021**, 53, 159-164	1.2	2
184	Opportunities and challenges in closed-loop systems in type 1 diabetes. *Lancet Diabetes and Endocrinology,the*, **2021**,	18.1	2
183	A Randomized Crossover Trial Comparing Glucose Control During Moderate-Intensity, High-Intensity, and Resistance Exercise With Hybrid Closed-Loop Insulin Delivery While Profiling Potential Additional Signals in Adults With Type 1 Diabetes. *Diabetes Care*, **2021**,	14.6	5
182	Open-source automated insulin delivery: international consensus statement and practical guidance for health-care professionals. *Lancet Diabetes and Endocrinology,the*, **2021**,	18.1	8
181	Carbohydrate Requirements for Prolonged, Fasted Exercise With and Without Basal Rate Reductions in Adults With Type 1 Diabetes on Continuous Subcutaneous Insulin Infusion. *Diabetes Care*, **2021**, 44, 610-613	14.6	5
180	Separating insulin-mediated and non-insulin-mediated glucose uptake during and after aerobic exercise in type 1 diabetes. *American Journal of Physiology - Endocrinology and Metabolism*, **2021**, 320, E425-E437	6	4
179	Post-exercise recovery for the endurance athlete with type 1 diabetes: a consensus statement. *Lancet Diabetes and Endocrinology,the*, **2021**, 9, 304-317	18.1	8
178	Advances in Exercise and Nutrition as Therapy in Diabetes. *Diabetes Technology and Therapeutics*, **2021**, 23, S131-S142	8.1	1
177	Afternoon aerobic and resistance exercise have limited impact on 24-h CGM outcomes in adults with type 1 diabetes: A secondary analysis. *Diabetes Research and Clinical Practice*, **2021**, 177, 108874	7.4	0
176	More Time in Glucose Range During Exercise Days than Sedentary Days in Adults Living with Type 1 Diabetes. *Diabetes Technology and Therapeutics*, **2021**, 23, 376-383	8.1	5
175	Differences in Physiological Responses to Cardiopulmonary Exercise Testing in Adults With and Without Type 1 Diabetes: A Pooled Analysis. *Diabetes Care*, **2021**, 44, 240-247	14.6	2
174	Assessing Mealtime Macronutrient Content: Patient Perceptions Versus Expert Analyses via a Novel Phone App. *Diabetes Technology and Therapeutics*, **2021**, 23, 85-94	8.1	3
173	Glucose management for exercise using continuous glucose monitoring: should sex and prandial state be additional considerations? Reply to Yardley JE and Sigal RJ [letter]. *Diabetologia*, **2021**, 64, 935-938	10.3	1
172	Genomic and Non-Genomic Actions of Glucocorticoids on Adipose Tissue Lipid Metabolism. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
171	Somatostatin Receptor Antagonism Reverses Glucagon Counterregulatory Failure in Recurrently Hypoglycemic Male Rats. *Endocrinology*, **2021**, 162,	4.8	1

170	Association between metformin and physical activity with glucose control in adults with type 2 diabetes. *Endocrinology, Diabetes and Metabolism*, **2021**, 4, e00206	2.7	1
169	The Development of an Exercise Advisor App for Type 1 Diabetes: Digitization Facilitates More Individualized Guidance. *Journal of Diabetes Science and Technology*, **2020**, 1932296820979811	4.1	2
168	The competitive athlete with type 1 diabetes. *Diabetologia*, **2020**, 63, 1475-1490	10.3	23
167	Glucose Control During Physical Activity and Exercise Using Closed Loop Technology in Adults and Adolescents with Type 1 Diabetes. *Canadian Journal of Diabetes*, **2020**, 44, 740-749	2.1	16
166	Evaluation of Factors Related to Glycemic Management in Professional Cyclists With Type 1 Diabetes Over a 7-Day Stage Race. *Diabetes Care*, **2020**, 43, 1142-1145	14.6	9
165	Advances in Exercise, Physical Activity, and Diabetes. *Diabetes Technology and Therapeutics*, **2020**, 22, S109-S118	8.1	3
164	Type I Diabetes and Exercise. *Contemporary Endocrinology*, **2020**, 459-481	0.3	
