Enrique Blazquez

List of Publications by Year
in descending order

58 papers	2,567 citations	257450 24 h-index	189892 50 g-index
59 all docs	59 docs citations	59 times ranked	2767 citing authors

#	Article	IF	Citations
1	Insulin in the Brain: Its Pathophysiological Implications for States Related with Central Insulin Resistance, Type 2 Diabetes and AlzheimerÃ¢â‚¬â„¢s Disease. Frontiers in Endocrinology, 2014, 5, 161.	3.5	369
2	The expression of GLP-1 receptor mRNA and protein allows the effect of GLP-1 on glucose metabolism in the human hypothalamus and brainstem. Journal of Neurochemistry, 2005, 92, 798-806.	3.9	241
3	Colocalization of Glucagonâ€Like Peptideâ€1 (GLPâ€1) Receptors, Glucose Transporter GLUTâ€2, and Glucokinase mRNAs in Rat Hypothalamic Cells: Evidence for a Role of GLPâ€1 Receptor Agonists as an Inhibitory Signal for Food and Water Intake. Journal of Neurochemistry, 1996, 67, 1982-1991.	3.9	205
4	Expression of the Glucagonâ€Like Peptideâ€1 Receptor Gene in Rat Brain. Journal of Neurochemistry, 1996, 66, 920-927.	3.9	160
5	Development of Insulin and Glucagon Binding and the Adenylate Cyclase Response in Liver Membranes of the Prenatal, Postnatal, and Adult Rat: Evidence of Glucagon â€œResistanceâ€. Endocrinology, 1976, 98, 1014-1023.	2.8	144
6	Peripheral versus central effects of glucagon-like peptide-1 receptor agonists on satiety and body weight loss in Zucker obese rats. Metabolism: Clinical and Experimental, 2000, 49, 709-717.	3.4	144
7	Interactions of exendin-(9â€“39) with the effects of glucagon-like peptide-1-(7â€“36) amide and of exendin-4 on arterial blood pressure and heart rate in rats. Regulatory Peptides, 1996, 67, 63-68.	1.9	104
8	Functional Glucokinase Isoforms Are Expressed in Rat Brain. Journal of Neurochemistry, 2000, 74, 1848-1857.	3.9	86
9	Neural contribution to the effect of glucagon-like peptide-1-(7â€”36) amide on arterial blood pressure in rats. American Journal of Physiology - Endocrinology and Metabolism, 1999, 277, E784-E791.	3.5	77
10	Evidence that glucokinase regulatory protein is expressed and interacts with glucokinase in rat brain. Journal of Neurochemistry, 2002, 80, 45-53.	3.9	68
11	Expression of glucose transporter isoform GLUT-2 and glucokinase genes in human brain. Journal of Neurochemistry, 2004, 88, 1203-1210.	3.9	59
12	Increased glucagon-like peptide-1 receptor expression in glia after mechanical lesion of the rat brain. Neuropeptides, 1999, 33, 212-215.	2.2	52
13	Glucagon-like Peptide-1(7â€“36) Amide Stimulates Surfactant Secretion in Human Type II Pneumocytes. American Journal of Respiratory and Critical Care Medicine, 2001, 163, 840-846.	5.6	50
14	Glucagon-like peptide-1 does not have a role in hepatic carbohydrate metabolism. Diabetologia, 1985, 28, 920-921.	6.3	46
15	Effects of novel maturity-onset diabetes of the young (MODY)-associated mutations on glucokinase activity and protein stability. Biochemical Journal, 2006, 393, 389-396.	3.7	45
16	Glucagon-Like Peptide-1-(7â€“36)Amide Increases Pulmonary Surfactant Secretion through a Cyclic Adenosine 3â€²,5â€²-Monophosphate-Dependent Protein Kinase Mechanism in Rat Type II Pneumocytes*. Endocrinology, 1998, 139, 2363-2368.	2.8	42
17	Glucagon-like peptide-2 stimulates the proliferation of cultured rat astrocytes. FEBS Journal, 2003, 270, 3001-3009.	0.2	40
18	Structural Characterization by Affinity Cross-Linking of Glucagon-Like Peptide-1(7-36)Amide Receptor in Rat Brain. Journal of Neurochemistry, 2002, 64, 299-306.	3.9	39

