

Jose Miguel Lizcano

List of Publications by Year in descending order

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87
papers

6,191
citations

109321

35
h-index

76900

74
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93
all docs

93
docs citations

93
times ranked

8570
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50,742 1,430	9.1	10,742
2	LKB1 is a master kinase that activates 13 kinases of the AMPK subfamily, including MARK/PAR-1. EMBO Journal, 2004, 23, 833-843.	7.8	1,201
3	The insulin signalling pathway. Current Biology, 2002, 12, R236-R238.	3.9	242
4	Regulation of BAD by cAMP-dependent protein kinase is mediated via phosphorylation of a novel site, Ser155. Biochemical Journal, 2000, 349, 547-557.	3.7	241
5	Phosphorylation of the Protein Kinase Mutated in Peutz-Jeghers Cancer Syndrome, LKB1/STK11, at Ser431 by p90RSK and cAMP-dependent Protein Kinase, but Not Its Farnesylation at Cys433, Is Essential for LKB1 to Suppress Cell Growth. Journal of Biological Chemistry, 2001, 276, 19469-19482.	3.4	234
6	Regulation of BAD by cAMP-dependent protein kinase is mediated via phosphorylation of a novel site, Ser155. Biochemical Journal, 2000, 349, 547.	3.7	189
7	High resolution crystal structure of the human PDK1 catalytic domain defines the regulatory phosphopeptide docking site. EMBO Journal, 2002, 21, 4219-4228.	7.8	176
8	Role of Semicarbazide-sensitive Amine Oxidase on Glucose Transport and GLUT4 Recruitment to the Cell Surface in Adipose Cells. Journal of Biological Chemistry, 1998, 273, 8025-8032.	3.4	148
9	Identification of the sucrose non-fermenting related kinase SNRK, as a novel LKB1 substrate. FEBS Letters, 2005, 579, 1417-1423.	2.8	137
10	Dopaminergic and Glutamatergic Signaling Crosstalk in Huntington's Disease Neurodegeneration: The Role of p25/Cyclin-Dependent Kinase 5. Journal of Neuroscience, 2008, 28, 10090-10101.	3.6	112
11	Molecular Basis for the Substrate Specificity of NIMA-related Kinase-6 (NEK6). Journal of Biological Chemistry, 2002, 277, 27839-27849.	3.4	92
12	Discovery of a selective inhibitor of doublecortin like kinase 1. Nature Chemical Biology, 2020, 16, 635-643.	8.0	84
13	High-Content Peptide Microarrays for Deciphering Kinase Specificity and Biology. Angewandte Chemie - International Edition, 2004, 43, 2671-2674.	13.8	81
14	Inhibition of monoamine oxidase A and B activities by imidazol(ine)/guanidine drugs, nature of the interaction and distinction from I2 -imidazoline receptors in rat liver. British Journal of Pharmacology, 1997, 121, 901-912.	5.4	79
15	Overexpression of semicarbazide sensitive amine oxidase in the cerebral blood vessels in patients with Alzheimer's disease and cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy. Neuroscience Letters, 2002, 321, 21-24.	2.1	74
16	The anti-cancer drug ABTL0812 induces ER stress-mediated cytotoxic autophagy by increasing dihydroceramide levels in cancer cells. Autophagy, 2021, 17, 1349-1366.	9.1	72
17	Purification and characterization of membrane-bound semicarbazide-sensitive amine oxidase (SSAO) from bovine lung. Biochemical Journal, 1998, 331, 69-78.	3.7	71
18	Identification of dual mTORC1 and mTORC2 inhibitors in melanoma cells: Prodigiosin vs. obatoclax. Biochemical Pharmacology, 2012, 83, 489-496.	4.4	70

