

Francisco-Javier Bermudez-Silva

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77
papers

3,324
citations

33
h-index

56
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88
ext. papers

3,666
ext. citations

5.3
avg, IF

4.61
L-index

#	Paper	IF	Citations
77	The endocannabinoid system: physiology and pharmacology. <i>Alcohol and Alcoholism</i> , 2005 , 40, 2-14	3.5	229
76	Cannabinoid receptors regulate Ca(2+) signals and insulin secretion in pancreatic beta-cell. <i>Cell Calcium</i> , 2006 , 39, 155-62	4	220
75	Presence of functional cannabinoid receptors in human endocrine pancreas. <i>Diabetologia</i> , 2008 , 51, 476-87	8.3	153
74	Genetic impairment of frontocortical endocannabinoid degradation and high alcohol preference. <i>Neuropsychopharmacology</i> , 2007 , 32, 117-26	8.7	129
73	The endocannabinoid system, eating behavior and energy homeostasis: the end or a new beginning?. <i>Pharmacology Biochemistry and Behavior</i> , 2010 , 95, 375-82	3.9	127
72	Cannabinoid CB1 receptor antagonism reduces conditioned reinstatement of ethanol-seeking behavior in rats. <i>European Journal of Neuroscience</i> , 2005 , 21, 2243-51	3.5	124
71	Immunohistochemical description of the endogenous cannabinoid system in the rat cerebellum and functionally related nuclei. <i>Journal of Comparative Neurology</i> , 2008 , 509, 400-21	3.4	114
70	Early maternal deprivation induces gender-dependent changes on the expression of hippocampal CB(1) and CB(2) cannabinoid receptors of neonatal rats. <i>Hippocampus</i> , 2009 , 19, 623-32	3.5	111
69	The role of the endocannabinoid system in the neuroendocrine regulation of energy balance. <i>Journal of Psychopharmacology</i> , 2012 , 26, 114-24	4.6	93
68	A role for the putative cannabinoid receptor GPR55 in the islets of Langerhans. <i>Journal of Endocrinology</i> , 2011 , 211, 177-85	4.7	90
67	Role of cannabinoid CB2 receptors in glucose homeostasis in rats. <i>European Journal of Pharmacology</i> , 2007 , 565, 207-11	5.3	89
66	Regulation of brain anandamide by acute administration of ethanol. <i>Biochemical Journal</i> , 2007 , 404, 97-104	10.4	87
65	Activation of cannabinoid CB1 receptors induces glucose intolerance in rats. <i>European Journal of Pharmacology</i> , 2006 , 531, 282-4	5.3	81
64	Endocannabinoid system and psychiatry: in search of a neurobiological basis for detrimental and potential therapeutic effects. <i>Frontiers in Behavioral Neuroscience</i> , 2011 , 5, 63	3.5	80
63	Ulcerative colitis induces changes on the expression of the endocannabinoid system in the human colonic tissue. <i>PLoS ONE</i> , 2009 , 4, e6893	3.7	78
62	Reduction of body weight, liver steatosis and expression of stearoyl-CoA desaturase 1 by the isoflavone daidzein in diet-induced obesity. <i>British Journal of Pharmacology</i> , 2011 , 164, 1899-915	8.6	76
61	Sex-dependent alterations in response to maternal deprivation in rats. <i>Psychoneuroendocrinology</i> , 2009 , 34 Suppl 1, S217-26	5	74