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19	Glucagon-Like Peptide 1 (GLP-1) Can Reverse AMP-Activated Protein Kinase (AMPK) and S6 Kinase (P70S6K) Activities Induced by Fluctuations in Glucose Levels in Hypothalamic Areas Involved in Feeding Behaviour. Molecular Neurobiology, 2012, 45, 348-361.	4.0	38
20	Coexpression of Glucagon-Like Peptide-1 (GLP-1) Receptor, Vasopressin, and Oxytocin mRNAs in Neurons of the Rat Hypothalamic Supraoptic and Paraventricular Nuclei. Journal of Neurochemistry, 1999, 72, 10-16.	3.9	37
21	The Synthesis and Release of Insulin in Fetal, Nursing and Young Adult Rats: Studies in Vivo and in Vitro. Pediatric Research, 1975, 9, 17-25.	2.3	34
22	Evidence That Circadian Variations of Circulating Melatonin Levels in Fetal and Suckling Rats Are Dependent on Maternal Melatonin Transfer. Neuroendocrinology, 1992, 55, 321-326.	2.5	31
23	Direct Evidence of a Glucagon-Dependent Regulation of the Concentration of Glucagon Receptors in the Liver. FEBS Journal, 1982, 121, 671-677.	0.2	29
24	Glucagon-like peptide-1 (7â€"36) amide as a novel neuropeptide. Molecular Neurobiology, 1998, 18, 157-173.	4.0	29
25	The Synthesis and Release of Insulin in Fetal, Nursing and Young Adult Rats. Pediatric Research, 1975, 9, 17-25.	2.3	26
26	Influence of Germination with Different Selenium Solutions on Nutritional Value and Cytotoxicity of Lupin Seeds. Journal of Agricultural and Food Chemistry, 2009, 57, 1319-1325.	5.2	25
27	Leptin but not neuropeptide Y up-regulated glucagon-like peptide 1 receptor expression in GT1-7 cells and rat hypothalamic slices. Metabolism: Clinical and Experimental, 2008, 57, 40-48.	3.4	24
28	PAS Kinase Is a Nutrient and Energy Sensor in Hypothalamic Areas Required for the Normal Function of AMPK and mTOR/S6K1. Molecular Neurobiology, 2014, 50, 314-326.	4.0	21
29	Effects of glucose and insulin on glucokinase activity in rat hypothalamus. Journal of Endocrinology, 2007, 193, 259-267.	2.6	20
30	Significance of Brain Glucose Hypometabolism, Altered Insulin Signal Transduction, and Insulin Resistance in Several Neurological Diseases. Frontiers in Endocrinology, 2022, 13, .	3.5	20
31	25-Hydroxycholesterol has a dual effect on the proliferation of cultured rat astrocytes. Neuropharmacology, 2006, 51, 229-237.	4.1	19
32	The cytoplasmic domain close to the transmembrane region of the glucagon-like peptide-1 receptor contains sequence elements that regulate agonist-dependent internalisation. Journal of Endocrinology, 2005, 186, 221-231.	2.6	18
33	Substitution of the cysteine 438 residue in the cytoplasmic tail of the glucagon-like peptide-1 receptor alters signal transduction activity. Journal of Endocrinology, 2005, 185, 35-44.	2.6	17
34	PAS Kinase as a Nutrient Sensor in Neuroblastoma and Hypothalamic Cells Required for the Normal Expression and Activity of Other Cellular Nutrient and Energy Sensors. Molecular Neurobiology, 2013, 48, 904-920.	4.0	17
35	Glucagon-Like Peptide-1-(7-36)Amide Increases Pulmonary Surfactant Secretion through a Cyclic Adenosine 3',5'-Monophosphate-Dependent Protein Kinase Mechanism in Rat Type II Pneumocytes. Endocrinology, 1998, 139, 2363-2368.	2.8	17
36	Expression of glucose transporter-2, glucokinase and mitochondrial glycerolphosphate dehydrogenase in pancreatic islets during rat ontogenesis. FEBS Journal, 2002, 269, 119-127.	0.2	15