163	Accuracy of the Dexcom G6 Glucose Sensor during Aerobic, Resistance, and Interval Exercise in Adults with Type 1 Diabetes. *Biosensors*, **2020**, 10,	5.9	16
162	Acute glycaemic management before, during and after exercise for cardiac rehabilitation participants with diabetes mellitus: a joint statement of the British and Canadian Associations of Cardiovascular Prevention and Rehabilitation, the International Council for Cardiovascular Prevention and Rehabilitation and the British Association of Sport and Exercise Sciences. *British Journal of Sports Medicine*, **2020**	10.3	2
161	Flexible insulin therapy with a hybrid regimen of insulin degludec and continuous subcutaneous insulin infusion with pump suspension before exercise in physically active adults with type 1 diabetes (FIT Untethered): a single-centre, open-label, proof-of-concept, randomised crossover trial. *Lancet Diabetes and Endocrinology,the*, **2020**, 8, 511-523	18.1	8
160	Diabetes Technology and Exercise. *Endocrinology and Metabolism Clinics of North America*, **2020**, 49, 109-125	5.5	6
159	Glucose management for exercise using continuous glucose monitoring (CGM) and intermittently scanned CGM (isCGM) systems in type 1 diabetes: position statement of the European Association for the Study of Diabetes (EASD) and of the International Society for Pediatric and Adolescent Diabetes (ISPAD) endorsed by JDRF and supported by the American Diabetes Association (ADA). *Diabetologia*, **2020**, 63, 2501-2520	10.3	30
158	Glucose management for exercise using continuous glucose monitoring (CGM) and intermittently scanned CGM (isCGM) systems in type 1 diabetes: position statement of the European Association for the Study of Diabetes (EASD) and of the International Society for Pediatric and Adolescent Diabetes (ISPAD) endorsed by JDRF and supported by the American Diabetes Association (ADA). *Diabetes Care*, **2020**, 43, 1364-1379	3.6	21
157	Sex-Related Differences in Blood Glucose Responses to Resistance Exercise in Adults With Type 1 Diabetes: A Secondary Data Analysis. *Canadian Journal of Diabetes*, **2020**, 44, 267-273.e1	2.1	10
156	No Disadvantage to Insulin Pump Off vs Pump On During Intermittent High-Intensity Exercise in Adults With Type 1 Diabetes. *Canadian Journal of Diabetes*, **2020**, 44, 162-168	2.1	10
155	Glycemic responses to strenuous training in male professional cyclists with type 1 diabetes: a prospective observational study. *BMJ Open Diabetes Research and Care*, **2020**, 8,	4.5	7
154	Lag Time Remains with Newer Real-Time Continuous Glucose Monitoring Technology During Aerobic Exercise in Adults Living with Type 1 Diabetes. *Diabetes Technology and Therapeutics*, **2019**, 21, 313-321	8.1	47
153	Carbohydrate Restriction in Type 1 Diabetes: A Realistic Therapy for Improved Glycaemic Control and Athletic Performance?. *Nutrients*, **2019**, 11,	6.7	21

152	Time Lag and Accuracy of Continuous Glucose Monitoring During High Intensity Interval Training in Adults with Type 1 Diabetes. *Diabetes Technology and Therapeutics*, **2019**, 21, 286-294	8.1	15
151	Use of apps for physical activity in type 1 diabetes: current status and requirements for future development. *Therapeutic Advances in Endocrinology and Metabolism*, **2019**, 10, 2042018819839298	4.5	12
150	Improved Open-Loop Glucose Control With Basal Insulin Reduction 90 Minutes Before Aerobic Exercise in Patients With Type 1 Diabetes on Continuous Subcutaneous Insulin Infusion. *Diabetes Care*, **2019**, 42, 824-831	14.6	43
149	Paradoxical Rise in Hypoglycemia Symptoms With Development of Hyperglycemia During High-Intensity Interval Training in Type 1 Diabetes. *Diabetes Care*, **2019**, 42, 2011-2014	14.6	3