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19	Canonical and Kinase Activity-Independent Mechanisms for Extracellular Signal-Regulated Kinase 5 (ERK5) Nuclear Translocation Require Dissociation of Hsp90 from the ERK5-Cdc37 Complex. <i>Molecular and Cellular Biology</i> , 2013, 33, 1671-1686.	2.3	66
20	Tissue Activity and Cellular Localization of Human Semicarbazide-sensitive Amine Oxidase. <i>Journal of Histochemistry and Cytochemistry</i> , 2001, 49, 209-217.	2.5	64
21	Insulin-induced Drosophila S6 kinase activation requires phosphoinositide 3-kinase and protein kinase B. <i>Biochemical Journal</i> , 2003, 374, 297-306.	3.7	63
22	Secreted and Transmembrane Klotho Isoforms Have Different Spatio-Temporal Profiles in the Brain during Aging and Alzheimer's Disease Progression. <i>PLoS ONE</i> , 2015, 10, e0143623.	2.5	60
23	Amine oxidase substrates mimic several of the insulin effects on adipocyte differentiation in 3T3 F442A cells. <i>Biochemical Journal</i> , 2001, 356, 769-777.	3.7	58
24	The New Antitumor Drug ABTL0812 Inhibits the Akt/mTORC1 Axis by Upregulating Tribbles-3 Pseudokinase. <i>Clinical Cancer Research</i> , 2016, 22, 2508-2519.	7.0	58
25	Neuregulin Signaling on Glucose Transport in Muscle Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 12260-12268.	3.4	55
26	Inhibition of bovine lung semicarbazide-sensitive amine oxidase (SSAO) by some hydrazine derivatives. <i>Biochemical Pharmacology</i> , 1996, 52, 187-195.	4.4	54
27	ERK5 and Cell Proliferation: Nuclear Localization Is What Matters. <i>Frontiers in Cell and Developmental Biology</i> , 2016, 4, 105.	3.7	54
28	A Spectrophotometric Method for Determining the Oxidative Deamination of Methylamine by the Amine Oxidases. <i>Analytical Biochemistry</i> , 2000, 286, 75-79.	2.4	47
29	Structural determinants for ERK5 (MAPK7) and leucine rich repeat kinase 2 activities of benzo[e]pyrimido-[5,4-b]diazepine-6(11H)-ones. <i>European Journal of Medicinal Chemistry</i> , 2013, 70, 758-767.	5.5	45
30	Structural and Atropisomeric Factors Governing the Selectivity of Pyrimido-benzodiazepinones as Inhibitors of Kinases and Bromodomains. <i>ACS Chemical Biology</i> , 2018, 13, 2438-2448.	3.4	44
31	Amine oxidase substrates mimic several of the insulin effects on adipocyte differentiation in 3T3 F442A cells. <i>Biochemical Journal</i> , 2001, 356, 769.	3.7	44
32	Alternative ERK5 regulation by phosphorylation during the cell cycle. <i>Cellular Signalling</i> , 2010, 22, 1829-1837.	3.6	43
33	Semicarbazide-sensitive amine oxidase (SSAO) from human and bovine cerebrovascular tissues: biochemical and immunohistological characterization. <i>Neurochemistry International</i> , 1998, 33, 415-423.	3.8	40
34	The Small GTPase RAC1/CED-10 Is Essential in Maintaining Dopaminergic Neuron Function and Survival Against α -Synuclein-Induced Toxicity. <i>Molecular Neurobiology</i> , 2018, 55, 7533-7552.	4.0	40
35	Interaction of PDK1 with Phosphoinositides Is Essential for Neuronal Differentiation but Dispensable for Neuronal Survival. <i>Molecular and Cellular Biology</i> , 2013, 33, 1027-1040.	2.3	38
36	Contribution of different amine oxidases to the metabolism of dopamine in bovine retina. <i>Biochemical Pharmacology</i> , 1991, 42, 2355-2361.	4.4	30

