

Jose C C Perales

List of Publications by Year in descending order

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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	Phosphoenolpyruvate Is a Metabolic Checkpoint of Anti-tumor T Cell Responses. <i>Cell</i> , 2015, 162, 1217-1228.	28.9	1,044
2	Elevated TCA cycle function in the pathology of diet-induced hepatic insulin resistance and fatty liver. <i>Journal of Lipid Research</i> , 2012, 53, 1080-1092.	4.2	320
3	Gene transfer in vivo: sustained expression and regulation of genes introduced into the liver by receptor-targeted uptake.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 4086-4090.	7.1	317
4	6-Phosphofructo-2-kinase (pfkfb3) Gene Promoter Contains Hypoxia-inducible Factor-1 Binding Sites Necessary for Transactivation in Response to Hypoxia. <i>Journal of Biological Chemistry</i> , 2004, 279, 53562-53570.	3.4	213
5	Receptor-mediated gene transfer into macrophages.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 101-105.	7.1	184
6	Mitochondrial Phosphoenolpyruvate Carboxykinase (PEPCK-M) Is a Pro-survival, Endoplasmic Reticulum (ER) Stress Response Gene Involved in Tumor Cell Adaptation to Nutrient Availability. <i>Journal of Biological Chemistry</i> , 2014, 289, 22090-22102.	3.4	148
7	Biological Properties of Poly-L-lysine-DNA Complexes Generated by Cooperative Binding of the Polycation. <i>Journal of Biological Chemistry</i> , 2001, 276, 34379-34387.	3.4	142
8	An Evaluation of Receptor-Mediated Gene Transfer Using Synthetic DNA-Ligand Complexes. <i>FEBS Journal</i> , 1994, 226, 255-266.	0.2	141
9	Gene transfer into the airway epithelium of animals by targeting the polymeric immunoglobulin receptor.. <i>Journal of Clinical Investigation</i> , 1995, 95, 493-502.	8.2	140
10	Expression of the Neomycin-Resistance (<i>neo</i>) Gene Induces Alterations in Gene Expression and Metabolism. <i>Human Gene Therapy</i> , 1994, 5, 449-456.	2.7	126
11	Biochemical and Functional Characterization of DNA Complexes Capable of Targeting Genes to Hepatocytes via the Asialoglycoprotein Receptor. <i>Journal of Biological Chemistry</i> , 1997, 272, 7398-7407.	3.4	121
12	Selective siRNA-mediated suppression of 5-HT1A autoreceptors evokes strong anti-depressant-like effects. <i>Molecular Psychiatry</i> , 2012, 17, 612-623.	7.9	111
13	<i>Pck1</i> Gene Silencing in the Liver Improves Glycemia Control, Insulin Sensitivity, and Dyslipidemia in <i>db/db</i> Mice. <i>Diabetes</i> , 2008, 57, 2199-2210.	0.6	109
14	PFKFB3 gene silencing decreases glycolysis, induces cell-cycle delay and inhibits anchorage-independent growth in HeLa cells. <i>FEBS Letters</i> , 2006, 580, 3308-3314.	2.8	97
15	PEPCK-M expression in mouse liver potentiates, not replaces, PEPCK-C mediated gluconeogenesis. <i>Journal of Hepatology</i> , 2013, 59, 105-113.	3.7	96
16	A DERL3-associated defect in the degradation of SLC2A1 mediates the Warburg effect. <i>Nature Communications</i> , 2014, 5, 3608.	12.8	94
17	Overcoming Diabetes-Induced Hyperglycemia through Inhibition of Hepatic Phosphoenolpyruvate Carboxykinase (GTP) with RNAi. <i>Molecular Therapy</i> , 2006, 13, 401-410.	8.2	72
18	Akt-dependent Activation of the Heart 6-Phosphofructo-2-kinase/Fructose-2,6-bisphosphatase (PFKFB2) Isoenzyme by Amino Acids. <i>Journal of Biological Chemistry</i> , 2013, 288, 10640-10651.	3.4	63

