

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	ABTL0812 enhances antitumor effect of paclitaxel and reverts chemoresistance in triple-negative breast cancer models. <i>Cancer Communications</i> , 2022, , .	9.2	3
2	Methuosis Contributes to Jaspine-B-Induced Cell Death. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7257.	4.1	4
3	The anti-cancer drug ABTL0812 induces ER stress-mediated cytotoxic autophagy by increasing dihydroceramide levels in cancer cells. <i>Autophagy</i> , 2021, 17, 1349-1366.	9.1	72
4	A first-in-human phase I/II dose-escalation clinical trial of the autophagy inducer ABTL0812 in patients with advanced solid tumours. <i>European Journal of Cancer</i> , 2021, 146, 87-94.	2.8	12
5	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
6	GRP78 Overexpression Triggers PINK1-IP3R-Mediated Neuroprotective Mitophagy. <i>Biomedicines</i> , 2021, 9, 1039.	3.2	2
7	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 502 1,430	9.1	1,430
8	ERK5 Inhibition Induces Autophagy-Mediated Cancer Cell Death by Activating ER Stress. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 742049.	3.7	11
9	An ERK5-KLF2 signalling module regulates early embryonic gene expression and telomere rejuvenation in stem cells. <i>Biochemical Journal</i> , 2021, 478, 4119-4136.	3.7	7
10	STK11 (LKB1) missense somatic mutant isoforms promote tumor growth, motility and inflammation. <i>Communications Biology</i> , 2020, 3, 366.	4.4	17
11	Genetic manipulation of LKB1 elicits lethal metastatic prostate cancer. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	19
12	The antitumour drug ABTL0812 impairs neuroblastoma growth through endoplasmic reticulum stress-mediated autophagy and apoptosis. <i>Cell Death and Disease</i> , 2020, 11, 773.	6.3	7
13	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
14	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
15	Discovery of a selective inhibitor of doublecortin like kinase 1. <i>Nature Chemical Biology</i> , 2020, 16, 635-643.	8.0	84
16	The novel proautophagy anticancer drug ABTL0812 potentiates chemotherapy in adenocarcinoma and squamous nonsmall cell lung cancer. <i>International Journal of Cancer</i> , 2020, 147, 1163-1179.	5.1	16
17	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
18	Abstract 1234: The anticancer drug ABTL0812 induces cancer cell death by impairing Akt/mTORC1 axis and inducing ER stress-mediated cytotoxic autophagy. , 2020, , .		0

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19	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
20	Highlights of the 2nd International Symposium on Tribbles and Diseases: tribbles tremble in therapeutics for immunity, metabolism, fundamental cell biology and cancer. <i>Acta Pharmaceutica Sinica B</i> , 2019, 9, 443-454.	12.0	3
21	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
22	The Small GTPase RAC1/CED-10 Is Essential in Maintaining Dopaminergic Neuron Function and Survival Against β -Synuclein-Induced Toxicity. <i>Molecular Neurobiology</i> , 2018, 55, 7533-7552.	4.0	40
23	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
24	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
25	Structural and Atropisomeric Factors Governing the Selectivity of Pyrimido-benzodiazipinones as Inhibitors of Kinases and Bromodomains. <i>ACS Chemical Biology</i> , 2018, 13, 2438-2448.	3.4	44
26	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
27	Editorial: Mitogen Activated Protein Kinases. <i>Frontiers in Cell and Developmental Biology</i> , 2017, 5, 80.	3.7	9
28	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
29	ERK5 and Cell Proliferation: Nuclear Localization Is What Matters. <i>Frontiers in Cell and Developmental Biology</i> , 2016, 4, 105.	3.7	54
30	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
31	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
32	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
33	Oncosuppressive functions of tribbles pseudokinase 3. <i>Biochemical Society Transactions</i> , 2015, 43, 1122-1126.	3.4	20
34	Secreted and Transmembrane β -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
35	Abstract 672: ABTL0812, a new antitumor drug that inhibits the axis Akt/mTOR through a novel mechanism of action. , 2015, , .		0
36	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