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37	Amine oxidase activities in rat breast cancer induced experimentally with 7,12-dimethylbenz(1±)anthracene. <i>Biochemical Pharmacology</i> , 1991, 42, 263-269.	4.4	30
38	Therapeutic potential of the new TRIB3-mediated cell autophagy anticancer drug ABTL0812 in endometrial cancer. <i>Gynecologic Oncology</i> , 2019, 153, 425-435.	1.4	30
39	X-ray Crystal Structure of ERK5 (MAPK7) in Complex with a Specific Inhibitor. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 4413-4421.	6.4	29
40	The oxidation of dopamine by the semicarbazide-sensitive amine oxidase (SSAO) from rat vas deferens. <i>Biochemical Pharmacology</i> , 1991, 41, 1107-1110.	4.4	28
41	Inhibition of Monoamine Oxidase from Bovine Retina by 1 ² -Carbolines. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 46, 809-813.	2.4	27
42	Akt2 interacts with Snail1 in the E-cadherin promoter. <i>Oncogene</i> , 2012, 31, 4022-4033.	5.9	27
43	Mutation of the 3-Phosphoinositide-Dependent Protein Kinase 1 (PDK1) Substrate-Docking Site in the Developing Brain Causes Microcephaly with Abnormal Brain Morphogenesis Independently of Akt, Leading to Impaired Cognition and Disruptive Behaviors. <i>Molecular and Cellular Biology</i> , 2016, 36, 2967-2982.	2.3	27
44	Characterization of the TLR Family in <i>Branchiostoma lanceolatum</i> and Discovery of a Novel TLR22-Like Involved in dsRNA Recognition in <i>Amphioxus</i> . <i>Frontiers in Immunology</i> , 2018, 9, 2525.	4.8	25
45	SUMOylation Is Required for ERK5 Nuclear Translocation and ERK5-Mediated Cancer Cell Proliferation. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2203.	4.1	22
46	Brain Specific Kinase-1 BRSK1/SAD-B associates with lipid rafts: modulation of kinase activity by lipid environment. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011, 1811, 1124-1135.	2.4	20
47	Oncosuppressive functions of tribbles pseudokinase 3. <i>Biochemical Society Transactions</i> , 2015, 43, 1122-1126.	3.4	20
48	Genetic manipulation of LKB1 elicits lethal metastatic prostate cancer. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	19
49	The peroxisomal fatty acid transporter ABCD1/PMP-4 is required in the <i>C. elegans</i> hypodermis for axonal maintenance: A worm model for adrenoleukodystrophy. <i>Free Radical Biology and Medicine</i> , 2020, 152, 797-809.	2.9	19
50	Localization of monoamine oxidase A and B and semicarbazide-sensitive amine oxidase in human peripheral tissues. <i>Inflammopharmacology</i> , 2003, 11, 111-117.	3.9	18
51	STK11 (LKB1) missense somatic mutant isoforms promote tumor growth, motility and inflammation. <i>Communications Biology</i> , 2020, 3, 366.	4.4	17
52	Activation of human lung semicarbazide sensitive amine oxidase by a low molecular weight component present in human plasma. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2003, 1638, 278-286.	3.8	16
53	PDR-1/hParkin negatively regulates the phagocytosis of apoptotic cell corpses in <i>Caenorhabditis elegans</i> . <i>Cell Death and Disease</i> , 2014, 5, e1120-e1120.	6.3	16
54	The novel proautophagy anticancer drug ABTL0812 potentiates chemotherapy in adenocarcinoma and squamous non-small cell lung cancer. <i>International Journal of Cancer</i> , 2020, 147, 1163-1179.	5.1	16

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55	Several aspects on the amine oxidation by semicarbazide-sensitive amine oxidase (SSAO) from bovine lung. , 1994, 41, 415-420.		15
56	Protective effect of N-(2-propynyl)-2-(5-benzyloxy-indolyl) methylamine (PF 9601N), a novel MAO-B inhibitor, on dopamine-lesioned PC12 cultured cells. Journal of Pharmacy and Pharmacology, 2010, 55, 713-716.	2.4	12
57	A first-in-human phase I/IIb dose-escalation clinical trial of the autophagy inducer ABTL0812 in patients with advanced solid tumours. European Journal of Cancer, 2021, 146, 87-94.	2.8	12
58	ERK5 Inhibition Induces Autophagy-Mediated Cancer Cell Death by Activating ER Stress. Frontiers in Cell and Developmental Biology, 2021, 9, 742049.	3.7	11
59	Characterization of semicarbazide-sensitive amine oxidase in human subcutaneous adipocytes and search for novel functions. Inflammopharmacology, 2003, 11, 119-126.	3.9	9
60	Editorial: Mitogen Activated Protein Kinases. Frontiers in Cell and Developmental Biology, 2017, 5, 80.	3.7	9
61	The antitumour drug ABTL0812 impairs neuroblastoma growth through endoplasmic reticulum stress-mediated autophagy and apoptosis. Cell Death and Disease, 2020, 11, 773.	6.3	7
62	Amine oxidase activities in chemically-induced mammary cancer in the rat. , 1990, 32, 323-326.		7
63	An ERK5â€œKLF2 signalling module regulates early embryonic gene expression and telomere rejuvenation in stem cells. Biochemical Journal, 2021, 478, 4119-4136.	3.7	7
64	Time-dependent activation of the semicarbazide-sensitive amine oxidase (SSAO) from ox lung microsomes. Biochemical Journal, 2000, 351, 789-794.	3.7	5
65	Semicarbazide-sensitive amine oxidases in pig dental pulp. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2003, 1647, 333-336.	2.3	5
66	Amine oxidase activities in bovine lung. , 1990, 32, 341-344.		4
67	Methuosis Contributes to Jaspine-B-Induced Cell Death. International Journal of Molecular Sciences, 2022, 23, 7257.	4.1	4
68	Studies on the time-dependent activation of microsomal semicarbazide-sensitive amine oxidase. Journal of Neural Transmission Supplementum, 1998, 52, 251-257.	0.5	3
69	Functional Characterization of the Human Mariner Transposon Hsmar2. PLoS ONE, 2013, 8, e73227.	2.5	3
70	Highlights of the 2nd International Symposium on Tribbles and Diseases: tribbles tremble in therapeutics for immunity, metabolism, fundamental cell biology and cancer. Acta Pharmaceutica Sinica B, 2019, 9, 443-454.	12.0	3
71	ABTL0812 enhances antitumor effect of paclitaxel and reverts chemoresistance in tripleâ€œnegative breast cancer models. Cancer Communications, 2022, , .	9.2	3
72	Time-dependent activation of the semicarbazide-sensitive amine oxidase (SSAO) from ox lung microsomes. Biochemical Journal, 2000, 351, 789.	3.7	2