148	66-LB: Greater Time Spent in Hypoglycemia during Night Compared with Day during Intensified Training in Professional Cyclists with Type 1 Diabetes A Prospective Observational Study. *Diabetes*, **2019**, 68, 66-LB	0.9	4
147	65-LB: Sweet Performance: Associations of Maximum Physiological Performance and Diabetes in a Group of World Class Road Cyclists with Type 1 Diabetes. *Diabetes*, **2019**, 68, 65-LB	0.9	1
146	Advances in Exercise, Physical Activity, and Diabetes Mellitus. *Diabetes Technology and Therapeutics* , **2019**, 21, S112-S122	8.1	6
145	Hyperglycaemia correlates with skeletal muscle capillary regression and is associated with alterations in the murine double minute-2/forkhead box O1/thrombospondin-1 pathway in type 1 diabetic BioBreeding rats. *Diabetes and Vascular Disease Research*, **2019**, 16, 28-37	3.3	7
144	Optimal Insulin Correction Factor in Post-High-Intensity Exercise Hyperglycemia in Adults With Type 1 Diabetes: The FIT Study. *Diabetes Care*, **2019**, 42, 10-16	14.6	37
143	Reproducibility in the cardiometabolic responses to high-intensity interval exercise in adults with type 1 diabetes. *Diabetes Research and Clinical Practice*, **2019**, 148, 137-143	7.4	15
142	The Accuracy of Continuous Glucose Monitoring and Flash Glucose Monitoring During Aerobic Exercise in Type 1 Diabetes. *Journal of Diabetes Science and Technology*, **2019**, 13, 140-141	4.1	8
141	Individual glucose responses to prolonged moderate intensity aerobic exercise in adolescents with type 1 diabetes: The higher they start, the harder they fall. *Pediatric Diabetes*, **2019**, 20, 99-106	3.6	26
140	Physical Activity and Diabetes. *Canadian Journal of Diabetes*, **2018**, 42 Suppl 1, S54-S63	2.1	69
139	Effect of 7 days of exercise on exogenous carbohydrate oxidation and insulin resistance in children with obesity. *Applied Physiology, Nutrition and Metabolism*, **2018**, 43, 677-683	3	2
138	Advances in Exercise, Physical Activity, and Diabetes Mellitus. *Diabetes Technology and Therapeutics* , **2018**, 20, S104-S113	8.1	2
137	A Pilot Study Validating Select Research-Grade and Consumer-Based Wearables Throughout a Range of Dynamic Exercise Intensities in Persons With and Without Type 1 Diabetes: A Novel Approach. *Journal of Diabetes Science and Technology*, **2018**, 12, 569-576	4.1	15
136	Associations Between Sleep Habits and Dysglycemia in Adults in the United States: A Cross-Sectional Analysis. *Canadian Journal of Diabetes*, **2018**, 42, 150-157	2.1	2
135	Validity and reliability of a novel metabolic flexibility test in children with obesity. *Journal of Applied Physiology*, **2018**, 124, 1062-1070	3.7	4

134	ISPAD Clinical Practice Consensus Guidelines 2018: Exercise in children and adolescents with diabetes. *Pediatric Diabetes*, **2018**, 19 Suppl 27, 205-226	3.6	89
133	Accuracy of Wrist-Worn Activity Monitors During Common Daily Physical Activities and Types of Structured Exercise: Evaluation Study. *JMIR MHealth and UHealth*, **2018**, 6, e10338	5.5	64
132	More Than Self-Management: Positive Youth Development at an Inclusive Type 1 Diabetic Camp. *Journal of Youth Development*, **2018**, 13, 81-99	1.8	2
131	Mini-Dose Glucagon as a Novel Approach to Prevent Exercise-Induced Hypoglycemia in Type 1 Diabetes. *Diabetes Care*, **2018**, 41, 1909-1916	14.6	41
130	Exercise management in type 1 diabetes: a consensus statement. *Lancet Diabetes and Endocrinology,the*, **2017**, 5, 377-390	18.1	391
129	Advances in Exercise, Physical Activity, and Diabetes Mellitus. *Diabetes Technology and Therapeutics* , **2017**, 19, S94-S104	8.1	4
128	Exercise and physical activity in patients with type 1 diabetes - AuthorsSreply. *Lancet Diabetes and Endocrinology,the*, **2017**, 5, 493-494	18.1	3
