

Raul V Duran

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

7,489
citations

394286

19
h-index

395590

33
g-index

34
all docs

34
docs citations

34
times ranked

18084
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Targeting metabolic transformation for cancer therapy. <i>Nature Reviews Cancer</i> , 2010, 10, 267-277.	12.8	969
3	Glutaminolysis Activates Rag-mTORC1 Signaling. <i>Molecular Cell</i> , 2012, 47, 349-358.	4.5	563
4	Metabolic transformation in cancer. <i>Carcinogenesis</i> , 2009, 30, 1269-1280.	1.3	206
5	HIF-independent role of prolyl hydroxylases in the cellular response to amino acids. <i>Oncogene</i> , 2013, 32, 4549-4556.	2.6	106
6	Glutaminolysis and autophagy in cancer. <i>Autophagy</i> , 2015, 11, 1198-1208.	4.3	104
7	Regulation of TOR by small GTPases. <i>EMBO Reports</i> , 2012, 13, 121-128.	2.0	84
8	Prolyl hydroxylases as regulators of cell metabolism. <i>Biochemical Society Transactions</i> , 2009, 37, 291-294.	1.6	79
9	Metformin targets gastric cancer stem cells. <i>European Journal of Cancer</i> , 2017, 84, 193-201.	1.3	79
10	The Efficient Functioning of Photosynthesis and Respiration in <i>Synechocystis</i> sp. PCC 6803 Strictly Requires the Presence of either Cytochrome c6 or Plastocyanin. <i>Journal of Biological Chemistry</i> , 2004, 279, 7229-7233.	1.6	73
11	An evolutionary analysis of the reaction mechanisms of photosystem I reduction by cytochrome c6 and plastocyanin. <i>Bioelectrochemistry</i> , 2002, 55, 41-45.	2.4	66
12	mTORC1 inhibition in cancer cells protects from glutaminolysis-mediated apoptosis during nutrient limitation. <i>Nature Communications</i> , 2017, 8, 14124.	5.8	62
13	Glutaminolysis feeds mTORC1. <i>Cell Cycle</i> , 2012, 11, 4107-4108.	1.3	55
14	Redox stress is not essential for the pseudo-hypoxic phenotype of succinate dehydrogenase deficient cells. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 567-572.	0.5	44
15	Selective Engineering of Linkage-Specific $\pm 2,6$ -N-Linked Sialoproteins Using Sydnone-Modified Sialic Acid Bioorthogonal Reporters. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4281-4285.	7.2	34
16	Prolyl hydroxylase domain enzymes and their role in cell signaling and cancer metabolism. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 80, 71-80.	1.2	31
17	ELA/APELA precursor cleaved by furin displays tumor suppressor function in renal cell carcinoma through mTORC1 activation. <i>JCI Insight</i> , 2020, 5, .	2.3	25
18	Respiratory cytochromecoxidase can be efficiently reduced by the photosynthetic redox proteins cytochromec6and plastocyanin in cyanobacteria. <i>FEBS Letters</i> , 2005, 579, 3565-3568.	1.3	24

#	ARTICLE	IF	CITATIONS
19	Glutamine, MTOR and autophagy: a multiconnection relationship. <i>Autophagy</i> , 2022, 18, 2749-2750.	4.3	22
20	A proteomic approach to iron and copper homeostasis in cyanobacteria. <i>Briefings in Functional Genomics & Proteomics</i> , 2008, 6, 322-329.	3.8	19
21	Two parallel pathways connect glutamine metabolism and mTORC1 activity to regulate glutamoptosis. <i>Nature Communications</i> , 2021, 12, 4814.	5.8	19
22	Leucyl-tRNA synthetase: double duty in amino acid sensing. <i>Cell Research</i> , 2012, 22, 1207-1209.	5.7	18
23	Downregulation of Glutamine Synthetase, not glutaminolysis, is responsible for glutamine addiction in Notch1-driven acute lymphoblastic leukemia. <i>Molecular Oncology</i> , 2021, 15, 1412-1431.	2.1	16
24	A Laser Flash-Induced Kinetic Analysis of in Vivo Photosystem I Reduction by Site-Directed Mutants of Plastocyanin and Cytochrome c6 in <i>Synechocystis</i> sp. PCC 6803. <i>Biochemistry</i> , 2006, 45, 1054-1060.	1.2	15
25	Glyconanoparticle-DNA Interactions: An Atomic Force Microscopy Study. <i>IEEE Transactions on Nanobioscience</i> , 2007, 6, 309-318.	2.2	15
26	Glutamoptosis: A new cell death mechanism inhibited by autophagy during nutritional imbalance. <i>Autophagy</i> , 2017, 13, 1078-1079.	4.3	14
27	mTOR Inhibition via Displacement of Phosphatidic Acid Induces Enhanced Cytotoxicity Specifically in Cancer Cells. <i>Cancer Research</i> , 2018, 78, 5384-5397.	0.4	14
28	In vivo photosystem I reduction in thermophilic and mesophilic cyanobacteria: The thermal resistance of the process is limited by factors other than the unfolding of the partners. <i>Biochemical and Biophysical Research Communications</i> , 2005, 334, 170-175.	1.0	13
29	Escaping mTOR inhibition for cancer therapy: Tumor suppressor functions of mTOR. <i>Molecular and Cellular Oncology</i> , 2017, 4, e1297284.	0.3	9
30	Laparoscopic Sleeve Gastrectomy in Patients with Severe Obesity Restores Adaptive Responses Leading to Nonalcoholic Steatohepatitis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7830.	1.8	4
31	TEMPORARY REMOVAL: Glutaminolysis-induced mTORC1 activation drives non-alcoholic steatohepatitis progression. <i>Journal of Hepatology</i> , 2021, , .	1.8	3
32	A Method for Unsupervised Semi-Quantification of Immunohistochemical Staining with Beta Divergences. <i>Entropy</i> , 2022, 24, 546.	1.1	2