David A D'alessio

List of Publications by Year
in descending order

106 papers	7,741 citations	71102 41 h-index	53230 85 g-index
110 all docs	110 docs citations	110 times ranked	8499 citing authors

#	Article	IF	Citations
1	Management of hyperglycaemia in type 2 diabetes, 2018. A consensus report by the American Diabetes Association (ADA) and the European Association for the Study of Diabetes (EASD). Diabetologia, 2018, 61, 2461-2498.	6.3	1,002
2	LY3298176, a novel dual GIP and GLP-1 receptor agonist for the treatment of type 2 diabetes mellitus: From discovery to clinical proof of concept. Molecular Metabolism, 2018, 18, 3-14.	6.5	400
3	2019 update to: Management of hyperglycaemia in type 2 diabetes, 2018. A consensus report by the American Diabetes Association (ADA) and the European Association for the Study of Diabetes (EASD). Diabetologia, 2020, 63, 221-228.	6.3	368
4	Physiology of Proglucagon Peptides: Role of Glucagon and GLP-1 in Health and Disease. Physiological Reviews, 2015, 95, 513-548.	28.8	340
5	Gastric Bypass Surgery Enhances Glucagon-Like Peptide 1â€“Stimulated Postprandial Insulin Secretion in Humans. Diabetes, 2011, 60, 2308-2314.	0.6	294
6	Neuronal GLP1R mediates liraglutideâ€™s anorectic but not glucose-lowering effect. Journal of Clinical Investigation, 2014, 124, 2456-2463.	8.2	293
7	Weight-Independent Changes in Blood Glucose Homeostasis After Gastric Bypass or Vertical Sleeve Gastrectomy in Rats. Gastroenterology, 2011, 141, 950-958.	1.3	264
8	Cooperation between brain and islet in glucose homeostasis and diabetes. Nature, 2013, 503, 59-66.	27.8	261
9	Blockade of Glucagon-like Peptide 1 Receptor Corrects Postprandial Hypoglycemia After Gastric Bypass. Gastroenterology, 2014, 146, 669-680.e2.	1.3	229
10	Effects of Gastric Bypass and Gastric Banding on Glucose Kinetics and Gut Hormone Release. Obesity, 2008, 16, 298-305.	3.0	194
11	CNS Glucagon-Like Peptide-1 Receptors Mediate Endocrine and Anxiety Responses to Interoceptive and Psychogenic Stressors. Journal of Neuroscience, 2003, 23, 6163-6170.	3.6	193
12	The Role of Pancreatic Preproglucagon in Glucose Homeostasis in Mice. Cell Metabolism, 2017, 25, 927-934.e3.	16.2	178
13	Î² Cell tone is defined by proglucagon peptides through cAMP signaling. JCI Insight, 2019, 4, .	5.0	167
14	Inhibition of Central Amylin Signaling Increases Food Intake and Body Adiposity in Rats. Endocrinology, 2001, 142, 5035-5038.	2.8	152
15	Regulation of gastric emptying rate and its role in nutrient-induced GLP-1 secretion in rats after vertical sleeve gastrectomy. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E424-E432.	3.5	143
16	The Role of Î² Cell Glucagon-like Peptide-1 Signaling in Glucose Regulation and Response to Diabetes Drugs. Cell Metabolism, 2014, 19, 1050-1057.	16.2	139
17	Hyperphagia and Increased Fat Accumulation in Two Models of Chronic CNS Glucagon-Like Peptide-1 Loss of Function. Journal of Neuroscience, 2011, 31, 3904-3913.	3.6	135
18	Diet-Induced Obese Mice Retain Endogenous Leptin Action. Cell Metabolism, 2015, 21, 877-882.	16.2	111

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19	Exenatide Protects Against Glucose- and Lipid-Induced Endothelial Dysfunction: Evidence for Direct Vasodilation Effect of GLP-1 Receptor Agonists in Humans. Diabetes, 2015, 64, 2624-2635.	0.6	108
20	Duodenal-Jejunal Exclusion Improves Glucose Tolerance in the Diabetic, Goto-Kakizaki Rat by a GLP-1 Receptor-Mediated Mechanism. Journal of Gastrointestinal Surgery, 2009, 13, 1762-1772.	1.7	107
