Jose C C Perales

List of Publications by Year
in descending order

66 papers	4,590 citations	159585 30 h-index	110387 64 g-index
67 all docs	67 docs citations	67 times ranked	7481 citing authors

#	Article	IF	Citations
1	Î² Cellâ€“specific deletion of Zfp148 improves nutrient-stimulated Î² cell Ca2+ responses. JCI Insight, 2022, 7, .	5.0	4
2	PEPCK-M recoups tumor cell anabolic potential in a PKC-Î¶-dependent manner. Cancer & Metabolism, 2021, 9, 1.	5.0	20
3	Pharmacology and preclinical validation of a novel anticancer compound targeting PEPCK-M. Biomedicine and Pharmacotherapy, 2020, 121, 109601.	5.6	9
4	Phosphoenolpyruvate from Glycolysis and PEPCK Regulate Cancer Cell Fate by Altering Cytosolic Ca2+. Cells, 2020, 9, 18.	4.1	23
5	Role of the Transforming Growth Factor-Î² in regulating hepatocellular carcinoma oxidative metabolism. Scientific Reports, 2017, 7, 12486.	3.3	54
6	PEPCK-C reexpression in the liver counters neonatal hypoglycemia in Pck1 del/del mice, unmasking role in non-gluconeogenic tissues. Journal of Physiology and Biochemistry, 2017, 73, 89-98.	3.0	14
7	Neuronal Progenitor Maintenance Requires Lactate Metabolism and PEPCK-M-Directed Cataplerosis. Cerebral Cortex, 2016, 26, 1046-1058.	2.9	33
8	p38Î± function in osteoblasts influences adipose tissue homeostasis. FASEB Journal, 2015, 29, 1414-1425.	0.5	13
9	Phosphoenolpyruvate Is a Metabolic Checkpoint of Anti-tumor T Cell Responses. Cell, 2015, 162, 1217-1228.	28.9	1,044
10	A DERL3-associated defect in the degradation of SLC2A1 mediates the Warburg effect. Nature Communications, 2014, 5, 3608.	12.8	94
11	Mitochondrial Phosphoenolpyruvate Carboxykinase (PEPCK-M) Is a Pro-survival, Endoplasmic Reticulum (ER) Stress Response Gene Involved in Tumor Cell Adaptation to Nutrient Availability. Journal of Biological Chemistry, 2014, 289, 22090-22102.	3.4	148
12	The effect of the composition of PLA films and lactate release on glial and neuronal maturation and the maintenance of the neuronal progenitor niche. Biomaterials, 2013, 34, 2221-2233.	11.4	33
13	PEPCK-M expression in mouse liver potentiates, not replaces, PEPCK-C mediated gluconeogenesis. Journal of Hepatology, 2013, 59, 105-113.	3.7	96
14	Short-Fiber Protein of Ad40 Confers Enteric Tropism and Protection Against Acidic Gastrointestinal Conditions. Human Gene Therapy Methods, 2013, 24, 195-204.	2.1	13
15	A Transcriptome-proteome Integrated Network Identifies Endoplasmic Reticulum thiol oxidoreductase (ERp57) as a Hub that Mediates Bone Metastasis. Molecular and Cellular Proteomics, 2013, 12, 2111-2125.	3.8	32
16	Akt-dependent Activation of the Heart 6-Phosphofructo-2-kinase/Fructose-2,6-bisphosphatase (PFKFB2) Isoenzyme by Amino Acids. Journal of Biological Chemistry, 2013, 288, 10640-10651.	3.4	63
17	Functional Characterization of the Human Mariner Transposon Hsmar2. PLoS ONE, 2013, 8, e73227.	2.5	3
18	Triheptanoin Supplementation to Ketogenic Diet Curbs Cognitive Impairment in APP/PS1 Mice Used as a Model of Familial Alzheimerâ€™s Disease. Current Alzheimer Research, 2013, 10, 290-297.	1.4	44

