

# Rory J Mccrimmon

## List of Publications by Citations

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159  
papers

7,925  
citations

44  
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175  
ext. papers

9,849  
ext. citations

7.3  
avg, IF

6.02  
L-index

#	Paper	IF	Citations
159	Dulaglutide and cardiovascular outcomes in type 2 diabetes (REWIND): a double-blind, randomised placebo-controlled trial. <i>Lancet, The</i> , <b>2019</b> , 394, 121-130	40	917
158	Diabetes and cognitive dysfunction. <i>Lancet, The</i> , <b>2012</b> , 379, 2291-9	40	557
157	Exercise management in type 1 diabetes: a consensus statement. <i>Lancet Diabetes and Endocrinology, the</i> , <b>2017</b> , 5, 377-390	18.1	391
156	Estimated life expectancy in a Scottish cohort with type 1 diabetes, 2008-2010. <i>JAMA - Journal of the American Medical Association</i> , <b>2015</b> , 313, 37-44	27.4	326
155	Synaptic glutamate release by ventromedial hypothalamic neurons is part of the neurocircuitry that prevents hypoglycemia. <i>Cell Metabolism</i> , <b>2007</b> , 5, 383-93	24.6	286
154	Hippocampal memory processes are modulated by insulin and high-fat-induced insulin resistance. <i>Neurobiology of Learning and Memory</i> , <b>2010</b> , 93, 546-53	3.1	272
153	Cognitive ability and brain structure in type 1 diabetes: relation to microangiopathy and preceding severe hypoglycemia. <i>Diabetes</i> , <b>2003</b> , 52, 149-56	0.9	232
152	Frequency of thyroid dysfunction in diabetic patients: value of annual screening. <i>Diabetic Medicine</i> , <b>1995</b> , 12, 622-7	3.5	231
151	Influence of an early-onset age of type 1 diabetes on cerebral structure and cognitive function. <i>Diabetes Care</i> , <b>2005</b> , 28, 1431-7	14.6	177
150	Efficacy and safety of dapagliflozin in patients with inadequately controlled type 1 diabetes (DEPICT-1): 24 week results from a multicentre, double-blind, phase 3, randomised controlled trial. <i>Lancet Diabetes and Endocrinology, the</i> , <b>2017</b> , 5, 864-876	18.1	174
149	Serotonin 2C receptor agonists improve type 2 diabetes via melanocortin-4 receptor signaling pathways. <i>Cell Metabolism</i> , <b>2007</b> , 6, 398-405	24.6	170
148	Susceptibility of Nrf2-null mice to steatohepatitis and cirrhosis upon consumption of a high-fat diet is associated with oxidative stress, perturbation of the unfolded protein response, and disturbance in the expression of metabolic enzymes but not with insulin resistance. <i>Molecular and Cellular Biology</i> , <b>2014</b> , 34, 3305-20	4.8	141
147	Key role for AMP-activated protein kinase in the ventromedial hypothalamus in regulating counterregulatory hormone responses to acute hypoglycemia. <i>Diabetes</i> , <b>2008</b> , 57, 444-50	0.9	132
146	Hypoglycemia in type 1 diabetes. <i>Diabetes</i> , <b>2010</b> , 59, 2333-9	0.9	129
145	Potential role for AMP-activated protein kinase in hypoglycemia sensing in the ventromedial hypothalamus. <i>Diabetes</i> , <b>2004</b> , 53, 1953-8	0.9	129
144	Hypothalamic ATP-sensitive K + channels play a key role in sensing hypoglycemia and triggering counterregulatory epinephrine and glucagon responses. <i>Diabetes</i> , <b>2004</b> , 53, 2542-51	0.9	129
143	Hypoglycaemia, cardiovascular disease, and mortality in diabetes: epidemiology, pathogenesis, and management. <i>Lancet Diabetes and Endocrinology, the</i> , <b>2019</b> , 7, 385-396	18.1	127