127	The Effects of Basal Insulin Suspension at the Start of Exercise on Blood Glucose Levels During Continuous Versus Circuit-Based Exercise in Individuals with Type 1 Diabetes on Continuous Subcutaneous Insulin Infusion. *Diabetes Technology and Therapeutics*, **2017**, 19, 370-378	8.1	43
126	The superoxide dismutase mimetic tempol does not alleviate glucocorticoid-mediated rarefaction of rat skeletal muscle capillaries. *Physiological Reports*, **2017**, 5, e13243	2.6	4
125	Aerobic Exercise Training Modalities and Prediabetes Risk Reduction. *Medicine and Science in Sports and Exercise*, **2017**, 49, 403-412	1.2	17
124	Metabolic effects of prazosin on skeletal muscle insulin resistance in glucocorticoid-treated male rats. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2017**, 312, R62-R73	3.2	3
123	The effects of voluntary exercise and prazosin on capillary rarefaction and metabolism in streptozotocin-induced diabetic male rats. *Journal of Applied Physiology*, **2017**, 122, 492-502	3.7	12
122	Physical Activity Contributes to Several Sleep-Cardiometabolic Health Relationships. *Metabolic Syndrome and Related Disorders*, **2017**, 15, 44-51	2.6	3
121	Curcumin limits weight gain, adipose tissue growth, and glucose intolerance following the cessation of exercise and caloric restriction in rats. *Journal of Applied Physiology*, **2017**, 123, 1625-1634	3.7	8
120	Insulin Management Strategies for Exercise in Diabetes. *Canadian Journal of Diabetes*, **2017**, 41, 507-516	2.1	13
119	Transendothelial movement of adiponectin is restricted by glucocorticoids. *Journal of Endocrinology*, **2017**, 234, 101-114	4.7	5
118	Exercise in Children with Type 1 Diabetes **2017**, 77-89		1
117	Effects of acute caffeine supplementation on reducing exercise-associated hypoglycaemia in individuals with Type 1 diabetes mellitus. *Diabetic Medicine*, **2016**, 33, 488-96	3.5	12

116	Community-Based Culturally Preferred Physical Activity Intervention Targeting Populations at High Risk for Type 2 Diabetes: Results and Implications. *Canadian Journal of Diabetes*, **2016**, 40, 561-569	2.1	3
115	Physical Activity/Exercise and Diabetes: A Position Statement of the American Diabetes Association. *Diabetes Care*, **2016**, 39, 2065-2079	14.6	1050
114	Advances in Exercise, Physical Activity, and Diabetes Mellitus. *Diabetes Technology and Therapeutics* , **2016**, 18 Suppl 1, S76-85	8.1	0
113	Prazosin Can Prevent Glucocorticoid Mediated Capillary Rarefaction. *PLoS ONE*, **2016**, 11, e0166899	3.7	7
112	The Metabolic Implications of Glucocorticoids in a High-Fat Diet Setting and the Counter-Effects of Exercise. *Metabolites*, **2016**, 6,	5.6	16
111	Voluntary physical activity abolishes the proliferative tumor growth microenvironment created by adipose tissue in animals fed a high fat diet. *Journal of Applied Physiology*, **2016**, 121, 139-53	3.7	12
110	Glucocorticoid antagonism limits adiposity rebound and glucose intolerance in young male rats following the cessation of daily exercise and caloric restriction. *American Journal of Physiology - Endocrinology and Metabolism*, **2016**, 311, E56-68	6	9
109	Glucagon responses to exercise-induced hypoglycaemia are improved by somatostatin receptor type 2 antagonism in a rat model of diabetes. *Diabetologia*, **2016**, 59, 1724-31	10.3	9
108	No difference in exogenous carbohydrate oxidation during exercise in children with and without impaired glucose tolerance. *Journal of Applied Physiology*, **2016**, 121, 724-9	3.7	4
107	The Enhancement of Muscle Insulin Sensitivity After Exercise: A Rac1-Independent Handoff to Some Other Player?. *Endocrinology*, **2016**, 157, 2999-3001	4.8	7
106	The "ups" and "downs" of a bike race in people with type 1 diabetes: dramatic differences in strategies and blood glucose responses in the Paris-to-Ancaster Spring Classic. *Canadian Journal of Diabetes*, **2015**, 39, 105-10	2.1	18
