JosÃ© Alberto Carrodeguas

List of Publications by Year
in descending order

33 papers	948 citations	430874 18 h-index	454955 30 g-index
33 all docs	33 docs citations	33 times ranked	1402 citing authors

#	Article	IF	Citations
1	Self-acetylation at the active site of phosphoenolpyruvate carboxykinase (PCK1) controls enzyme activity. Journal of Biological Chemistry, 2021, 296, 100205.	3.4	5
2	Design, Synthesis, and Efficacy Testing of Nitroethylene- and 7-Nitrobenzoxadiazol-Based Flavodoxin Inhibitors against Helicobacter pylori Drug-Resistant Clinical Strains and in Helicobacter pylori-Infected Mice. Journal of Medicinal Chemistry, 2019, 62, 6102-6115.	6.4	23
3	Dynamic Acetylation of Phosphoenolpyruvate Carboxykinase Toggles Enzyme Activity between Gluconeogenic and Anaplerotic Reactions. Molecular Cell, 2018, 71, 718-732.e9.	9.7	45
4	O-GlcNAcylation mediates the control of cytosolic phosphoenolpyruvate carboxykinase activity via Pgc1Î±. PLoS ONE, 2017, 12, e0179988.	2.5	5
5	Benzbromarone, Quercetin, and Folic Acid Inhibit Amylin Aggregation. International Journal of Molecular Sciences, 2016, 17, 964.	4.1	38
6	Kinetic and functional properties of human mitochondrial phosphoenolpyruvate carboxykinase. Biochemistry and Biophysics Reports, 2016, 7, 124-129.	1.3	12
7	c.A2456C-substitution in Pck1 changes the enzyme kinetic and functional properties modifying fat distribution in pigs. Scientific Reports, 2016, 6, 19617.	3.3	21
8	Early growth response 1 (EGR-1) is a transcriptional regulator of mitochondrial carrier homolog 1 (MTCH 1)/presenilin 1-associated protein (PSAP). Gene, 2016, 578, 52-62.	2.2	7
9	The closed conformation of the LDL receptor is destabilized by the low Ca⁺⁺ concentration but favored by the high Mg⁺⁺ concentration in the endosome. FEBS Letters, 2015, 589, 3534-3540.	2.8	5
10	Allelic frequencies of NR6A1 and VRTN, two genes that affect vertebrae number in diverse pig breeds: A study of the effects of the VRTN insertion on phenotypic traits of a DurocÃ—Landraceâ€“Large White cross. Meat Science, 2015, 100, 150-155.	5.5	29
11	Extending in silico mechanism-of-action analysis by annotating targets with pathways: application to cellular cytotoxicity readouts. Future Medicinal Chemistry, 2014, 6, 2029-2056.	2.3	19
12	Optical absorption response of chemically modified single-walled carbon nanotubes upon ultracentrifugation in various dispersants. Carbon, 2014, 66, 105-118.	10.3	25
13	Allelic frequencies of <scp>PRKAG</scp>3 in several pig breeds and its technological consequences on a <scp>D</scp>urocÂÂ—Â<scp>L</scp>andraceâ€<scp>L</scp>arge <scp>W</scp>hite cross. Journal of Animal Breeding and Genetics, 2013, 130, 382-393.	2.0	10
14	Reducing the Standard Deviation in Multiple-Assay Experiments Where the Variation Matters but the Absolute Value Does Not. PLoS ONE, 2013, 8, e78205.	2.5	5
15	Discovery of Novel Inhibitors of Amyloid Î²-Peptide 1â€“42 Aggregation. Journal of Medicinal Chemistry, 2012, 55, 9521-9530.	6.4	39
16	Early postmortem gene expression and its relationship to composition and quality traits in pig Longissimus dorsi muscle1. Journal of Animal Science, 2012, 90, 3325-3336.	0.5	4
17	Identification of Specific Pluripotent Stem Cell Deathâ€”Inducing Small Molecules by Chemical Screening. Stem Cell Reviews and Reports, 2012, 8, 116-127.	5.6	18
18	Protein oligomerization mediated by the transmembrane carboxyl terminal domain of Bcl-XL. FEBS Letters, 2011, 585, 2935-2942.	2.8	14

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19	The influence of diet, sex, IGF2 and RYR1 genotypes and anatomical location on pork loin composition. Journal of Food Composition and Analysis, 2010, 23, 307-313.	3.9	6
20	Exposure of any of two proapoptotic domains of presenilin 1-associated protein/mitochondrial carrier homolog 1 on the surface of mitochondria is sufficient for induction of apoptosis in a Bax/Bak-independent manner. European Journal of Cell Biology, 2008, 87, 325-334.	3.6	18
21	Interaction of MAP17 with NHERF3/4 induces translocation of the renal Na/Pi IIa transporter to the trans-Golgi. American Journal of Physiology - Renal Physiology, 2007, 292, F230-F242.	2.7	48
22	Two isoforms of PSAP/MTCH1 share two proapoptotic domains and multiple internal signals for import into the mitochondrial outer membrane. American Journal of Physiology - Cell Physiology, 2007, 293, C1347-C1361.	4.6	23
23	Allelic incidence in several pig breeds of a missense variant of pig melanocortin-4 receptor (MC4R) gene associated with carcass and productive traits; its relation to IGF2 genotype. Meat Science, 2006, 73, 144-150.	5.5	26
24	Functional Human Mitochondrial DNA Polymerase Î³ Forms a Heterotrimer. Journal of Biological Chemistry, 2006, 281, 374-382.	3.4	134
25	A real time PCR (RT-PCR) alternative assay to detect the T/C mutation in position 1843 of the ryanodine receptor gene. Meat Science, 2005, 70, 395-398.	5.5	4
26	Incidence in diverse pig populations of an IGF2 mutation with potential influence on meat quality and quantity: An assay based on real time PCR (RT-PCR). Meat Science, 2005, 71, 577-582.	5.5	30
27	The chick embryo appears as a natural model for research in beta-amyloid precursor protein processing. Neuroscience, 2005, 134, 1285-1300.	2.3	33
28	DNA Binding Properties of Human pol Î³B. Journal of Biological Chemistry, 2002, 277, 50008-50014.	3.4	50
29	Crystal Structure and Deletion Analysis Show that the Accessory Subunit of Mammalian DNA Polymerase Î³, PolÎ³B, Functions as a Homodimer. Molecular Cell, 2001, 7, 43-54.	9.7	135
30	Protein sequences conserved in prokaryotic aminoacyl-tRNA synthetases are important for the activity of the processivity factor of human mitochondrial DNA polymerase. Nucleic Acids Research, 2000, 28, 1237-1244.	14.5	44
31	Artemia Mitochondrial Genome: Molecular Biology and Evolutive Considerations. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1997, 117, 357-366.	1.6	11
32	Mitochondrial Transcription Initiation in the Crustacean Artemia franciscana. FEBS Journal, 1997, 250, 514-523.	0.2	16
33	The gamma subfamily of DNA polymerases: cloning of a developmentally regulated cDNA encoding Xenopus laevis mitochondrial DNA polymerase gamma. Nucleic Acids Research, 1996, 24, 1481-1488.	14.5	46