21	Altered Islet Function and Insulin Clearance Cause Hyperinsulinemia in Gastric Bypass Patients With Symptoms of Postprandial Hypoglycemia. Journal of Clinical Endocrinology and Metabolism, 2014, 99, 2008-2017.	3.6	107
22	Glucagon lowers glycemia when Î² cells are active. JCI Insight, 2019, 4, .	5.0	97
23	Psyllium fiber improves glycemic control proportional to loss of glycemic control: a meta-analysis of data in euglycemic subjects, patients at risk of type 2 diabetes mellitus, and patients being treated for type 2 diabetes mellitus. American Journal of Clinical Nutrition, 2015, 102, 1604-1614.	4.7	92
24	One-week glucose control via zero-order release kinetics from an injectable depot of glucagon-like peptide-1 fused to a thermosensitive biopolymer. Nature Biomedical Engineering, 2017, 1, .	22.5	87
25	The Role of Central Glucagon-Like Peptide-1 in Mediating the Effects of Visceral Illness: Differential Effects in Rats and Mice. Endocrinology, 2005, 146, 458-462.	2.8	83
26	Treatment with the Dipeptidyl Peptidase-4 Inhibitor Vildagliptin Improves Fasting Islet-Cell Function in Subjects with Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2009, 94, 81-88.	3.6	83
27	Mouse handling limits the impact of stress on metabolic endpoints. Physiology and Behavior, 2015, 150, 31-37.	2.1	79
28	Vitamin D status of black and white Americans and changes in vitamin D metabolites after varied doses of vitamin D supplementation. American Journal of Clinical Nutrition, 2016, 104, 205-214.	4.7	78
29	Activation of the Parasympathetic Nervous System Is Necessary for Normal Meal-Induced Insulin Secretion in Rhesus Macaques1. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 1253-1259.	3.6	76
30	Fasting and postprandial concentrations of GLP-1 in intestinal lymph and portal plasma: evidence for selective release of GLP-1 in the lymph system. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 293, R2163-R2169.	1.8	76
31	Î²-Cell Function, Insulin Sensitivity, and Glucose Tolerance in Obese Diabetic and Nondiabetic Adolescents and Young Adults. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 185-191.	3.6	74
32	Is <scp>GLP</scp>â€1 a hormone: Whether and When?. Journal of Diabetes Investigation, 2016, 7, 50-55.	2.4	74
33	Distribution of glucagon-like peptide-1 immunoreactivity in the hypothalamic paraventricular and supraoptic nuclei. Journal of Chemical Neuroanatomy, 2008, 36, 144-149.	2.1	68
34	Effect of vertical sleeve gastrectomy on food selection and satiation in rats. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E1076-E1084.	3.5	68
35	GIP mediates the incretin effect and glucose tolerance by dual actions on Î± cells and Î² cells. Science Advances, 2021, 7, .	10.3	66
36	Glucagon-like peptide 1: evolution of an incretin into a treatment for diabetes. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E882-E890.	3.5	65

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37	Similar effects of roux-en-Y gastric bypass and vertical sleeve gastrectomy on glucose regulation in rats. Physiology and Behavior, 2011, 105, 120-123.	2.1	63
38	Inhibition of Central Amylin Signaling Increases Food Intake and Body Adiposity in Rats. Endocrinology, 2001, 142, 5035-5035.	2.8	56
39	The Effects of Bariatric Surgery on Islet Function, Insulin Secretion, and Glucose Control. Endocrine Reviews, 2019, 40, 1394-1423.	20.1	55
40	Disruption of Glucagon-Like Peptide 1 Signaling inSim1Neurons Reduces Physiological and Behavioral Reactivity to Acute and Chronic Stress. Journal of Neuroscience, 2017, 37, 184-193.	3.6	53