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19	Functionally Enhanced siRNA Targeting TNFÎ± Attenuates DSS-induced Colitis and TLR-mediated Immunostimulation in Mice. Molecular Therapy, 2012, 20, 382-390.	8.2	25
20	Specific Jak3 Downregulation in Lymphocytes Impairs Î³c Cytokine Signal Transduction and Alleviates Antigen-driven Inflammation In Vivo. Molecular Therapy - Nucleic Acids, 2012, 1, e42.	5.1	12
21	Elevated TCA cycle function in the pathology of diet-induced hepatic insulin resistance and fatty liver. Journal of Lipid Research, 2012, 53, 1080-1092.	4.2	320
22	Selective siRNA-mediated suppression of 5-HT1A autoreceptors evokes strong anti-depressant-like effects. Molecular Psychiatry, 2012, 17, 612-623.	7.9	111
23	New antidepressant strategy based on acute siRNA silencing of 5-HT1A autoreceptors. Molecular Psychiatry, 2012, 17, 567-567.	7.9	11
24	Synthesis of triheptanoin and formulation as a solid diet for rodents. European Journal of Lipid Science and Technology, 2012, 114, 889-895.	1.5	5
25	Synthesis and in vitro Inhibition Properties of siRNA Conjugates Carrying Acridine and Quindoline Moieties. Chemistry and Biodiversity, 2012, 9, 557-566.	2.1	9
26	Branched RNA: A New Architecture for RNA Interference. Journal of Nucleic Acids, 2011, 2011, 1-7.	1.2	11
27	Synthesis and in vitro inhibition properties of siRNA conjugates carrying glucose and galactose with different presentations. Molecular Diversity, 2011, 15, 751-757.	3.9	28
28	Synthesis of Lipidâ€“Oligonucleotide Conjugates for RNA Interference Studies. Chemistry and Biodiversity, 2011, 8, 287-299.	2.1	18
29	Effect of North Bicyclo[3.1.0]hexane 2â€²â€Deoxyâ€pseudosugars on RNA Interference: A Novel Class of siRNA Modification. ChemBioChem, 2011, 12, 1056-1065.	2.6	30
30	Inside Cover: Effect of North Bicyclo[3.1.0]hexane 2â€²-Deoxy-pseudosugars on RNA Interference: A Novel Class of siRNA Modification (ChemBioChem 7/2011). ChemBioChem, 2011, 12, 974-974.	2.6	0
31	Liver Glucokinase_{A456V}Induces Potent Hypoglycemia without Dyslipidemia through a Paradoxical Induction of the Catalytic Subunit of Glucose-6-Phosphatase. International Journal of Endocrinology, 2011, 2011, 1-12.	1.5	2
32	Synthesis of Oligonucleotides Carrying Amino Lipid Groups at the 3â€²-End for RNA Interference Studies. Journal of Organic Chemistry, 2010, 75, 6806-6813.	3.2	26
33	Reduced Milk Triglycerides in Mice Lacking Phosphoenolpyruvate Carboxykinase in Mammary Gland Adipocytes and White Adipose Tissue Contribute to the Development of Insulin Resistance in Pups ,. Journal of Nutrition, 2009, 139, 2257-2265.	2.9	12
34	Fructose 1,6-bisphosphate reduced TNF-Î±-induced apoptosis in galactosamine sensitized rat hepatocytes through activation of nitric oxide and cGMP production. European Journal of Pharmacology, 2009, 610, 128-133.	3.5	17
35	Stepwise synthesis of RNA conjugates carrying peptide sequences for RNA interference studies. Molecular Diversity, 2009, 13, 287-293.	3.9	13
36	Pfkfb3 is transcriptionally upregulated in diabetic mouse liver through proliferative signals. FEBS Journal, 2009, 276, 4555-4568.	4.7	36