142	Risks of and risk factors for COVID-19 disease in people with diabetes: a cohort study of the total population of Scotland. <i>Lancet Diabetes and Endocrinology,the</i> , <b>2021</b> , 9, 82-93	18.1	112
141	Efficacy and Safety of Dapagliflozin in Patients With Inadequately Controlled Type 1 Diabetes: The DEPICT-1 52-Week Study. <i>Diabetes Care</i> , <b>2018</b> , 41, 2552-2559	14.6	109
140	Experimental Nonalcoholic Steatohepatitis and Liver Fibrosis Are Ameliorated by Pharmacologic Activation of Nrf2 (NF-E2 p45-Related Factor 2). <i>Cellular and Molecular Gastroenterology and Hepatology</i> , <b>2018</b> , 5, 367-398	7.9	101
139	Activation of ATP-sensitive K <sup>+</sup> channels in the ventromedial hypothalamus amplifies counterregulatory hormone responses to hypoglycemia in normal and recurrently hypoglycemic rats. <i>Diabetes</i> , <b>2005</b> , 54, 3169-74	0.9	93
138	Medium-chain fatty acids improve cognitive function in intensively treated type 1 diabetic patients and support in vitro synaptic transmission during acute hypoglycemia. <i>Diabetes</i> , <b>2009</b> , 58, 1237-44	0.9	92
137	Activation of AMP-activated protein kinase within the ventromedial hypothalamus amplifies counterregulatory hormone responses in rats with defective counterregulation. <i>Diabetes</i> , <b>2006</b> , 55, 1755-60	0.9	92
136	Blockade of GABA(A) receptors in the ventromedial hypothalamus further stimulates glucagon and sympathoadrenal but not the hypothalamo-pituitary-adrenal response to hypoglycemia. <i>Diabetes</i> , <b>2006</b> , 55, 1080-7	0.9	90
135	Perceived symptoms of hypoglycaemia in elderly type 2 diabetic patients treated with insulin. <i>Diabetic Medicine</i> , <b>1998</b> , 15, 398-401	3.5	89
134	Cognitive and neural hippocampal effects of long-term moderate recurrent hypoglycemia. <i>Diabetes</i> , <b>2006</b> , 55, 1088-95	0.9	85
133	Visual information processing during controlled hypoglycaemia in humans. <i>Brain</i> , <b>1996</b> , 119 ( Pt 4), 1277-87	1.2	83
132	Efficacy and safety of once-weekly semaglutide versus daily canagliflozin as add-on to metformin in patients with type 2 diabetes (SUSTAIN 8): a double-blind, phase 3b, randomised controlled trial. <i>Lancet Diabetes and Endocrinology,the</i> , <b>2019</b> , 7, 834-844	18.1	81
131	Increased GABAergic tone in the ventromedial hypothalamus contributes to suppression of counterregulatory responses after antecedent hypoglycemia. <i>Diabetes</i> , <b>2008</b> , 57, 1363-70	0.9	78
130	Corticotrophin-releasing factor receptors within the ventromedial hypothalamus regulate hypoglycemia-induced hormonal counterregulation. <i>Journal of Clinical Investigation</i> , <b>2006</b> , 116, 1723-30	15.9	72
129	Ventromedial hypothalamic nitric oxide production is necessary for hypoglycemia detection and counterregulation. <i>Diabetes</i> , <b>2010</b> , 59, 519-28	0.9	71
128	Influence of insulin in the ventromedial hypothalamus on pancreatic glucagon secretion in vivo. <i>Diabetes</i> , <b>2010</b> , 59, 1521-7	0.9	70
127	Update in the CNS response to hypoglycemia. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2012</b> , 97, 1-8	5.6	69
126	Chronic Activation of AMPK Induces Obesity and Reduces Cell Function. <i>Cell Metabolism</i> , <b>2016</b> , 23, 821-36	24.6	66
125	Effect of acute hypoglycemia on visual information processing in adults with type 1 diabetes mellitus. <i>Physiology and Behavior</i> , <b>1998</b> , 64, 653-60	3.5	62

