Denis Richard

List of Publications by Year
in descending order

70 papers	6,900 citations	94269 37 h-index	88477 70 g-index
70 all docs	70 docs citations	70 times ranked	8542 citing authors

#	Article	IF	Citations
1	Consistent gut bacterial and short-chain fatty acid signatures in hypoabsorptive bariatric surgeries correlate with metabolic benefits in rats. International Journal of Obesity, 2022, 46, 297-306.	1.6	7
2	Pharmacological chaperone action in humanized mouse models of MC4R-linked obesity. JCI Insight, 2021, 6, .	2.3	5
3	IGFBP-2 partly mediates the early metabolic improvements caused by bariatric surgery. Cell Reports Medicine, 2021, 2, 100248.	3.3	18
4	Cholecalciferol Supplementation Does Not Prevent the Development of Metabolic Syndrome or Enhance the Beneficial Effects of Omega-3 Fatty Acids in Obese Mice. Journal of Nutrition, 2021, 151, 1175-1189.	1.3	5
5	Salmon peptides limit obesityâ€associated metabolic disorders by modulating a gutâ€liver axis in vitamin Dâ€deficient mice. Obesity, 2021, 29, 1635-1649.	1.5	8
6	Human Brown Adipocyte Thermogenesis Is Driven by Î²2-AR Stimulation. Cell Metabolism, 2020, 32, 287-300.e7.	7.2	185
7	Association between changes in bioactive osteocalcin and glucose homeostasis after biliopancreatic diversion. Endocrine, 2020, 69, 526-535.	1.1	4
8	Alterations of Gut Microbiota After Biliopancreatic Diversion with Duodenal Switch in Wistar Rats. Obesity Surgery, 2019, 29, 2831-2842.	1.1	14
9	UCP1 expressionâ€“associated gene signatures of human epicardial adipose tissue. JCI Insight, 2019, 4, .	2.3	26
10	Loss of OcaB Prevents Age-Induced Fat Accretion and Insulin Resistance by Altering B-Lymphocyte Transition and Promoting Energy Expenditure. Diabetes, 2018, 67, 1285-1296.	0.3	25
11	Brown and beige adipose tissues: phenotype and metabolic potential in mice and men. Journal of Applied Physiology, 2018, 124, 482-496.	1.2	36
12	DEPTOR at the Nexus of Cancer, Metabolism, and Immunity. Physiological Reviews, 2018, 98, 1765-1803.	13.1	64
13	Interscapular brown adipose tissue denervation does not promote the oxidative activity of inguinal white adipose tissue in male mice. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E815-E824.	1.8	17
14	Brown Adipose Tissue Energy Metabolism in Humans. Frontiers in Endocrinology, 2018, 9, 447.	1.5	223
15	Dietary fatty acid metabolism of brown adipose tissue in cold-acclimated men. Nature Communications, 2017, 8, 14146.	5.8	119
16	Inhibition of Intracellular Triglyceride Lipolysis Suppresses Cold-Induced Brown Adipose Tissue Metabolism and Increases Shivering in Humans. Cell Metabolism, 2017, 25, 438-447.	7.2	157
17	Loss of UCP2 impairs cold-induced non-shivering thermogenesis by promoting a shift toward glucose utilization in brown adipose tissue. Biochimie, 2017, 134, 118-126.	1.3	34
18	Loss of hepatic DEPTOR alters the metabolic transition to fasting. Molecular Metabolism, 2017, 6, 447-458.	3.0	32