41	Metformin Use May Moderate the Effect of DPP-4 Inhibitors on Cardiovascular Outcomes. Diabetes Care, 2017, 40, 1787-1789.	8.6	44
42	Acute Administration of Unacylated Ghrelin Has No Effect on Basal or Stimulated Insulin Secretion in Healthy Humans. Diabetes, 2014, 63, 2309-2319.	0.6	42
43	Insulin Sensitivity and Î²-Cell Function Improve after Gastric Bypass in Severely Obese Adolescents. Journal of Pediatrics, 2015, 167, 1042-1048.e1.	1.8	41
44	New ways in which GLP-1 can regulate glucose homeostasis. Journal of Clinical Investigation, 2005, 115, 3406-3408.	8.2	39
45	Intestinal Hormones and Regulation of Satiety: The Case for CCK, GLPâ€1, PYY, and Apo Aâ€IV. Journal of Parenteral and Enteral Nutrition, 2008, 32, 567-568.	2.6	38
46	Pharmacological antagonism of the incretin system protects against diet-induced obesity. Molecular Metabolism, 2020, 32, 44-55.	6.5	37
47	Î²-Cell Sensitivity to GLP-1 in Healthy Humans Is Variable and Proportional to Insulin Sensitivity. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 2489-2496.	3.6	35
48	Ghrelin Impairs Prandial Glucose Tolerance and Insulin Secretion in Healthy Humans Despite Increasing GLP-1. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 2405-2414.	3.6	35
49	Vitamin D Supplementation in Patients With Type 2 Diabetes: The Vitamin D for Established Type 2 Diabetes (DDM2) Study. Journal of the Endocrine Society, 2018, 2, 310-321.	0.2	33
50	Gastric bypass alters both glucoseâ€dependent and glucoseâ€independent regulation of islet hormone secretion. Obesity, 2015, 23, 2046-2052.	3.0	32
51	Effects of glucagon like peptide-1 to mediate glycemic effects of weight loss surgery. Reviews in Endocrine and Metabolic Disorders, 2014, 15, 171-179.	5.7	31
52	Central Nervous System GLP-1 Receptors Regulate Islet Hormone Secretion and Glucose Homeostasis in Male Rats. Endocrinology, 2017, 158, 2124-2133.	2.8	30
53	Enhanced Glucose Control Following Vertical Sleeve Gastrectomy Does Not Require a Î²-Cell Glucagon-Like Peptide 1 Receptor. Diabetes, 2018, 67, 1504-1511.	0.6	30
54	Sleeve gastrectomy rapidly enhances islet function independently of body weight. JCI Insight, 2019, 4, .	5.0	29

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55	Insulin Detemir Is Transported From Blood to Cerebrospinal Fluid and Has Prolonged Central Anorectic Action Relative to NPH Insulin. Diabetes, 2015, 64, 2457-2466.	0.6	27
56	Bariatric Surgery: A Potential Treatment for Type 2 Diabetes in Youth. Diabetes Care, 2016, 39, 934-940.	8.6	27
57	Brain control of blood glucose levels: implications for the pathogenesis of type 2 diabetes. Diabetologia, 2021, 64, 5-14.	6.3	26
58	Rapid Deterioration of Insulin Secretion in Obese Adolescents Preceding the Onset of Type 2 Diabetes. Journal of Pediatrics, 2015, 166, 672-678.	1.8	25
59	Interaction of GLP-1 and Ghrelin on Glucose Tolerance in Healthy Humans. Diabetes, 2018, 67, 1976-1985.	0.6	25
60	Discordance between GLP-1R gene and protein expression in mouse pancreatic islet cells. Journal of Biological Chemistry, 2020, 295, 11529-11541.	3.4	25
61	Efficacy and Safety of the Glucagon Receptor Antagonist RVT-1502 in Type 2 Diabetes Uncontrolled on Metformin Monotherapy: A 12-Week Dose-Ranging Study. Diabetes Care, 2020, 43, 161-168.	8.6	24
62	Fasting and Postprandial Concentrations of Somatostatin-28 and Somatostatin-14 in Type II Diabetes in Men. Diabetes, 1990, 39, 1198-1202.	0.6	23