124	Renal and Cardiovascular Effects of SGLT2 Inhibition in Combination With Loop Diuretics in Patients With Type 2 Diabetes and Chronic Heart Failure: The RECEDE-CHF Trial. <i>Circulation</i> , <b>2020</b> , 142, 1713-1724	16.7	62
123	Trends in type 2 diabetes incidence and mortality in Scotland between 2004 and 2013. <i>Diabetologia</i> , <b>2016</b> , 59, 2106-13	10.3	58
122	Glucose concentrations of less than 3.0 mmol/l (54 mg/dl) should be reported in clinical trials: a joint position statement of the American Diabetes Association and the European Association for the Study of Diabetes. <i>Diabetologia</i> , <b>2017</b> , 60, 3-6	10.3	56
121	SGLT inhibitor adjunct therapy in type 1 diabetes. <i>Diabetologia</i> , <b>2018</b> , 61, 2126-2133	10.3	56
120	Cardiovascular Disease, Cancer, and Mortality Among People With Type 2 Diabetes and Alcoholic or Nonalcoholic Fatty Liver Disease Hospital Admission. <i>Diabetes Care</i> , <b>2018</b> , 41, 341-347	14.6	56
119	A randomized controlled trial of dapagliflozin on left ventricular hypertrophy in people with type two diabetes: the DAPA-LVH trial. <i>European Heart Journal</i> , <b>2020</b> , 41, 3421-3432	9.5	55
118	The medial amygdalar nucleus: a novel glucose-sensing region that modulates the counterregulatory response to hypoglycemia. <i>Diabetes</i> , <b>2010</b> , 59, 2646-52	0.9	50
117	Symptoms of hypoglycemia in children with IDDM. <i>Diabetes Care</i> , <b>1995</b> , 18, 858-61	14.6	50
116	The mechanisms that underlie glucose sensing during hypoglycaemia in diabetes. <i>Diabetic Medicine</i> , <b>2008</b> , 25, 513-22	3.5	49
115	Risk of acute kidney injury and survival in patients treated with Metformin: an observational cohort study. <i>BMC Nephrology</i> , <b>2017</b> , 18, 163	2.7	43
114	Hypoglycaemia, the most feared complication of insulin therapy. <i>Diabète &amp; Métabolisme</i> , <b>1994</b> , 20, 503-12		42
113	Mouse hypothalamic GT1-7 cells demonstrate AMPK-dependent intrinsic glucose-sensing behaviour. <i>Diabetologia</i> , <b>2012</b> , 55, 2432-44	10.3	41
112	The physiology and pathophysiology of the neural control of the counterregulatory response. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2012</b> , 302, R215-23	3.2	41
111	Effect of Hypoglycemia on Inflammatory Responses and the Response to Low-Dose Endotoxemia in Humans. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2019</b> , 104, 1187-1199	5.6	38
110	Appraisal of mood and personality during hypoglycaemia in human subjects. <i>Physiology and Behavior</i> , <b>1999</b> , 67, 27-33	3.5	38
109	AICAR and phlorizin reverse the hypoglycemia-specific defect in glucagon secretion in the diabetic BB rat. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2002</b> , 283, E1076-83	6	37
108	Probability of Achieving Glycemic Control with Basal Insulin in Patients with Type 2 Diabetes in Real-World Practice in the USA. <i>Diabetes Therapy</i> , <b>2018</b> , 9, 1347-1358	3.6	36
107	Potential role of non-insulin adjunct therapy in Type 1 diabetes. <i>Diabetic Medicine</i> , <b>2013</b> , 30, 179-88	3.5	36