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19	Regulation of the phosphoenolpyruvate carboxykinase/human factor IX gene introduced into the livers of adult rats by receptor-mediated gene transfer. <i>FASEB Journal</i> , 1993, 7, 1081-1091.	0.5	59
20	Fructose 1,6-bisphosphate prevented endotoxemia, macrophage activation, and liver injury induced by D-galactosamine in rats*. <i>Critical Care Medicine</i> , 2006, 34, 807-814.	0.9	57
21	Role of the Transforming Growth Factor- β^2 in regulating hepatocellular carcinoma oxidative metabolism. <i>Scientific Reports</i> , 2017, 7, 12486.	3.3	54
22	Triheptanoin Supplementation to Ketogenic Diet Curbs Cognitive Impairment in APP/PS1 Mice Used as a Model of Familial Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2013, 10, 290-297.	1.4	44
23	The Combination of Ischemic Preconditioning and Liver Bcl-2 Overexpression Is a Suitable Strategy to Prevent Liver and Lung Damage after Hepatic Ischemia-Reperfusion. <i>American Journal of Pathology</i> , 2002, 160, 2111-2122.	3.8	43
24	Safety-modified episomal vectors for human gene therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 6450-6455.	7.1	41
25	<i>Pfkfb3</i> is transcriptionally upregulated in diabetic mouse liver through proliferative signals. <i>FEBS Journal</i> , 2009, 276, 4555-4568.	4.7	36
26	Insulin induces PFKFB3 gene expression in HT29 human colon adenocarcinoma cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2002, 1589, 89-92.	4.1	35
27	Transfer of the Human Alpha1-Antitrypsin Gene into Pulmonary Macrophages In Vivo. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1998, 18, 591-601.	2.9	34
28	The effect of the composition of PLA films and lactate release on glial and neuronal maturation and the maintenance of the neuronal progenitor niche. <i>Biomaterials</i> , 2013, 34, 2221-2233.	11.4	33
29	Neuronal Progenitor Maintenance Requires Lactate Metabolism and PEPCK-M-Directed Cataplerosis. <i>Cerebral Cortex</i> , 2016, 26, 1046-1058.	2.9	33
30	A Transcriptome-proteome Integrated Network Identifies Endoplasmic Reticulum thiol oxidoreductase (ERp57) as a Hub that Mediates Bone Metastasis. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2111-2125.	3.8	32
31	Cholesteryl ester transfer activity in liver disease and cholestasis, and its relation with fatty acid composition of lipoprotein lipids. <i>Clinica Chimica Acta</i> , 1996, 248, 157-174.	1.1	30
32	Regulation of ubiquitous 6-phosphofructo-2-kinase by the ubiquitin-proteasome proteolytic pathway during myogenic C2C12 cell differentiation. <i>FEBS Letters</i> , 2003, 550, 23-29.	2.8	30
33	Effect of North Bicyclo[3.1.0]hexane 2-Deoxy pseudosugars on RNA Interference: A Novel Class of siRNA Modification. <i>ChemBioChem</i> , 2011, 12, 1056-1065.	2.6	30
34	Receptor-Mediated Gene Transfer Vectors: Progress Towards Genetic Pharmaceuticals. <i>Current Gene Therapy</i> , 2003, 3, 468-485.	2.0	30
35	Assessment of a dual regulatory role for NO in liver regeneration after partial hepatectomy: protection against apoptosis and retardation of hepatocyte proliferation. <i>FASEB Journal</i> , 2005, 19, 995-997.	0.5	29
36	Synthesis and in vitro inhibition properties of siRNA conjugates carrying glucose and galactose with different presentations. <i>Molecular Diversity</i> , 2011, 15, 751-757.	3.9	28