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19	Fourâ€week cold acclimation in adult humans shifts uncoupling thermogenesis from skeletal muscles to brown adipose tissue. Journal of Physiology, 2017, 595, 2099-2113.	1.3	95
20	Functional characterization of the Ucp1-associated oxidative phenotype of human epicardial adipose tissue. Scientific Reports, 2017, 7, 15566.	1.6	48
21	Neuronal systems and circuits involved in the control of food intake and adaptive thermogenesis. Annals of the New York Academy of Sciences, 2017, 1391, 35-53.	1.8	53
22	Emerging Signaling Pathway in Arcuate Feeding-Related Neurons: Role of the Acbd7. Frontiers in Neuroscience, 2017, 11, 328.	1.4	18
23	Effects of Bariatric Surgery on Energy Homeostasis. Canadian Journal of Diabetes, 2017, 41, 426-431.	0.4	11
24	Mediobasal hypothalamic overexpression of DEPTOR protects against high-fat diet-induced obesity. Molecular Metabolism, 2016, 5, 102-112.	3.0	33
25	Association between nesfatin-1 levels and metabolic improvements in severely obese patients who underwent biliopancreatic derivation with duodenal switch. Peptides, 2016, 86, 6-12.	1.2	16
26	Piceatannol and resveratrol share inhibitory effects on hydrogen peroxide release, monoamine oxidase and lipogenic activities in adipose tissue, but differ in their antilipolytic properties. Chemico-Biological Interactions, 2016, 258, 115-125.	1.7	32
27	mTORC1 is Required for Brown Adipose Tissue Recruitment and Metabolic Adaptation to Cold. Scientific Reports, 2016, 6, 37223.	1.6	64
28	Metabolic activity of brown, â€œbeige,â€•and white adipose tissues in response to chronic adrenergic stimulation in male mice. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E260-E268.	1.8	92
29	Anatomical distribution of primary amine oxidase activity in four adipose depots and plasma of severely obese women with or without a dysmetabolic profile. Journal of Physiology and Biochemistry, 2016, 73, 475-486.	1.3	12
30	DEPTOR in POMC neurons affects liver metabolism but is dispensable for the regulation of energy balance. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R1322-R1331.	0.9	13
31	Deficiency of Interleukin-15 Confers Resistance to Obesity by Diminishing Inflammation and Enhancing the Thermogenic Function of Adipose Tissues. PLoS ONE, 2016, 11, e0162995.	1.1	36
32	Involvement of the Acyl-CoA binding domain containing 7 in the control of food intake and energy expenditure in mice. ELife, 2016, 5, .	2.8	25
33	Altered intestinal functions and increased local inflammation in insulin-resistant obese subjects: a gene-expression profile analysis. BMC Gastroenterology, 2015, 15, 119.	0.8	24
34	Hypothalamic control of brown adipose tissue thermogenesis. Frontiers in Systems Neuroscience, 2015, 9, 150.	1.2	80
35	Selective Impairment of Glucose but Not Fatty Acid or Oxidative Metabolism in Brown Adipose Tissue of Subjects With Type 2 Diabetes. Diabetes, 2015, 64, 2388-2397.	0.3	178
36	In vivo measurement of energy substrate contribution to coldâ€induced brown adipose tissue thermogenesis. FASEB Journal, 2015, 29, 2046-2058.	0.2	183

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37	A critical appraisal of brown adipose tissue metabolism in humans. Clinical Lipidology, 2015, 10, 259-280.	0.4	20
38	The Roles of mTOR Complexes in Lipid Metabolism. Annual Review of Nutrition, 2015, 35, 321-348.	4.3	245
39	Cognitive and autonomic determinants of energy homeostasis in obesity. Nature Reviews Endocrinology, 2015, 11, 489-501.	4.3	86
40	Malabsorption plays a major role in the effects of the biliopancreatic diversion with duodenal switch on energy metabolism in rats. Surgery for Obesity and Related Diseases, 2015, 11, 356-366.	1.0	20
41	Metabolic Changes Induced by the Biliopancreatic Diversion in Diet-Induced Obesity in Male Rats: The Contributions of Sleeve Gastrectomy and Duodenal Switch. Endocrinology, 2015, 156, 1316-1329.	1.4	31
42	Contributions of white and brown adipose tissues and skeletal muscles to acute coldâ€induced metabolic responses in healthy men. Journal of Physiology, 2015, 593, 701-714.	1.3	195
43	DEP domainâ€containing mTORâ€interacting protein in the rat brain: Distribution of expression and potential implication. Journal of Comparative Neurology, 2015, 523, 93-107.	0.9	15
44	The medial preoptic nucleus as a site of the thermogenic and metabolic actions of melanotan II in male rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R158-R166.	0.9	25
45	The PVH as a Site of CB1-Mediated Stimulation of Thermogenesis by MC4R Agonism in Male Rats. Endocrinology, 2014, 155, 3448-3458.	1.4	21
46	Intestinal Lipid Handling. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 644-653.	1.1	62
47	Increased Brown Adipose Tissue Oxidative Capacity in Cold-Acclimated Humans. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E438-E446.	1.8	251
48	Biliopancreatic diversion with duodenal switch improves insulin sensitivity and secretion through caloric restriction. Obesity, 2014, 22, 1838-1846.	1.5	48
49	Brown fat like gene expression in the epicardial fat depot correlates with circulating HDL-cholesterol and triglycerides in patients with coronary artery disease. International Journal of Cardiology, 2013, 167, 2264-2270.	0.8	58
50	Understanding the brown adipocyte as a contributor to energy homeostasis. Trends in Endocrinology and Metabolism, 2013, 24, 408-420.	3.1	85
51	Role of leptin resistance in the development of obesity in older patients. Clinical Interventions in Aging, 2013, 8, 829.	1.3	77
52	Brown adipose tissue oxidative metabolism contributes to energy expenditure during acute cold exposure in humans. Journal of Clinical Investigation, 2012, 122, 545-552.	3.9	815
53	Validation of Reference Genes for the Relative Quantification of Gene Expression in Human Epicardial Adipose Tissue. PLoS ONE, 2012, 7, e32265.	1.1	47
54	Control and Physiological Determinants of Sympathetically Mediated Brown Adipose Tissue Thermogenesis. Frontiers in Endocrinology, 2012, 3, 36.	1.5	41