63	Gut peptides in the treatment of diabetes mellitus. Expert Opinion on Investigational Drugs, 2004, 13, 177-188.	4.1	23
64	What if Gut Hormones Aren't Really Hormones: DPP-4 Inhibition and Local Action of GLP-1 in the Gastrointestinal Tract. Endocrinology, 2011, 152, 2925-2926.	2.8	23
65	Effect of vitamin D supplementation on cardiovascular risk in type 2 diabetes. Clinical Nutrition, 2019, 38, 2449-2453.	5.0	23
66	Acute administration of acyl, but not desacyl ghrelin, decreases blood pressure in healthy humans. European Journal of Endocrinology, 2017, 176, 123-132.	3.7	21
67	Novel cancer therapies and their association with diabetes. Journal of Molecular Endocrinology, 2019, 62, R187-R199.	2.5	20
68	GIPR Is Predominantly Localized to Nonadipocyte Cell Types Within White Adipose Tissue. Diabetes, 2022, 71, 1115-1127.	0.6	20
69	GLP-1R Agonism Enhances Adjustable Gastric Banding in Diet-Induced Obese Rats. Diabetes, 2013, 62, 3261-3267.	0.6	19
70	Betaâ€cell sensitivity to glucose is impaired after gastric bypass surgery. Diabetes, Obesity and Metabolism, 2018, 20, 872-878.	4.4	19
71	Thrittene, Homologous with Somatostatin-28(1â€“13), Is a Novel Peptide in Mammalian Gut and Circulation. Endocrinology, 2002, 143, 2599-2609.	2.8	18
72	The incretin effect in obese adolescents with and without type 2 diabetes: impaired or intact?. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E774-E781.	3.5	18

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73	Baseline factors associated with glycaemic response to treatment with onceâ€weekly dulaglutide in patients with type 2 diabetes. Diabetes, Obesity and Metabolism, 2016, 18, 1138-1142.	4.4	17
74	Deletion of the glucagon receptor gene before and after experimental diabetes reveals differential protection from hyperglycemia. Molecular Metabolism, 2018, 17, 28-38.	6.5	17
75	Evidence from a single individual that increased plasma GLP-1 and GLP-1-stimulated insulin secretion after gastric bypass are independent of foregut exclusion. Diabetologia, 2014, 57, 1495-1499.	6.3	16
76	Beta-cell sensitivity to insulinotropic gut hormones is reduced after gastric bypass surgery. Gut, 2019, 68, 1838-1845.	12.1	16
77	Improved Glycemic Control Enhances the Incretin Effect in Patients With Type 2 Diabetes. Journal of Clinical Endocrinology and Metabolism, 2013, 98, 4702-4708.	3.6	13
78	Glucagon receptor as a drug target: <scp>A</scp> witches' brew of eye of newt (peptides) and toe of frog (receptors). Diabetes, Obesity and Metabolism, 2018, 20, 233-237.	4.4	11
79	Î²-Cell Function Over Time in Adolescents With New Type 2 Diabetes and Obese Adolescents Without Diabetes. Journal of Adolescent Health, 2017, 61, 703-708.	2.5	10
80	Can We RISE to the Challenge of Youth-Onset Type 2 Diabetes?. Diabetes Care, 2018, 41, 1560-1562.	8.6	10
81	Temporal plasticity of insulin and incretin secretion and insulin sensitivity following sleeve gastrectomy contribute to sustained improvements in glucose control. Molecular Metabolism, 2019, 28, 144-150.	6.5	10
82	Disruption of Glucagon-Like Peptide 1 Signaling in Sim1 Neurons Reduces Physiological and Behavioral Reactivity to Acute and Chronic Stress. Journal of Neuroscience, 2017, 37, 184-193.	3.6	10
83	Taking Aim at Islet Hormones With GLP-1: Is Insulin or Glucagon the Better Target?. Diabetes, 2010, 59, 1572-1574.	0.6	9
84	Thrittene, Homologous with Somatostatin-28(1-13), Is a Novel Peptide in Mammalian Gut and Circulation. Endocrinology, 2002, 143, 2599-2609.	2.8	9