60	Central versus peripheral antagonism of cannabinoid CB1 receptor in obesity: effects of LH-21, a peripherally acting neutral cannabinoid receptor antagonist, in Zucker rats. <i>Journal of Neuroendocrinology</i> , 2008 , 20 Suppl 1, 116-23	3.8	70
59	Oleylethanolamide exerts partial and dose-dependent neuroprotection of substantia nigra dopamine neurons. <i>Neuropharmacology</i> , 2009 , 56, 653-64	5.5	53
58	Expression of the cannabinoid system in muscle: effects of a high-fat diet and CB1 receptor blockade. <i>Biochemical Journal</i> , 2011 , 433, 175-85	3.8	50
57	Oleylethanolamide impairs glucose tolerance and inhibits insulin-stimulated glucose uptake in rat adipocytes through p38 and JNK MAPK pathways. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005 , 289, E923-9	6	47
56	Leucine supplementation protects from insulin resistance by regulating adiposity levels. <i>PLoS ONE</i> , 2013 , 8, e74705	3.7	46
55	Critical role of the endocannabinoid system in the regulation of food intake and energy metabolism, with phylogenetic, developmental, and pathophysiological implications. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2008 , 8, 220-30	2.2	45
54	Anti-obesity efficacy of LH-21, a cannabinoid CB(1) receptor antagonist with poor brain penetration, in diet-induced obese rats. <i>British Journal of Pharmacology</i> , 2012 , 165, 2274-91	8.6	44
53	Maternal deprivation has sexually dimorphic long-term effects on hypothalamic cell-turnover, body weight and circulating hormone levels. <i>Hormones and Behavior</i> , 2010 , 58, 808-19	3.7	41
52	Plasma visfatin concentrations in severely obese subjects are increased after intestinal bypass. <i>Obesity</i> , 2007 , 15, 2391-5	8	41
51	Overexpression of cannabinoid CB2 receptor in the brain induces hyperglycaemia and a lean phenotype in adult mice. <i>Journal of Neuroendocrinology</i> , 2012 , 24, 1106-19	3.8	40
50	Early maternal deprivation induces changes on the expression of 2-AG biosynthesis and degradation enzymes in neonatal rat hippocampus. <i>Brain Research</i> , 2010 , 1349, 162-73	3.7	40
49	Endocannabinoid system in the adult rat circumventricular areas: an immunohistochemical study. <i>Journal of Comparative Neurology</i> , 2010 , 518, 3065-85	3.4	40
48	Attenuation of cocaine-induced conditioned locomotion is associated with altered expression of hippocampal glutamate receptors in mice lacking LPA1 receptors. <i>Psychopharmacology</i> , 2012 , 220, 27-42	4.7	39
47	Estradiol decreases cortical reactive astrogliosis after brain injury by a mechanism involving cannabinoid receptors. <i>Cerebral Cortex</i> , 2011 , 21, 2046-55	5.1	38
46	Obesity-dependent cannabinoid modulation of proliferation in adult neurogenic regions. <i>European Journal of Neuroscience</i> , 2011 , 33, 1577-86	3.5	37
45	Effects of the endogenous PPAR-alpha agonist, oleylethanolamide on MDMA-induced cognitive deficits in mice. <i>Synapse</i> , 2010 , 64, 379-89	2.4	35
44	The atypical cannabinoid O-1602 stimulates food intake and adiposity in rats. <i>Diabetes, Obesity and Metabolism</i> , 2012 , 14, 234-43	6.7	33
43	The role of the endocannabinoid system in eating disorders: pharmacological implications. <i>Behavioural Pharmacology</i> , 2012 , 23, 526-36	2.4	33