105	Current perspectives on physical activity and exercise for youth with diabetes. *Pediatric Diabetes*, **2015**, 16, 242-55	3.6	48
104	Voluntary exercise improves metabolic profile in high-fat fed glucocorticoid-treated rats. *Journal of Applied Physiology*, **2015**, 118, 1331-43	3.7	10
103	Lifestyle intervention: nutrition therapy and physical activity. *Medical Clinics of North America*, **2015**, 99, 69-85	7	8
102	Classification of Physical Activity: Information to Artificial Pancreas Control Systems in Real Time. *Journal of Diabetes Science and Technology*, **2015**, 9, 1200-7	4.1	38
101	Exercise and the Development of the Artificial Pancreas: One of the More Difficult Series of Hurdles. *Journal of Diabetes Science and Technology*, **2015**, 9, 1217-26	4.1	65
100	Diabetes, trekking and high altitude: recognizing and preparing for the risks. *Diabetic Medicine*, **2015**, 32, 1425-37	3.5	15
99	The direct and indirect effects of corticosterone and primary adipose tissue on MCF7 breast cancer cell cycle progression. *Hormone Molecular Biology and Clinical Investigation*, **2015**, 22, 91-100	1.3	4

98	Prevention of exercise-associated dysglycemia: a case study-based approach. *Diabetes Spectrum*, **2015**, 28, 55-62	1.9	26
97	Resistance Exercise in Already-Active Diabetic Individuals (READI): study rationale, design and methods for a randomized controlled trial of resistance and aerobic exercise in type 1 diabetes. *Contemporary Clinical Trials*, **2015**, 41, 129-38	2.3	7
96	Performing resistance exercise before versus after aerobic exercise influences growth hormone secretion in type 1 diabetes. *Applied Physiology, Nutrition and Metabolism*, **2014**, 39, 262-5	3	16
95	Physical activity and exercise. *Diabetes Technology and Therapeutics*, **2014**, 16 Suppl 1, S92-9	8.1	1
94	ISPAD Clinical Practice Consensus Guidelines 2014. Exercise in children and adolescents with diabetes. *Pediatric Diabetes*, **2014**, 15 Suppl 20, 203-23	3.6	64
93	All-cause and cardiovascular mortality risk in U.S. adults with and without type 2 diabetes: Influence of physical activity, pharmacological treatment and glycemic control. *Journal of Diabetes and Its Complications*, **2014**, 28, 311-5	3.2	18
92	Amino acid-induced impairment of insulin sensitivity in healthy and obese rats is reversible. *Physiological Reports*, **2014**, 2, e12067	2.6	9
91	Response to 'Letter to the editor' by Dr Rafacho. *Diabetes/Metabolism Research and Reviews*, **2014**, 30, 122-3	7.5	
90	Identifying persons at risk for developing type 2 diabetes in a concentrated population of high risk ethnicities in Canada using a risk assessment questionnaire and point-of-care capillary blood HbA1c measurement. *BMC Public Health*, **2014**, 14, 929	4.1	10
89	Effects of selective and non-selective glucocorticoid receptor II antagonists on rapid-onset diabetes in young rats. *PLoS ONE*, **2014**, 9, e91248	3.7	21
88	The cessation of regular exercise and dieting causes rapid adiposity rebound and glucose intolerance in young male rats, findings that are abolished by the glucocorticoid receptor antagonist Mifepristone (LB759). *FASEB Journal*, **2014**, 28, LB759	0.9	
87	Exercise and type 1 diabetes (T1DM). *Comprehensive Physiology*, **2013**, 3, 1309-36	7.7	81
86	Activité physique et diabète. *Canadian Journal of Diabetes*, **2013**, 37, S403-S408	2.1	1
85	Physical activity and diabetes. *Canadian Journal of Diabetes*, **2013**, 37 Suppl 1, S40-4	2.1	98
84	Caffeine and glucose homeostasis during rest and exercise in diabetes mellitus. *Applied Physiology, Nutrition and Metabolism*, **2013**, 38, 813-22	3	13
83	Resistance exercise in type 1 diabetes. *Canadian Journal of Diabetes*, **2013**, 37, 420-6	2.1	31