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37	Glucokinase and Glucokinase Regulatory Proteins are Functionally Coexpressed before Birth in the Rat Brain. Journal of Neuroendocrinology, 2009, 21, 973-981.	2.6	15
38	High-fat diet alters PAS kinase regulation by fasting and feeding in liver. Journal of Nutritional Biochemistry, 2018, 57, 14-25.	4.2	15
39	Effects of triiodothyronine and bovine growth hormone on glucose transporter isoform-2 (GLUT-2) and glucokinase (GK) gene expression in pancreatic islets of fetal and adult rats. Pflugers Archiv European Journal of Physiology, 2001, 442, 662-667.	2.8	14
40	Synergistic Effect of Glucagon-Like Peptide 2 (GLP-2) and of Key Growth Factors on the Proliferation of Cultured Rat Astrocytes. Evidence for Reciprocal Upregulation of the mRNAs for GLP-2 and IGF-I Receptors. Molecular Neurobiology, 2009, 40, 183-193.	4.0	12
41	Insulin-Receptor Substrate-2 (IRS-2) Is Required for Maintaining Glucokinase and Glucokinase Regulatory Protein Expression in Mouse Liver. PLoS ONE, 2013, 8, e58797.	2.5	12
42	Delayed appearance of liver growth hormone binding sites and of growth hormone-induced somatomedin production during rat development. Biochemical and Biophysical Research Communications, 1986, 136, 38-44.	2.1	11
43	Characterization of glucagon receptors in liver membranes and isolated hepatocytes during rat ontogenic development. Molecular and Cellular Endocrinology, 1987, 49, 149-157.	3.2	11
44	Thermal and conductivity properties of poly(ethylene glycol)-based cyclopolymersElectronic supplementary information (ESI) available: 1H NMR spectra and gel permeation chromatography traces of polymers 4, 5a and 6 after purification by precipitation in the non-solvent. See http://www.rsc.org/suppdata/jm/b4/b402677b/. Journal of Materials Chemistry, 2004, 14, 2524.	6.7	11
45	Influence of Î²â€nucleation on polymorphism and properties in random copolymers and terpolymers of propylene. Polymer Engineering and Science, 2012, 52, 2285-2295.	3.1	10
46	Expression of glucagon-like peptide-1 (GLP-1) receptor and the effect of GLP-1-(7-36) amide on insulin release by pancreatic islets during rat ontogenic development. FEBS Journal, 2001, 268, 514-520.	0.2	9
47	Insulin induces a similar reduction in the concentrations of its own receptor and of an insulin-sensitive glycosyl-phosphatidylinositol in isolated rat hepatocytes. FEBS Letters, 1989, 258, 281-284.	2.8	8
48	Insulin Promotes the Hydrolysis of a Glycosyl Phosphatidylinositol in Cultured Rat Astroglial Cells. Journal of Neurochemistry, 2002, 68, 10-19.	3.9	8
49	Changes in adenylate cyclase and phosphodiesterase activities during the growth cycle of adult rat hepatocytes in primary culture. Archives of Biochemistry and Biophysics, 1984, 232, 679-684.	3.0	3
50	New gene targets for glucagon-like peptide-1 during embryonic development and in undifferentiated pluripotent cells. American Journal of Physiology - Endocrinology and Metabolism, 2011, 301, E494-E503.	3.5	3
51	Glucagon-Like Peptide-2 (GLP-2) Modulates the cGMP Signalling Pathway by Regulating the Expression of the Soluble Guanylyl Cyclase Receptor Subunits in Cultured Rat Astrocytes. Molecular Neurobiology, 2012, 46, 242-250.	4.0	3
52	Passing of Insulin from Plasma into the Bile.. Experimental Biology and Medicine, 1967, 125, 939-941.	2.4	2
53	Transfer of insulin into the bile in rabbit late pregnancy. Acta Diabetologica, 1971, 8, 469-478.	2.5	2
54	The effect of placental lactogen (HPL) on insulin secretion in rabbits. Life Sciences, 1972, 11, 25-30.	4.3	2

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55	Direct evidence that insulin does not down-regulate its own receptors in circulating monocytes of human newborns. Diabetologia, 1987, 30, 820-2.	6.3	2
56	Insulin-Induced Proteolysis of the Insulin Receptor alpha-Subunit from Rat Liver does not Occur in vivo but is Prevented in vitro by Blood Serum Proteinase Inhibitors. FEBS Journal, 1995, 232, 747-754.	0.2	2
57	Characterization of glucacon receptors in Golgi fractions of fetal rat liver. FEBS Letters, 1987, 222, 256-260.	2.8	1
58	Glucokinase as a Glucose Sensor in Hypothalamus - Regulation by Orexigenic and Anorexigenic Peptides. , 2011, , .		0