85	GLP-1 Receptor Blockade Reduces Stimulated Insulin Secretion in Fasted Subjects With Low Circulating GLP-1. Journal of Clinical Endocrinology and Metabolism, 2022, 107, 2500-2510.	3.6	9
86	The Effect of Duodenalâ€"Jejunal Bypass on Glucose-Dependent Insulinotropic Polypeptide Secretion in Wistar Rats. Obesity Surgery, 2010, 20, 768-775.	2.1	8
87	Meal feeding improves oral glucose tolerance in male rats and causes adaptations in postprandial islet hormone secretion that are independent of plasma incretins or glycemia. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E784-E792.	3.5	8
88	Role of vagal activation in postprandial glucose metabolism after gastric bypass in individuals with and without hypoglycaemia. Diabetes, Obesity and Metabolism, 2019, 21, 1513-1517.	4.4	8
89	A Lesson From 2020: Public Health Matters for Both COVID-19 and Diabetes. Diabetes Care, 2021, 44, 8-10.	8.6	8
90	Diabetes Care: â€œTaking It to the Limit One More Timeâ€. Diabetes Care, 2017, 40, 3-6.	8.6	7

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91	Effects of GLP-1 and GIP on Islet Function in Glucose-Intolerant, Pancreatic-Insufficient Cystic Fibrosis. Diabetes, 2022, 71, 2153-2165.	0.6	7
92	Utilizing the GLP-1 signaling system to treat diabetes: Sorting through the pharmacologic approaches. Current Diabetes Reports, 2005, 5, 346-352.	4.2	6
93	The Contribution of Enteroinsular Hormones to the Pathogenesis of Type 2 Diabetes Mellitus. Current Diabetes Reports, 2010, 10, 192-198.	4.2	4
94	Big Topics forDiabetes Carein 2018: Clinical Guidelines, Costs of Diabetes, and Information Technology. Diabetes Care, 2018, 41, 1327-1329.	8.6	4
95	Slow and steady wins the race: 25 years developing the GLP-1 receptor as an effective target for weight loss. Journal of Clinical Endocrinology and Metabolism, 2022, , .	3.6	4
96	Utility of Continuous Glucose Monitoring vs Meal Study in Detecting Hypoglycemia After Gastric Bypass. Journal of Clinical Endocrinology and Metabolism, 2022, 107, e2095-e2102.	3.6	3
97	An Innate Disposition for a Healthier Gut: GLP-1R Signaling in Intestinal Epithelial Lymphocytes. Diabetes, 2015, 64, 2329-2331.	0.6	2
98	Bariatric/metabolic surgery for diabetes: Incorporating a powerful treatment into standard care. Obesity, 2016, 24, 1205-1206.	3.0	2
99	Preliminary evidence of effects of potassium chloride on a metabolomic path to diabetes and cardiovascular disease. Metabolomics, 2020, 16, 75.	3.0	2
100	Thermic effect of food and resting energy expenditure after sleeve gastrectomy for weight loss in adolescent females. Surgery for Obesity and Related Diseases, 2020, 16, 599-606.	1.2	2
101	Diabetes Care: â€œLagniappeâ€•and â€œSeeing Is Believingâ€¦. Diabetes Care, 2016, 39, 1069-1071.	8.6	1
102	Surgical Treatment of Diabetes: Making a Case for a Pragmatic Approach. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 2536-2538.	3.6	0
103	Interpreting Normetanephrines-the Significance of Clinical Context. Journal of the Endocrine Society, 2021, 5, A138-A138.	0.2	0
104	SAT-167 Intra-Islet Ghrelin Signaling Does Not Regulate Insulin Secretion from Adult Mice. Journal of the Endocrine Society, 2019, 3, .	0.2	0
105	SUN-LB124 Novel Elisa Assays Demonstrate Specificity of Islet and Intestinal Processing of Proglucagon. Journal of the Endocrine Society, 2020, 4, .	0.2	0
106	SAT-414 A Single Center Retrospective Analysis and Review of Endocrinopathies from Immune Checkpoint Inhibitors Between 2007 and 2017. Journal of the Endocrine Society, 2020, 4, .	0.2	0