82	Le diabète de type 2 chez les enfants et les adolescents. *Canadian Journal of Diabetes*, **2013**, 37, S542-S547	2.1	
81	Insulin pump therapy is associated with less post-exercise hyperglycemia than multiple daily injections: an observational study of physically active type 1 diabetes patients. *Diabetes Technology and Therapeutics*, **2013**, 15, 84-8	8.1	52

80	The Prediabetes Detection and Physical Activity Intervention Delivery (PRE-PAID) program. *Canadian Journal of Diabetes*, **2013**, 37, 415-9	2.1	7
79	Resistance versus aerobic exercise: acute effects on glycemia in type 1 diabetes. *Diabetes Care*, **2013**, 36, 537-42	14.6	133
78	Exogenous glucocorticoids and a high-fat diet cause severe hyperglycemia and hyperinsulinemia and limit islet glucose responsiveness in young male Sprague-Dawley rats. *Endocrinology*, **2013**, 154, 3197-208	4.8	27
77	Advances in exercise, physical activity, and diabetes mellitus. *Diabetes Technology and Therapeutics*, **2013**, 15 Suppl 1, S96-106	8.1	9
76	The joint association of physical activity, blood-pressure control, and pharmacologic treatment of hypertension for all-cause mortality risk. *American Journal of Hypertension*, **2013**, 26, 1005-10	2.3	25
75	The association between frequency of physical activity and mortality risk across the adult age span. *Journal of Aging and Health*, **2013**, 25, 803-14	2.6	14
74	Amelioration of hypoglycemia via somatostatin receptor type 2 antagonism in recurrently hypoglycemic diabetic rats. *Diabetes*, **2013**, 62, 2215-22	0.9	26
73	Somatostatin receptor type 2 antagonism improves glucagon counterregulation in biobreeding diabetic rats. *Diabetes*, **2013**, 62, 2968-77	0.9	36
72	Point accuracy of interstitial continuous glucose monitoring during exercise in type 1 diabetes. *Diabetes Technology and Therapeutics*, **2013**, 15, 46-9	8.1	40
71	Impaired macrophage and satellite cell infiltration occurs in a muscle-specific fashion following injury in diabetic skeletal muscle. *PLoS ONE*, **2013**, 8, e70971	3.7	38
70	Performing Resistance Exercise Prior to Aerobic Exercise Results in Higher Growth Hormone Levels during Exercise in Physically Active Individuals with Well-Controlled Type 1 Diabetes. *FASEB Journal* , **2013**, 27, 712.29	0.9	
69	Effects of glucocorticoids and exercise on pancreatic □cell function and diabetes development. *Diabetes/Metabolism Research and Reviews*, **2012**, 28, 560-73	7.5	50
68	Point Accuracy of Interstitial Continuous Glucose Monitoring During Resistance and Aerobic Exercise in Type 1 Diabetes. *Canadian Journal of Diabetes*, **2012**, 36, S14-S15	2.1	3
67	Advances in exercise, physical activity and diabetes mellitus. *International Journal of Clinical Practice*, **2012**, 66, 62-71	2.9	4
66	A rodent model of rapid-onset diabetes induced by glucocorticoids and high-fat feeding. *DMM Disease Models and Mechanisms*, **2012**, 5, 671-80	4.1	59
65	Consumption of a high-fat diet rapidly exacerbates the development of fatty liver disease that occurs with chronically elevated glucocorticoids. *American Journal of Physiology - Renal Physiology*, **2012**, 302, G850-63	5.1	59
64	Effects of performing resistance exercise before versus after aerobic exercise on glycemia in type 1 diabetes. *Diabetes Care*, **2012**, 35, 669-75	14.6	114
63	Inhibition of proliferation, migration and proteolysis contribute to corticosterone-mediated inhibition of angiogenesis. *PLoS ONE*, **2012**, 7, e46625	3.7	36

62	Prediabetes and type 2 diabetes mellitus: assessing risks for physical activity clearance and prescription. *Canadian Family Physician*, **2012**, 58, 280-4	0.9	4
61	Physical activity in type 1 diabetes mellitus: assessing risks for physical activity clearance and prescription. *Canadian Family Physician*, **2012**, 58, 533-5	0.9	14