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37	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. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2002, 1572, 37-44.	2.4	26
38	Synthesis of Oligonucleotides Carrying Amino Lipid Groups at the 3'-End for RNA Interference Studies. <i>Journal of Organic Chemistry</i> , 2010, 75, 6806-6813.	3.2	26
39	Functionally Enhanced siRNA Targeting TNF α Attenuates DSS-induced Colitis and TLR-mediated Immunostimulation in Mice. <i>Molecular Therapy</i> , 2012, 20, 382-390.	8.2	25
40	Phosphoenolpyruvate from Glycolysis and PEPCK Regulate Cancer Cell Fate by Altering Cytosolic Ca ²⁺ . <i>Cells</i> , 2020, 9, 18.	4.1	23
41	Axon-mediated gene transfer of retinal ganglion cells <i>in vivo</i> . , 1997, 32, 111-112.		22
42	PEPCK-M recoups tumor cell anabolic potential in a PKC δ -dependent manner. <i>Cancer & Metabolism</i> , 2021, 9, 1.	5.0	20
43	Overexpression of ubiquitous 6-phosphofructo-2-kinase in the liver of transgenic mice results in weight gain. <i>Biochemical and Biophysical Research Communications</i> , 2008, 365, 291-297.	2.1	18
44	Synthesis of Lipid-Oligonucleotide Conjugates for RNA Interference Studies. <i>Chemistry and Biodiversity</i> , 2011, 8, 287-299.	2.1	18
45	Fructose 1,6-bisphosphate reduced TNF α -induced apoptosis in galactosamine sensitized rat hepatocytes through activation of nitric oxide and cGMP production. <i>European Journal of Pharmacology</i> , 2009, 610, 128-133.	3.5	17
46	PEPCK-C reexpression in the liver counters neonatal hypoglycemia in Pck1 del/del mice, unmasking role in non-gluconeogenic tissues. <i>Journal of Physiology and Biochemistry</i> , 2017, 73, 89-98.	3.0	14
47	Stepwise synthesis of RNA conjugates carrying peptide sequences for RNA interference studies. <i>Molecular Diversity</i> , 2009, 13, 287-293.	3.9	13
48	Short-Fiber Protein of Ad40 Confers Enteric Tropism and Protection Against Acidic Gastrointestinal Conditions. <i>Human Gene Therapy Methods</i> , 2013, 24, 195-204.	2.1	13
49	p38 β function in osteoblasts influences adipose tissue homeostasis. <i>FASEB Journal</i> , 2015, 29, 1414-1425.	0.5	13
50	Copolymers of poly-l-lysine with serine and tryptophan form stable DNA vectors: implications for receptor-mediated gene transfer. <i>Journal of Controlled Release</i> , 2005, 102, 277-291.	9.9	12
51	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. , <i>Journal of Nutrition</i> , 2009, 139, 2257-2265.	2.9	12
52	Specific Jak3 Downregulation in Lymphocytes Impairs β c Cytokine Signal Transduction and Alleviates Antigen-driven Inflammation <i>In Vivo</i> . <i>Molecular Therapy - Nucleic Acids</i> , 2012, 1, e42.	5.1	12
53	Branched RNA: A New Architecture for RNA Interference. <i>Journal of Nucleic Acids</i> , 2011, 2011, 1-7.	1.2	11
54	New antidepressant strategy based on acute siRNA silencing of 5-HT1A autoreceptors. <i>Molecular Psychiatry</i> , 2012, 17, 567-567.	7.9	11

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55	Aspirin inhibits NF- κ B activation in a glycolysis-depleted lung epithelial cell line. <i>European Journal of Pharmacology</i> , 2005, 517, 158-164.	3.5	10
56	Specific expression of pfkfb4 gene in spermatogonia germ cells and analysis of its 5'-flanking region. <i>FEBS Letters</i> , 2005, 579, 357-362.	2.8	10
57	Characterization of a new liver- and kidney-specific pfkfb3 isozyme that is downregulated by cell proliferation and dedifferentiation. <i>Biochemical and Biophysical Research Communications</i> , 2008, 367, 748-754.	2.1	10
58	Synthesis and <i>in vitro</i> Inhibition Properties of siRNA Conjugates Carrying Acridine and Quindoline Moieties. <i>Chemistry and Biodiversity</i> , 2012, 9, 557-566.	2.1	9
59	Pharmacology and preclinical validation of a novel anticancer compound targeting PEPCK-M. <i>Biomedicine and Pharmacotherapy</i> , 2020, 121, 109601.	5.6	9
60	Synthesis of triheptanoin and formulation as a solid diet for rodents. <i>European Journal of Lipid Science and Technology</i> , 2012, 114, 889-895.	1.5	5
61	Glutathione content and adaptation to endogenously induced energy depletion in Mv1Lu cells. <i>Free Radical Biology and Medicine</i> , 2004, 36, 1555-1565.	2.9	4
62	β Cell-specific deletion of Zfp148 improves nutrient-stimulated β cell Ca ²⁺ responses. <i>JCI Insight</i> , 2022, 7, .	5.0	4
63	Functional Characterization of the Human Mariner Transposon Hsmar2. <i>PLoS ONE</i> , 2013, 8, e73227.	2.5	3
64	Liver Glucokinase A456V Induces Potent Hypoglycemia without Dyslipidemia through a Paradoxical Induction of the Catalytic Subunit of Glucose-6-Phosphatase. <i>International Journal of Endocrinology</i> , 2011, 2011, 1-12.	1.5	2
65	Inside Cover: Effect of North Bicyclo[3.1.0]hexane 2'-Deoxy-pseudosugars on RNA Interference: A Novel Class of siRNA Modification (<i>ChemBioChem</i> 7/2011). <i>ChemBioChem</i> , 2011, 12, 974-974.	2.6	0
66	An evaluation of receptor-mediated gene transfer using synthetic DNA-ligand complexes. , 1994, , 209-220.		0