106	Hypothalamic AMP-activated protein kinase activation with AICAR amplifies counterregulatory responses to hypoglycemia in a rodent model of type 1 diabetes. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2009</b> , 296, R1702-8	3.2	33
105	Effects of acute hypoglycaemia on auditory information processing in adults with Type I diabetes. <i>Diabetologia</i> , <b>2003</b> , 46, 97-105	10.3	32
104	Renal and Cardiovascular Effects of sodium-glucose cotransporter 2 (SGLT2) inhibition in combination with loop Diuretics in diabetic patients with Chronic Heart Failure (RECEDE-CHF): protocol for a randomised controlled double-blind cross-over trial. <i>BMJ Open</i> , <b>2017</b> , 7, e018097	3	31
103	Antecedent hypercortisolemia is not primarily responsible for generating hypoglycemia-associated autonomic failure. <i>Diabetes</i> , <b>2006</b> , 55, 1121-6	0.9	31
102	Type 2 diabetes, socioeconomic status and life expectancy in Scotland (2012-2014): a population-based observational study. <i>Diabetologia</i> , <b>2018</b> , 61, 108-116	10.3	29
101	Auditory information processing during acute insulin-induced hypoglycaemia in non-diabetic human subjects. <i>Neuropsychologia</i> , <b>1997</b> , 35, 1547-53	3.2	29
100	Patterns of weight change after the diagnosis of type 2 diabetes in Scotland and their relationship with glycaemic control, mortality and cardiovascular outcomes: a retrospective cohort study. <i>BMJ Open</i> , <b>2016</b> , 6, e010836	3	29
99	Amputation-free survival in 17,353 people at high risk for foot ulceration in diabetes: a national observational study. <i>Diabetologia</i> , <b>2018</b> , 61, 2590-2597	10.3	29
98	Type 1 corticotropin-releasing factor receptors in the ventromedial hypothalamus promote hypoglycemia-induced hormonal counterregulation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2007</b> , 293, E705-12	6	26
97	Cardiovascular disease prevalence and risk factor prevalence in Type 2 diabetes: a contemporary analysis. <i>Diabetic Medicine</i> , <b>2019</b> , 36, 718-725	3.5	26
96	Glycaemic control trends in people with type 1 diabetes in Scotland 2004-2016. <i>Diabetologia</i> , <b>2019</b> , 62, 1375-1384	10.3	25
95	Nrf2-Mediated Neuroprotection Against Recurrent Hypoglycemia Is Insufficient to Prevent Cognitive Impairment in a Rodent Model of Type 1 Diabetes. <i>Diabetes</i> , <b>2016</b> , 65, 3151-60	0.9	24
94	Long-term, intermittent, insulin-induced hypoglycemia produces marked obesity without hyperphagia or insulin resistance: a model for weight gain with intensive insulin therapy. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2013</b> , 304, E131-8	6	23
93	Visual information processing and intelligence. <i>Intelligence</i> , <b>1997</b> , 24, 461-479	3	23
92	Anger state during acute insulin-induced hypoglycaemia. <i>Physiology and Behavior</i> , <b>1999</b> , 67, 35-9	3.5	23
91	5AMP-activated protein kinase alpha deficiency enhances stress-induced apoptosis in BHK and PC12 cells. <i>Journal of Cellular and Molecular Medicine</i> , <b>2007</b> , 11, 286-98	5.6	22
90	The effect of dapagliflozin on glycaemic control and other cardiovascular disease risk factors in type 2 diabetes mellitus: a real-world observational study. <i>Diabetologia</i> , <b>2019</b> , 62, 621-632	10.3	21
89	Bace1-dependent amyloid processing regulates hypothalamic leptin sensitivity in obese mice. <i>Scientific Reports</i> , <b>2018</b> , 8, 55	4.9	20