60	The Impact of Type 1 Diabetes on the Physiological Responses to Exercise **2012**, 29-45		
59	Preventing exercise-induced hypoglycemia in type 1 diabetes using real-time continuous glucose monitoring and a new carbohydrate intake algorithm: an observational field study. *Diabetes Technology and Therapeutics*, **2011**, 13, 819-25	8.1	91
58	Effects of type 1 diabetes mellitus on skeletal muscle: clinical observations and physiological mechanisms. *Pediatric Diabetes*, **2011**, 12, 345-64	3.6	93
57	The effects of glucocorticoids on adipose tissue lipid metabolism. *Metabolism: Clinical and Experimental*, **2011**, 60, 1500-10	12.7	320
56	Relation of physical activity to cardiovascular disease mortality and the influence of cardiometabolic risk factors. *American Journal of Cardiology*, **2011**, 108, 1426-31	3	52
55	Inhibition of plasminogen activator inhibitor-1 restores skeletal muscle regeneration in untreated type 1 diabetic mice. *Diabetes*, **2011**, 60, 1964-72	0.9	45
54	Carbohydrate intake reduces fat oxidation during exercise in obese boys. *European Journal of Applied Physiology*, **2011**, 111, 3135-41	3.4	11
53	Voluntary physical activity and leucine correct impairments in muscle protein synthesis in partially pancreatectomised rats. *Diabetologia*, **2011**, 54, 3111-20	10.3	2
52	Evidence-based risk assessment and recommendations for physical activity clearance: diabetes mellitus and related comorbidities. *Applied Physiology, Nutrition and Metabolism*, **2011**, 36 Suppl 1, S154-89	3	37
51	Clinical management of the physically active patient with type 1 diabetes. *Physician and Sportsmedicine*, **2011**, 39, 64-77	2.4	39
50	Adipogenic and lipolytic effects of chronic glucocorticoid exposure. *American Journal of Physiology - Cell Physiology*, **2011**, 300, C198-209	5.4	158
49	High glucocorticoids, in combination with high-fat feeding, induces insulin resistance and hyperglycaemia: Mechanisms related to beta cell dysfunction?. *FASEB Journal*, **2011**, 25, 1072.2	0.9	
48	Blood glucose levels and performance in a sports cAMP for adolescents with type 1 diabetes mellitus: a field study. *International Journal of Pediatrics (United Kingdom)*, **2010**, 2010,	2.1	28
47	Exercise maintains euglycemia in association with decreased activation of c-Jun NH2-terminal kinase and serine phosphorylation of IRS-1 in the liver of ZDF rats. *American Journal of Physiology - Endocrinology and Metabolism*, **2010**, 298, E671-82	6	29
46	Regular exercise prevents the development of hyperglucocorticoidemia via adaptations in the brain and adrenal glands in male Zucker diabetic fatty rats. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2010**, 299, R168-76	3.2	42
45	The role of physical activity in type 2 diabetes prevention: physiological and practical perspectives. *Physician and Sportsmedicine*, **2010**, 38, 72-82	2.4	45

44	Exercise and the stress axis: Implications for the development of type 2 diabetes mellitus. *Canadian Journal of Diabetes*, **2010**, 34, 200-202	2.1	
43	Pre-Diabetes Detection and Intervention for High Risk Communities. *Journal of Physical Activity and Health*, **2010**, 7, S327-S340	2.5	
42	Impaired growth and force production in skeletal muscles of young partially pancreatectomized rats: a model of adolescent type 1 diabetic myopathy?. *PLoS ONE*, **2010**, 5, e14032	3.7	18
41	Exercise and glucose metabolism in persons with diabetes mellitus: perspectives on the role for continuous glucose monitoring. *Journal of Diabetes Science and Technology*, **2009**, 3, 914-23	4.1	81
40	Voluntary wheel running initially increases adrenal sensitivity to adrenocorticotrophic hormone, which is attenuated with long-term training. *Journal of Applied Physiology*, **2009**, 106, 66-72	3.7	44