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73	GRP78 Overexpression Triggers PINK1-IP3R-Mediated Neuroprotective Mitophagy. <i>Biomedicines</i> , 2021, 9, 1039.	3.2	2
74	Some properties of semicarbazide-sensitive amine oxidase (SSAO) from human cerebrovascular tissues. <i>Inflammation Research</i> , 2001, 50, 144-145.	4.0	2
75	Determination of recommended phase II dose of ABTL0812, a novel regulator of Akt/mTOR axis, by pharmacokinetic-pharmacodynamic modelling. <i>Annals of Oncology</i> , 2016, 27, vi120.	1.2	1
76	864P Phase II of ABTL0812, a pro-autophagic drug, in combination with paclitaxel and carboplatin (P/C) as first-line treatment in advanced/recurrent endometrial cancer. <i>Annals of Oncology</i> , 2020, 31, S639-S640.	1.2	1
77	Abstract 1805: ABTL0812, a Phase 2 clinical stage pro-autophagy anticancer drug exhibits immunomodulatory effects that modify tumor microenvironment in pancreatic cancer models. , 2021, , .		1
78	1042 ABTL0812, a Dual Inhibitor of mTOR and Dihydrofolate Reductase With High Oral Efficacy and Safety Margin in Human Lung and Pancreatic Cancer Xenograft in Mice. <i>European Journal of Cancer</i> , 2012, 48, S251.	2.8	0
79	Neuronal Growth Factor regulates Brain Specific Kinase 1 expression by inhibiting promoter methylation and promoting Sp1 recruitment. <i>Neurochemistry International</i> , 2018, 120, 213-223.	3.8	0
80	An ERK5-KLF2 Signalling Module Regulates Early Embryonic Gene Expression Dynamics and Stem Cell Rejuvenation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
81	Abstract 922: ABTL0812: A new drug class with oral antitumor action inhibiting mTOR activity and DHFR expression. , 2012, , .		0
82	Effect of ABTL0812, a safe dual inhibitor of mTORC1/C2 and dihydrofolate reductase, on gemcitabine and docetaxel cytotoxicity in pancreatic and lung cancer cells.. <i>Journal of Clinical Oncology</i> , 2013, 31, e13526-e13526.	1.6	0
83	Abstract 672: ABTL0812, a new antitumor drug that inhibits the axis Akt/mTOR through a novel mechanism of action. , 2015, , .		0
84	The first-in-class anti-cancer agent ABTL0812 is effective in preclinical models of human endometrial cancer.. <i>Journal of Clinical Oncology</i> , 2017, 35, e17070-e17070.	1.6	0
85	Development of TRIB3 as a novel preclinical and clinical pharmacodynamic biomarker for ABTL0812.. <i>Journal of Clinical Oncology</i> , 2018, 36, e14556-e14556.	1.6	0
86	Phase 1 of ABTL0812, a proautophagic drug, in combination with paclitaxel and carboplatin at first-line in advanced endometrial cancer and squamous cell lung carcinoma.. <i>Journal of Clinical Oncology</i> , 2019, 37, 3089-3089.	1.6	0
87	Abstract 1234: The anticancer drug ABTL0812 induces cancer cell death by impairing Akt/mTORC1 axis and inducing ER stress-mediated cytotoxic autophagy. , 2020, , .		0