88	Hypothalamic Fkbp51 is induced by fasting, and elevated hypothalamic expression promotes obese phenotypes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2012</b> , 302, E987-91	6	19
87	Symptomatic and physiological responses to hypoglycaemia induced by human soluble insulin and the analogue Lispro human insulin. <i>Diabetic Medicine</i> , <b>1997</b> , 14, 929-36	3.5	19
86	Hypoglycaemic symptoms reported by children with type 1 diabetes mellitus and by their parents. <i>Diabetic Medicine</i> , <b>1998</b> , 15, 836-43	3.5	19
85	Ethnicity and risk of cardiovascular disease (CVD): 4.8 year follow-up of patients with type 2 diabetes living in Scotland. <i>Diabetologia</i> , <b>2015</b> , 58, 716-25	10.3	18
84	Does dapagliflozin regress left ventricular hypertrophy in patients with type 2 diabetes? A prospective, double-blind, randomised, placebo-controlled study. <i>BMC Cardiovascular Disorders</i> , <b>2017</b> , 17, 229	2.3	18
83	AMP-activated protein kinase (AMPK) activator A-769662 increases intracellular calcium and ATP release from astrocytes in an AMPK-independent manner. <i>Diabetes, Obesity and Metabolism</i> , <b>2017</b> , 19, 997-1005	6.7	16
82	High-Intensity Exercise as a Dishabituating Stimulus Restores Counterregulatory Responses in Recurrently Hypoglycemic Rodents. <i>Diabetes</i> , <b>2017</b> , 66, 1696-1702	0.9	16
81	AMPK modulates glucose-sensing in insulin-secreting cells by altered phosphotransfer to KATP channels. <i>Journal of Bioenergetics and Biomembranes</i> , <b>2013</b> , 45, 229-41	3.7	16
80	Radix astragali (huangqi) as a treatment for defective hypoglycemia counterregulation in diabetes. <i>The American Journal of Chinese Medicine</i> , <b>2010</b> , 38, 1027-38	6	16
79	Dominantly inherited syndrome comprising partially absent eye muscles, hydrocephaly, skeletal abnormalities, and a distinctive facial phenotype. <i>American Journal of Medical Genetics Part A</i> , <b>1991</b> , 40, 417-20		16
78	Impaired hypoglycaemia awareness in type 1 diabetes: lessons from the lab. <i>Diabetologia</i> , <b>2018</b> , 61, 743-750		15
77	Implementation of Basal-Bolus Therapy in Type 2 Diabetes: A Randomized Controlled Trial Comparing Bolus Insulin Delivery Using an Insulin Patch with an Insulin Pen. <i>Diabetes Technology and Therapeutics</i> , <b>2019</b> , 21, 273-285	8.1	14
76	Diazoxide improves hormonal counterregulatory responses to acute hypoglycemia in long-standing type 1 diabetes. <i>Diabetes</i> , <b>2015</b> , 64, 2234-41	0.9	13
75	Amplified hormonal counterregulatory responses to hypoglycemia in rats after systemic delivery of a SUR-1-selective K(+) channel opener?. <i>Diabetes</i> , <b>2008</b> , 57, 3327-34	0.9	13
74	Symptoms reported during experimental hypoglycaemia: effect of method of induction of hypoglycaemia and of diabetes per se. <i>Diabetic Medicine</i> , <b>2003</b> , 20, 507-9	3.5	13
73	The Scylla and Charybdis of glucose control in childhood type 1 diabetes?. <i>Pediatric Diabetes</i> , <b>2015</b> , 16, 235-41	3.6	12
72	Inhibition of NFAT Signaling Restores Microvascular Endothelial Function in Diabetic Mice. <i>Diabetes</i> , <b>2020</b> , 69, 424-435	0.9	12
71	Reducing the burden of hypoglycaemia in people with diabetes through increased understanding: design of the Hypoglycaemia REdefining SOLUTIONS for better liVEs (Hypo-RESOLVE) project. <i>Diabetic Medicine</i> , <b>2020</b> , 37, 1066-1073	3.5	12