39	Diabetic myopathy differs between Ins2Akita+/- and streptozotocin-induced Type 1 diabetic models. *Journal of Applied Physiology*, **2009**, 106, 1650-9	3.7	50
38	Exercise in children and adolescents with diabetes. *Pediatric Diabetes*, **2009**, 10 Suppl 12, 154-68	3.6	80
37	Endurance exercise training increases adipose tissue glucocorticoid exposure: adaptations that facilitate lipolysis. *Metabolism: Clinical and Experimental*, **2009**, 58, 651-60	12.7	35
36	Exercise training maintains normal HPA feedback and prevents hypercortisolemia in the ZDF rat. *FASEB Journal*, **2009**, 23, LB120	0.9	
35	Partial Pancreatectomized Diabetic Rats Present with Altered Skeletal Muscle Contractility and Phenotype. *FASEB Journal*, **2009**, 23, 600.19	0.9	
34	Exercise in children and adolescents with diabetes. *Pediatric Diabetes*, **2008**, 9, 65-77	3.6	30
33	High Rates of Nocturnal Hypoglycemia in a Unique Sports Camp for Athletes with Type 1 Diabetes: Lessons Learned from Continuous Glucose Monitoring Systems. *Canadian Journal of Diabetes*, **2008**, 32, 182-189	2.1	23
32	Swim training prevents hyperglycemia in ZDF rats: mechanisms involved in the partial maintenance of beta-cell function. *American Journal of Physiology - Endocrinology and Metabolism*, **2008**, 294, E271-83	6	46
31	Adaptation to intermittent stress promotes maintenance of beta-cell compensation: comparison with food restriction. *American Journal of Physiology - Endocrinology and Metabolism*, **2008**, 295, E947-58	6	12
30	The endocrine response and substrate utilization during exercise in children and adolescents. *Journal of Applied Physiology*, **2008**, 105, 725-33	3.7	67
29	Consensus report of the coalition for clinical research-self-monitoring of blood glucose. *Journal of Diabetes Science and Technology*, **2008**, 2, 1030-53	4.1	61
28	Fat oxidation rate and the exercise intensity that elicits maximal fat oxidation decreases with pubertal status in young male subjects. *Journal of Applied Physiology*, **2008**, 105, 742-8	3.7	56
27	Characterizing Diabetic Myopathy: Muscle Contractility and Phenotype of Akita and STZ Diabetic Murine Models. *FASEB Journal*, **2008**, 22, 961.4	0.9	

26	Glucocorticoids: Lipolytic or Lipogenic?. *FASEB Journal*, **2008**, 22, 1034.6	0.9	
25	Does a failure to normalize diurnal glucocorticoids negate the benefits of exercise training?. *FASEB Journal*, **2008**, 22, 117-117	0.9	2
24	Influence of age and pubertal status on substrate utilization during exercise with and without carbohydrate intake in healthy boys. *Applied Physiology, Nutrition and Metabolism*, **2007**, 32, 416-25	3	45
23	People With Type 2 Diabetes Can Have Healthy Muscle if Physically Active. *Canadian Journal of Diabetes*, **2007**, 31, 354	2.1	
22	Attenuation of type 2 diabetes mellitus in the male Zucker diabetic fatty rat: the effects of stress and non-volitional exercise. *Metabolism: Clinical and Experimental*, **2007**, 56, 732-44	12.7	56
21	Recurrent intermittent restraint delays fed and fasting hyperglycemia and improves glucose return to baseline levels during glucose tolerance tests in the Zucker diabetic fatty rat--role of food intake and corticosterone. *Metabolism: Clinical and Experimental*, **2007**, 56, 1065-75	12.7	20
20	Circulating adiponectin and adiponectin receptor expression in skeletal muscle: effects of exercise. *Diabetes/Metabolism Research and Reviews*, **2007**, 23, 600-11	7.5	43
19	Streptozotocin induces G2 arrest in skeletal muscle myoblasts and impairs muscle growth in vivo. *American Journal of Physiology - Cell Physiology*, **2007**, 292, C1033-40	5.4	34
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