42	LRH-1 agonism favours an immune-islet dialogue which protects against diabetes mellitus. <i>Nature Communications</i> , 2018 , 9, 1488	17.4	31
41	Oleylethanolamide dose-dependently attenuates cocaine-induced behaviours through a PPAR α receptor-independent mechanism. <i>Addiction Biology</i> , 2013 , 18, 78-87	4.6	30
40	Leucine supplementation modulates fuel substrates utilization and glucose metabolism in previously obese mice. <i>Obesity</i> , 2014 , 22, 713-20	8	29
39	The role of the pancreatic endocannabinoid system in glucose metabolism. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2009 , 23, 87-102	6.5	29
38	Cocaine self-administration differentially modulates the expression of endogenous cannabinoid system-related proteins in the hippocampus of Lewis vs. Fischer 344 rats. <i>International Journal of Neuropsychopharmacology</i> , 2013 , 16, 1277-93	5.8	27
37	Opposite clinical phenotypes of glucokinase disease: Description of a novel activating mutation and contiguous inactivating mutations in human glucokinase (GCK) gene. <i>Molecular Endocrinology</i> , 2009 , 23, 1983-9		27
36	Neurogenesis in explants from the walls of the lateral ventricle of adult bovine brain: role of endogenous IGF-1 as a survival factor. <i>European Journal of Neuroscience</i> , 2003 , 17, 205-11	3.5	27
35	Rapid non-genomic regulation of Ca ²⁺ signals and insulin secretion by PPAR alpha ligands in mouse pancreatic islets of Langerhans. <i>Journal of Endocrinology</i> , 2009 , 200, 127-38	4.7	26
34	Cannabinoid CB1 receptor antagonism markedly increases dopamine receptor-mediated stereotypies. <i>European Journal of Pharmacology</i> , 2007 , 559, 180-3	5.3	26
33	Distribution of diacylglycerol lipase alpha, an endocannabinoid synthesizing enzyme, in the rat forebrain. <i>Neuroscience</i> , 2011 , 192, 112-31	3.9	25
32	The type 2 diabetes-associated HMG20A gene is mandatory for islet beta cell functional maturity. <i>Cell Death and Disease</i> , 2018 , 9, 279	9.8	24
31	Ulcerative colitis impairs the acylethanolamide-based anti-inflammatory system reversal by 5-aminosalicylic acid and glucocorticoids. <i>PLoS ONE</i> , 2012 , 7, e37729	3.7	23
30	The cannabinoid CB1 receptor and mTORC1 signalling pathways interact to modulate glucose homeostasis in mice. <i>DMM Disease Models and Mechanisms</i> , 2016 , 9, 51-61	4.1	21
29	Effects of adolescent nicotine and SR 147778 (Surinabant) administration on food intake, somatic growth and metabolic parameters in rats. <i>Neuropharmacology</i> , 2008 , 54, 194-205	5.5	21
28	Cannabinoids, eating behaviour, and energy homeostasis. <i>Drug Testing and Analysis</i> , 2014 , 6, 52-8	3.5	19
27	RPL13A and EEF1A1 Are Suitable Reference Genes for qPCR during Adipocyte Differentiation of Vascular Stromal Cells from Patients with Different BMI and HOMA-IR. <i>PLoS ONE</i> , 2016 , 11, e0157002	3.7	19
26	Diet-dependent modulation of hippocampal expression of endocannabinoid signaling-related proteins in cannabinoid antagonist-treated obese rats. <i>European Journal of Neuroscience</i> , 2013 , 37, 105-117	3.5	18
25	The cannabinoid ligand LH-21 reduces anxiety and improves glucose handling in diet-induced obese pre-diabetic mice. <i>Scientific Reports</i> , 2017 , 7, 3946	4.9	16