70	Effects of recurrent antecedent hypoglycaemia and chronic hyperglycaemia on brainstem extra-cellular glucose concentrations during acute hypoglycaemia in conscious diabetic BB rats. <i>Diabetologia</i> , <b>2003</b> , 46, 1658-61	10.3	12
69	Glycaemic benefit of iGlarLixi in insulin-naive type 2 diabetes patients with high HbA1c or those with inadequate glycaemic control on two oral antihyperglycaemic drugs in the LixiLan-O randomized trial. <i>Diabetes, Obesity and Metabolism</i> , <b>2019</b> , 21, 1967-1972	6.7	11
68	Incident ischaemic stroke and Type 2 diabetes: trends in incidence and case fatality in Scotland 2004-2013. <i>Diabetic Medicine</i> , <b>2018</b> , 35, 99-106	3.5	11
67	Effects of once-weekly semaglutide vs once-daily canagliflozin on body composition in type 2 diabetes: a substudy of the SUSTAIN 8 randomised controlled clinical trial. <i>Diabetologia</i> , <b>2020</b> , 63, 473-485	10.3	11
66	Testing the accelerator hypothesis: a new approach to type 1 diabetes prevention (adAPT 1). <i>Diabetes, Obesity and Metabolism</i> , <b>2016</b> , 18, 3-5	6.7	11
65	A randomised controlled study of high intensity exercise as a dishabituating stimulus to improve hypoglycaemia awareness in people with type 1 diabetes: a proof-of-concept study. <i>Diabetologia</i> , <b>2020</b> , 63, 853-863	10.3	10
64	Oleate induces K channel-dependent hyperpolarization in mouse hypothalamic glucose-excited neurons without altering cellular energy charge. <i>Neuroscience</i> , <b>2017</b> , 346, 29-42	3.9	9
63	Marked improvements in glycaemic outcomes following insulin pump therapy initiation in people with type 1 diabetes: a nationwide observational study in Scotland. <i>Diabetologia</i> , <b>2021</b> , 64, 1320-1331	10.3	9
62	Loss of CRMP2 O-GlcNAcylation leads to reduced novel object recognition performance in mice. <i>Open Biology</i> , <b>2019</b> , 9, 190192	7	9
61	Consequences of recurrent hypoglycaemia on brain function in diabetes. <i>Diabetologia</i> , <b>2021</b> , 64, 971-977	10.3	8
60	Impaired Awareness of Hypoglycaemia		8
59	Microvascular disease and heart failure with reduced and preserved ejection fraction in type 2 diabetes. <i>ESC Heart Failure</i> , <b>2020</b> , 7, 1168-1177	3.7	7
58	RD Lawrence Lecture 2015 Old habits are hard to break: lessons from the study of hypoglycaemia. <i>Diabetic Medicine</i> , <b>2017</b> , 34, 148-155	3.5	7
57	Real-time Continuous Glucose Monitoring During a Hyperinsulinemic-Hypoglycemic Clamp Significantly Underestimates the Degree of Hypoglycemia. <i>Diabetes Care</i> , <b>2020</b> , 43, e142-e143	14.6	7
56	Saxagliptin co-therapy in C-peptide negative Type 1 diabetes does not improve counter-regulatory responses to hypoglycaemia. <i>Diabetic Medicine</i> , <b>2016</b> , 33, 1283-90	3.5	7
55	CD44 contributes to hyaluronan-mediated insulin resistance in skeletal muscle of high-fat-fed C57BL/6 mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2019</b> , 317, E973-E983	6	6
54	An Estimate of Lifetime Cognitive Change and Its Relationship with Diabetes Health in Older Adults with Type 1 Diabetes: Preliminary Results. <i>Behavioural Neurology</i> , <b>2010</b> , 23, 165-167	3	6
53	Foot Ulcer and Risk of Lower Limb Amputation or Death in People With Diabetes: A National Population-Based Retrospective Cohort Study. <i>Diabetes Care</i> , <b>2021</b> ,	14.6	6