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37	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
38	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
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	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
41	Functional Characterization of the Human Mariner Transposon Hsmar2. <i>PLoS ONE</i> , 2013, 8, e73227.	2.5	3
42	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
43	Akt2 interacts with Snail1 in the E-cadherin promoter. <i>Oncogene</i> , 2012, 31, 4022-4033.	5.9	27
44	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
45	Identification of dual mTORC1 and mTORC2 inhibitors in melanoma cells: Prodigiosin vs. obatoclax. <i>Biochemical Pharmacology</i> , 2012, 83, 489-496.	4.4	70
46	Abstract 922: ABTL0812: A new drug class with oral antitumor action inhibiting mTOR activity and DHFR expression. , 2012, , .		0
47	Inhibition of Monoamine Oxidase from Bovine Retina by Î ² -Carbolines. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 46, 809-813.	2.4	27
48	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
49	Protective effect of N-(2-propynyl)-2-(5-benzyloxy-indolyl) methylamine (PF 9601N), a novel MAO-B inhibitor, on dopamine-lesioned PC12 cultured cells. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 55, 713-716.	2.4	12
50	Alternative ERK5 regulation by phosphorylation during the cell cycle. <i>Cellular Signalling</i> , 2010, 22, 1829-1837.	3.6	43
51	Dopaminergic and Glutamatergic Signaling Crosstalk in Huntington's Disease Neurodegeneration: The Role of p25/Cyclin-Dependent Kinase 5. <i>Journal of Neuroscience</i> , 2008, 28, 10090-10101.	3.6	112
52	Identification of the sucrose non-fermenting related kinase SNRK, as a novel LKB1 substrate. <i>FEBS Letters</i> , 2005, 579, 1417-1423.	2.8	137
53	Neuregulin Signaling on Glucose Transport in Muscle Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 12260-12268.	3.4	55
54	LKB1 is a master kinase that activates 13 kinases of the AMPK subfamily, including MARK/PAR-1. <i>EMBO Journal</i> , 2004, 23, 833-843.	7.8	1,201

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55	High-Content Peptide Microarrays for Deciphering Kinase Specificity and Biology. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2671-2674.	13.8	81
56	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
57	Characterization of semicarbazide-sensitive amine oxidase in human subcutaneous adipocytes and search for novel functions. <i>Inflammopharmacology</i> , 2003, 11, 119-126.	3.9	9
58	Semicarbazide-sensitive amine oxidases in pig dental pulp. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1647, 333-336.	2.3	5
59	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
60	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
61	Molecular Basis for the Substrate Specificity of NIMA-related Kinase-6 (NEK6). <i>Journal of Biological Chemistry</i> , 2002, 277, 27839-27849.	3.4	92
62	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. <i>Neuroscience Letters</i> , 2002, 321, 21-24.	2.1	74
63	The insulin signalling pathway. <i>Current Biology</i> , 2002, 12, R236-R238.	3.9	242
64	High resolution crystal structure of the human PDK1 catalytic domain defines the regulatory phosphopeptide docking site. <i>EMBO Journal</i> , 2002, 21, 4219-4228.	7.8	176
65	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
66	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. <i>Journal of Biological Chemistry</i> , 2001, 276, 19469-19482.	3.4	234
67	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
68	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
69	Some properties of semicarbazide-sensitive amine oxidase (SSAO) from human cerebrovascular tissues. <i>Inflammation Research</i> , 2001, 50, 144-145.	4.0	2
70	Regulation of BAD by cAMP-dependent protein kinase is mediated via phosphorylation of a novel site, Ser155. <i>Biochemical Journal</i> , 2000, 349, 547.	3.7	189
71	Time-dependent activation of the semicarbazide-sensitive amine oxidase (SSAO) from ox lung microsomes. <i>Biochemical Journal</i> , 2000, 351, 789.	3.7	2
72	Regulation of BAD by cAMP-dependent protein kinase is mediated via phosphorylation of a novel site, Ser155. <i>Biochemical Journal</i> , 2000, 349, 547-557.	3.7	241

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73	Time-dependent activation of the semicarbazide-sensitive amine oxidase (SSAO) from ox lung microsomes. <i>Biochemical Journal</i> , 2000, 351, 789-794.	3.7	5
74	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
75	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
76	Role of Semicarbazide-sensitive Amine Oxidase on Glucose Transport and GLUT4 Recruitment to the Cell Surface in Adipose Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 8025-8032.	3.4	148
77	Studies on the time-dependent activation of microsomal semicarbazide-sensitive amine oxidase. <i>Journal of Neural Transmission Supplementum</i> , 1998, 52, 251-257.	0.5	3
78	Purification and characterization of membrane-bound semicarbazide-sensitive amine oxidase (SSAO) from bovine lung. <i>Biochemical Journal</i> , 1998, 331, 69-78.	3.7	71
79	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. <i>British Journal of Pharmacology</i> , 1997, 121, 901-912.	5.4	79
80	Inhibition of bovine lung semicarbazide-sensitive amine oxidase (SSAO) by some hydrazine derivatives. <i>Biochemical Pharmacology</i> , 1996, 52, 187-195.	4.4	54
81	Several aspects on the amine oxidation by semicarbazide-sensitive amine oxidase (SSAO) from bovine lung. , 1994, 41, 415-420.		15
82	Contribution of different amine oxidases to the metabolism of dopamine in bovine retina. <i>Biochemical Pharmacology</i> , 1991, 42, 2355-2361.	4.4	30
83	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
84	Amine oxidase activities in rat breast cancer induced experimentally with 7,12-dimethylbenz(±)anthracene. <i>Biochemical Pharmacology</i> , 1991, 42, 263-269.	4.4	30
85	Amine oxidase activities in chemically-induced mammary cancer in the rat. , 1990, 32, 323-326.		7
86	Amine oxidase activities in bovine lung. , 1990, 32, 341-344.		4
87	An ERK5-KLF2 Signalling Module Regulates Early Embryonic Gene Expression Dynamics and Stem Cell Rejuvenation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0