24	Acute delta9-tetrahydrocannabinol exposure facilitates quinpirole-induced hyperlocomotion. <i>Pharmacology Biochemistry and Behavior</i> , 2005 , 81, 71-7	3.9	14
23	miR-20b, miR-296, and Let-7f Expression in Human Adipose Tissue is Related to Obesity and Type 2 Diabetes. <i>Obesity</i> , 2019 , 27, 245-254	8	13
22	LH-21 and abnormal cannabidiol improve β -cell function in isolated human and mouse islets through GPR55-dependent and -independent signalling. <i>Diabetes, Obesity and Metabolism</i> , 2018 , 20, 930-942	6.7	13
21	Description of a bivalent cannabinoid ligand with hypophagic properties. <i>Archiv Der Pharmazie</i> , 2013 , 346, 171-9	4.3	11
20	Quantification of the secretory glycoproteins of the subcommissural organ by a sensitive sandwich ELISA with a polyclonal antibody and a set of monoclonal antibodies against the bovine Reissner's fiber. <i>Cell and Tissue Research</i> , 1998 , 294, 407-13	4.2	11
19	The Endocannabinoid System as Pharmacological Target Derived from Its CNS Role in Energy Homeostasis and Reward. Applications in Eating Disorders and Addiction. <i>Pharmaceuticals</i> , 2011 , 4, 1101-1136	5.2	10
18	Adiponectin promoter activator NP-1 reduces body weight and hepatic steatosis in high-fat diet-fed animals. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 302, E817-30	6	10
17	The subcommissural organ expresses D2, D3, D4, and D5 dopamine receptors. <i>Cell and Tissue Research</i> , 2004 , 317, 65-77	4.2	10
16	Dissecting the Brain/Islet Axis in Metabesity. <i>Genes</i> , 2019 , 10,	4.2	7
15	The Atypical Cannabinoid Abn-CBD Reduces Inflammation and Protects Liver, Pancreas, and Adipose Tissue in a Mouse Model of Prediabetes and Non-alcoholic Fatty Liver Disease. <i>Frontiers in Endocrinology</i> , 2020 , 11, 103	5.7	7
14	Synthesis of fatty acid amides of catechol metabolites that exhibit antiobesity properties. <i>ChemMedChem</i> , 2010 , 5, 1781-7	3.7	7
13	Non-animal-derived monoclonal antibodies are not ready to substitute current hybridoma technology. <i>Nature Methods</i> , 2020 , 17, 1069-1070	21.6	7
12	Comparison of the Effects of Goat Dairy and Cow Dairy Based Breakfasts on Satiety, Appetite Hormones, and Metabolic Profile. <i>Nutrients</i> , 2017 , 9,	6.7	6
11	Liver expression of proteins controlling interferon-mediated signalling as predictive factors in the response to therapy in patients with hepatitis C virus infection. <i>Journal of Pathology</i> , 2007 , 213, 347-55	9.4	6
10	Inadequate control of thyroid hormones sensitizes to hepatocarcinogenesis and unhealthy aging. <i>Aging</i> , 2019 , 11, 7746-7779	5.6	5
9	The metabesity factor HMG20A potentiates astrocyte survival and reactive astrogliosis preserving neuronal integrity. <i>Theranostics</i> , 2021 , 11, 6983-7004	12.1	5
8	(+)-trans-Cannabidiol-2-hydroxy pentyl is a dual CBR antagonist/CBR agonist that prevents diabetic nephropathy in mice. <i>Pharmacological Research</i> , 2021 , 169, 105492	10.2	4
7	Bovine subcommissural organ displays spontaneous and synchronous intracellular calcium oscillations. <i>Brain Research</i> , 2003 , 977, 90-6	3.7	3

6	miR-21 mimic blocks obesity in mice: A novel therapeutic option. <i>Molecular Therapy - Nucleic Acids</i> , 2021 , 26, 401-416	10.7	3
5	NR5A2/LRH-1 regulates the PTGS2-PGE2-PTGER1 pathway contributing to pancreatic islet survival and function. <i>iScience</i> , 2022 , 104345	6.1	2
4	A sensitive method to analyse the effect of putative regulatory ligands on the release of glycoprotein from primary cultures of dispersed bovine subcommissural organ cells. <i>Journal of Neuroscience Methods</i> , 2010 , 191, 239-43	3	1
3	Oxidative and inflammatory effects of pulmonary rehabilitation in patients with bronchiectasis. A prospective, randomized study. <i>Nutricion Hospitalaria</i> , 2020 , 37, 6-13	1	1
2	Abnormal cannabidiol ameliorates inflammation preserving pancreatic beta cells in mouse models of experimental type 1 diabetes and beta cell damage. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 145, 112361	7.5	1
1	213-OR: Obesity-Induced Astrogliosis Is Regulated by the Diabesity Factor HMG20A. <i>Diabetes</i> , 2020 , 69, 213-OR	0.9	