52	Socio-economic status and mortality in people with type 1 diabetes in Scotland 2006-2015: a retrospective cohort study. <i>Diabetic Medicine</i> , <b>2020</b> , 37, 2081-2088	3.5	6
51	Glycemic Control Following GLP-1 RA or Basal Insulin Initiation in Real-World Practice: A Retrospective, Observational, Longitudinal Cohort Study. <i>Diabetes Therapy</i> , <b>2020</b> , 11, 2629-2645	3.6	6
50	Loss of O-GlcNAcase catalytic activity leads to defects in mouse embryogenesis. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100439	5.4	6
49	Investigating the Relationship Between Type 2 Diabetes and Dementia Using Electronic Medical Records in the GoDARTS Bioresource. <i>Diabetes Care</i> , <b>2019</b> , 42, 1973-1980	14.6	5
48	Prescribing Paradigm Shift? Applying the 2019 European Society of Cardiology-Led Guidelines on Diabetes, Prediabetes, and Cardiovascular Disease to Assess Eligibility for Sodium-Glucose Cotransporter 2 Inhibitors or Glucagon-Like Peptide 1 Receptor Agonists as First-Line Monotherapy (or Add-on to Metformin Monotherapy) in Type 2 Diabetes in Scotland. <i>Diabetes Care</i> , <b>2020</b> , 43, 2034-2041	14.6	5
47	Effect of pancreatic transplantation on counterregulatory hormonal responses to hypoglycaemia. <i>Acta Diabetologica</i> , <b>1999</b> , 36, 11-20	3.9	5
46	Time trends in deaths before age 50 years in people with type 1 diabetes: a nationwide analysis from Scotland 2004-2017. <i>Diabetologia</i> , <b>2020</b> , 63, 1626-1636	10.3	4
45	3. Cerebral Adaptation to Recurrent Hypoglycemia. <i>Translational Endocrinology &amp; Metabolism</i> , <b>2012</b> , 89-114		4
44	Advancing therapy with iGlarLixi versus premix BIAsp 30 in basal insulin-treated type 2 diabetes: Design and baseline characteristics of the SoliMix randomized controlled trial. <i>Diabetes, Obesity and Metabolism</i> , <b>2021</b> , 23, 1221-1231	6.7	4
43	Rising Rates and Widening Socioeconomic Disparities in Diabetic Ketoacidosis in Type 1 Diabetes in Scotland: A Nationwide Retrospective Cohort Observational Study. <i>Diabetes Care</i> , <b>2021</b> , 44, 2010-2017	14.6	4
42	In-vivo correlations between skin metabolic oscillations and vasomotion in wild-type mice and in a model of oxidative stress. <i>Scientific Reports</i> , <b>2019</b> , 9, 186	4.9	4
41	The suitability of patient-reported outcome measures used to assess the impact of hypoglycaemia on quality of life in people with diabetes: a systematic review using COSMIN methods. <i>Diabetologia</i> , <b>2021</b> , 64, 1213-1225	10.3	4
40	Adipocyte integrin-linked kinase plays a key role in the development of diet-induced adipose insulin resistance in male mice. <i>Molecular Metabolism</i> , <b>2021</b> , 49, 101197	8.8	4
39	Clinical approaches to treat impaired awareness of hypoglycaemia. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , <b>2021</b> , 12, 20420188211000248	4.5	4
38	Continuous hypothalamic K(ATP) activation blunts glucose counter-regulation in vivo in rats and suppresses K(ATP) conductance in vitro. <i>Diabetologia</i> , <b>2013</b> , 56, 2088-92	10.3	3
37	Advancing Therapy in Suboptimally Controlled Basal Insulin-Treated Type 2 Diabetes: Clinical Outcomes With iGlarLixi Versus Premix BIAsp 30 in the SoliMix Randomized Controlled Trial. <i>Diabetes Care</i> , <b>2021</b> ,	14.6	3
36	Chronic exposure to K channel openers results in attenuated glucose sensing in hypothalamic GT1-7 neurons. <i>Neuropharmacology</i> , <b>2016</b> , 111, 212-222	5.5	3
35	Dapagliflozin Improves Left Ventricular Myocardial Longitudinal Function in Patients With Type 2 Diabetes. <i>JACC: Cardiovascular Imaging</i> , <b>2021</b> , 14, 503-504	8.4	3



34	Heterogeneity in phenotype, disease progression and drug response in type 2 diabetes.. <i>Nature Medicine</i> , <b>2022</b> , 28, 982-988	50.5	3
33	Experimental Models of Impaired Hypoglycaemia-Associated Counter-Regulation. <i>Trends in Endocrinology and Metabolism</i> , <b>2020</b> , 31, 691-703	8.8	2
32	113-OR: ADA PresidentsTSelect Abstract: Dishabituation with High Intensity Exercise Improves Epinephrine Response and Symptomatic Awareness to Hypoglycemia in People with Type 1 Diabetes and Impaired Awareness of Hypoglycemia. <i>Diabetes</i> , <b>2019</b> , 68, 113-OR	0.9	2
31	Flash monitor initiation is associated with improvements in HbA levels and DKA rates among people with type 1 diabetes in Scotland: a retrospective nationwide observational study. <i>Diabetologia</i> , <b>2022</b> , 65, 159-172	10.3	2
30	Psychological Effects of Hypoglycaemia323-333		2
29	Cold-induced dishabituation in rodents exposed to recurrent hypoglycaemia. <i>Diabetologia</i> , <b>2021</b> , 64, 1436-1441	10.3	2
28	Hypoglycaemia in Type 2 Diabetes and in Elderly People230-262		2
27	Symptoms of Hypoglycaemia and Effects on Mental Performance and Emotions23-45		2
26	Long-Term Effects of Hypoglycaemia on Cognitive Function in Diabetes <b>2013</b> , 285-304		1
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