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55	Brown fat biology and thermogenesis. Frontiers in Bioscience - Landmark, 2011, 16, 1233.	3.0	190
56	Outdoor Temperature, Age, Sex, Body Mass Index, and Diabetic Status Determine the Prevalence, Mass, and Glucose-Uptake Activity of 18F-FDG-Detected BAT in Humans. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 192-199.	1.8	473
57	Lesions of area postrema and subfornical organ alter exendin-4-induced brain activation without preventing the hypophagic effect of the GLP-1 receptor agonist. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R1098-R1110.	0.9	34
58	Effects of intracerebroventricular and intra-accumbens melanin-concentrating hormone agonism on food intake and energy expenditure. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R469-R475.	0.9	51
59	The brain endocannabinoid system in the regulation of energy balance. Best Practice and Research in Clinical Endocrinology and Metabolism, 2009, 23, 17-32.	2.2	45
60	A Central Thermogenic-like Mechanism in Feeding Regulation: An Interplay between Arcuate Nucleus T3 and UCP2. Cell Metabolism, 2007, 5, 21-33.	7.2	264
61	Induction of Ucp2 expression in brain phagocytes and neurons following murine toxoplasmosis: An essential role of IFN-Î³ and an association with negative energy balance. Journal of Neuroimmunology, 2007, 186, 121-132.	1.1	17
62	Effects of Rimonabant (SR141716) on Fasting-Induced Hypothalamic-Pituitary-Adrenal Axis and Neuronal Activation in Lean and Obese Zucker Rats. Diabetes, 2006, 55, 3403-3410.	0.3	65
63	Peroxisome Proliferator-Activated Receptor Î³ Agonism Increases the Capacity for Sympathetically Mediated Thermogenesis in Lean andob/obMice. Endocrinology, 2004, 145, 3925-3934.	1.4	115
64	The brown adipocyte: update on its metabolic role. International Journal of Biochemistry and Cell Biology, 2004, 36, 2098-2104.	1.2	140
65	Kainic acid upregulates uncoupling protein-2 mRNA expression in the mouse brain. NeuroReport, 2003, 14, 2015-2017.	0.6	16
66	The corticotropin-releasing factor family of peptides and CRF receptors: their roles in the regulation of energy balance. European Journal of Pharmacology, 2002, 440, 189-197.	1.7	185
67	Disruption of the uncoupling protein-2 gene in mice reveals a role in immunity and reactive oxygen species production. Nature Genetics, 2000, 26, 435-439.	9.4	992
68	Distribution of the uncoupling protein 2 mRNA in the mouse brain. Journal of Comparative Neurology, 1998, 397, 549-560.	0.9	106
69	Leptin and Corticosterone Have Opposite Effects on Food Intake and the Expression of UCP1 mRNA in Brown Adipose Tissue oflepob/lepobMice. Endocrinology, 1998, 139, 4000-4003.	1.4	49
70	Energy balance and facultative diet-induced thermogenesis in mice fed a high-fat diet. Canadian Journal of Physiology and Pharmacology, 1988, 66, 1297-1302.	0.7	24