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37	Overexpression of ubiquitous 6-phosphofructo-2-kinase in the liver of transgenic mice results in weight gain. Biochemical and Biophysical Research Communications, 2008, 365, 291-297.	2.1	18
38	Characterization of a new liver- and kidney-specific pfkfb3 isozyme that is downregulated by cell proliferation and dedifferentiation. Biochemical and Biophysical Research Communications, 2008, 367, 748-754.	2.1	10
39	Pck1 Gene Silencing in the Liver Improves Glycemia Control, Insulin Sensitivity, and Dyslipidemia in db/db Mice. Diabetes, 2008, 57, 2199-2210.	0.6	109
40	PFKFB3 gene silencing decreases glycolysis, induces cell-cycle delay and inhibits anchorage-independent growth in HeLa cells. FEBS Letters, 2006, 580, 3308-3314.	2.8	97
41	Fructose 1,6-bisphosphate prevented endotoxemia, macrophage activation, and liver injury induced by D-galactosamine in rats*. Critical Care Medicine, 2006, 34, 807-814.	0.9	57
42	Overcoming Diabetes-Induced Hyperglycemia through Inhibition of Hepatic Phosphoenolpyruvate Carboxykinase (GTP) with RNAi. Molecular Therapy, 2006, 13, 401-410.	8.2	72
43	Aspirin inhibits NF-Î²B activation in a glycolysis-depleted lung epithelial cell line. European Journal of Pharmacology, 2005, 517, 158-164.	3.5	10
44	Copolymers of poly-l-lysine with serine and tryptophan form stable DNA vectors: implications for receptor-mediated gene transfer. Journal of Controlled Release, 2005, 102, 277-291.	9.9	12
45	Assessment of a dual regulatory role for NO in liver regeneration after partial hepatectomy: protection against apoptosis and retardation of hepatocyte proliferation. FASEB Journal, 2005, 19, 995-997.	0.5	29
46	Specific expression ofpfkfb4gene in spermatogonia germ cells and analysis of its 5â€²-flanking region. FEBS Letters, 2005, 579, 357-362.	2.8	10
47	6-Phosphofructo-2-kinase (pfkfb3) Gene Promoter Contains Hypoxia-inducible Factor-1 Binding Sites Necessary for Transactivation in Response to Hypoxia. Journal of Biological Chemistry, 2004, 279, 53562-53570.	3.4	213
48	Glutathione content and adaptation to endogenously induced energy depletion in Mv1Lu cells. Free Radical Biology and Medicine, 2004, 36, 1555-1565.	2.9	4
49	Regulation of ubiquitous 6-phosphofructo-2-kinase by the ubiquitin-proteasome proteolytic pathway during myogenic C2C12 cell differentiation. FEBS Letters, 2003, 550, 23-29.	2.8	30
50	Receptor-Mediated Gene Transfer Vectors: Progress Towards Genetic Pharmaceuticals. Current Gene Therapy, 2003, 3, 468-485.	2.0	30
51	The Combination of Ischemic Preconditioning and Liver Bcl-2 Overexpression Is a Suitable Strategy to Prevent Liver and Lung Damage after Hepatic Ischemia-Reperfusion. American Journal of Pathology, 2002, 160, 2111-2122.	3.8	43
52	Single-stranded DNA condensed with poly-l-lysine results in nanometric particles that are significantly smaller, more stable in physiological ionic strength fluids and afford higher efficiency of gene delivery than their double-stranded counterparts. Biochimica Et Biophysica Acta - General Subjects, 2002, 1572, 37-44.	2.4	26
53	Insulin induces PFKFB3 gene expression in HT29 human colon adenocarcinoma cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2002, 1589, 89-92.	4.1	35
54	Biological Properties of Poly-l-lysine-DNA Complexes Generated by Cooperative Binding of the Polycation. Journal of Biological Chemistry, 2001, 276, 34379-34387.	3.4	142

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55	Transfer of the Human Alpha1-Antitrypsin Gene into Pulmonary MacrophagesIn Vivo. American Journal of Respiratory Cell and Molecular Biology, 1998, 18, 591-601.	2.9	34
56	Biochemical and Functional Characterization of DNA Complexes Capable of Targeting Genes to Hepatocytes via the Asialoglycoprotein Receptor. Journal of Biological Chemistry, 1997, 272, 7398-7407.	3.4	121
57	Safety-modified episomal vectors for human gene therapy. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 6450-6455.	7.1	41
58	Axon-mediated gene transfer of retinal ganglion cellsin vivo. , 1997, 32, 111-112.		22
59	Cholesteryl ester transfer activity in liver disease and cholestasis, and its relation with fatty acid composition of lipoprotein lipids. Clinica Chimica Acta, 1996, 248, 157-174.	1.1	30
60	Receptor-mediated gene transfer into macrophages.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 101-105.	7.1	184
61	Gene transfer into the airway epithelium of animals by targeting the polymeric immunoglobulin receptor.. Journal of Clinical Investigation, 1995, 95, 493-502.	8.2	140
62	Expression of the Neomycin-Resistance (neo) Gene Induces Alterations in Gene Expression and Metabolism. Human Gene Therapy, 1994, 5, 449-456.	2.7	126
63	An Evaluation of Receptor-Mediated Gene Transfer Using Synthetic DNA-Ligand Complexes. FEBS Journal, 1994, 226, 255-266.	0.2	141
64	Gene transfer in vivo: sustained expression and regulation of genes introduced into the liver by receptor-targeted uptake.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 4086-4090.	7.1	317
65	An evaluation of receptor-mediated gene transfer using synthetic DNA-ligand complexes. , 1994, , 209-220.		0
66	Regulation of the phosphoenolpyruvate carboxykinase/human factor IX gene introduced into the livers of adult rats by receptorâ€mediated gene transfer. FASEB Journal, 1993, 7, 1081-1091.	0.5	59