

Juan Llopis

List of Publications by Citations

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56
papers

7,658
citations

25
h-index

56
g-index

56
ext. papers

8,178
ext. citations

7.9
avg, IF

5.05
L-index

#	Paper	IF	Citations
56	Fluorescent indicators for Ca ²⁺ based on green fluorescent proteins and calmodulin. <i>Nature</i> , 1997 , 388, 882-7	50.4	2710
55	Measurement of cytosolic, mitochondrial, and Golgi pH in single living cells with green fluorescent proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 6803-8	11.5	914
54	Cell-permeant caged InsP3 ester shows that Ca ²⁺ spike frequency can optimize gene expression. <i>Nature</i> , 1998 , 392, 936-41	50.4	781
53	New biarsenical ligands and tetracysteine motifs for protein labeling in vitro and in vivo: synthesis and biological applications. <i>Journal of the American Chemical Society</i> , 2002 , 124, 6063-76	16.4	773
52	Changes in intramitochondrial and cytosolic pH: early events that modulate caspase activation during apoptosis. <i>Nature Cell Biology</i> , 2000 , 2, 318-25	23.4	599
51	Cameleon calcium indicator reports cytoplasmic calcium dynamics in Arabidopsis guard cells. <i>Plant Journal</i> , 1999 , 19, 735-47	6.9	296
50	Organelle pH studies using targeted avidin and fluorescein-biotin. <i>Chemistry and Biology</i> , 2000 , 7, 197-209		143
49	Ligand-dependent interactions of coactivators steroid receptor coactivator-1 and peroxisome proliferator-activated receptor binding protein with nuclear hormone receptors can be imaged in live cells and are required for transcription. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 4363-8	11.5	133
48	Golgi twins in late mitosis revealed by genetically encoded tags for live cell imaging and correlated electron microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 17777-82	11.5	125
47	Glitazones differentially regulate primary astrocyte and glioma cell survival. Involvement of reactive oxygen species and peroxisome proliferator-activated receptor-gamma. <i>Journal of Biological Chemistry</i> , 2004 , 279, 8976-85	5.4	94
46	Evidence for two pathways of receptor-mediated Ca ²⁺ entry in hepatocytes. <i>Biochemical Journal</i> , 1992 , 284 (Pt 1), 243-7	3.8	87
45	Comparison between the effects of the microsomal Ca(2+)-translocase inhibitors thapsigargin and 2,5-di-(t-butyl)-1,4-benzohydroquinone on cellular calcium fluxes. <i>Biochemical Journal</i> , 1991 , 277 (Pt 2), 553-6	3.8	84
44	Membrane-permeant esters of inositol polyphosphates, chemical syntheses and biological applications. <i>Tetrahedron</i> , 1997 , 53, 12017-12040	2.4	67
43	Cellular regulation of cytosolic group IV phospholipase A2 by phosphatidylinositol bisphosphate levels. <i>Journal of Immunology</i> , 2000 , 164, 5398-402	5.3	67
42	Cytosolic Ca ²⁺ spikes evoked by the thiol reagent thimerosal in both intact and internally perfused single pancreatic acinar cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1992 , 422, 173-8	4.6	62
41	Actin filaments are involved in the maintenance of Golgi cisternae morphology and intra-Golgi pH. <i>Cytoskeleton</i> , 2006 , 63, 778-91		51
40	Red and green aequorins for simultaneous monitoring of Ca ²⁺ signals from two different organelles. <i>Pflugers Archiv European Journal of Physiology</i> , 2008 , 455, 961-70	4.6	50

39	Release of Ca ²⁺ from the endoplasmic reticulum is not the mechanism for bile acid-induced cholestasis and hepatotoxicity in the intact rat liver. <i>Journal of Clinical Investigation</i> , 1990 , 85, 1255-9	15.9	43
38	Red fluorescent protein-aequorin fusions as improved bioluminescent Ca ²⁺ reporters in single cells and mice. <i>PLoS ONE</i> , 2011 , 6, e19520	3.7	39
37	Imaging FRET standards by steady-state fluorescence and lifetime methods. <i>Microscopy Research and Technique</i> , 2007 , 70, 1010-21	2.8	38
36	Glitazones induce astrogloma cell death by releasing reactive oxygen species from mitochondria: modulation of cytotoxicity by nitric oxide. <i>Molecular Pharmacology</i> , 2007 , 72, 407-17	4.3	34
35	Mobilization of the hormone-sensitive calcium pool increases hepatocyte tight junctional permeability in the perfused rat liver. <i>FEBS Letters</i> , 1991 , 280, 84-6	3.8	33
34	Synthetic Lethality Interaction Between Aurora Kinases and CHEK1 Inhibitors in Ovarian Cancer. <i>Molecular Cancer Therapeutics</i> , 2017 , 16, 2552-2562	6.1	32
33	Study of the redox properties of naphthazarin (5,8-dihydroxy-1,4-naphthoquinone) and its glutathionyl conjugate in biological reactions: one- and two-electron enzymatic reduction. <i>Archives of Biochemistry and Biophysics</i> , 1989 , 275, 514-30	4.1	31
32	Receptor-mediated Mn ²⁺ influx in rat hepatocytes: comparison of cells loaded with Fura-2 ester and cells microinjected with Fura-2 salt. <i>Biochemical Journal</i> , 1994 , 302 (Pt 1), 5-9	3.8	28
31	Wide-Field Multi-Parameter FLIM: long-term minimal invasive observation of proteins in living cells. <i>PLoS ONE</i> , 2011 , 6, e15820	3.7	25
30	PKCepsilon induces astrocyte stellation by modulating multiple cytoskeletal proteins and interacting with Rho A signalling pathways: implications for neuroinflammation. <i>European Journal of Neuroscience</i> , 2007 , 25, 1069-78	3.5	24
29	Glutathione depletion by hyperphagia-induced obesity. <i>Life Sciences</i> , 1989 , 45, 183-7	6.8	24
28	Targeting basal-like breast tumors with bromodomain and extraterminal domain (BET) and polo-like kinase inhibitors. <i>Oncotarget</i> , 2017 , 8, 19478-19490	3.3	22
27	Sprouty2 binds Grb2 at two different proline-rich regions, and the mechanism of ERK inhibition is independent of this interaction. <i>Cellular Signalling</i> , 2007 , 19, 2277-85	4.9	20
26	Studying organelle physiology with fusion protein-targeted avidin and fluorescent biotin conjugates. <i>Methods in Enzymology</i> , 2000 , 327, 546-64	1.7	20
25	Two separate plasma membrane Ca ²⁺ carriers participate in receptor-mediated Ca ²⁺ influx in rat hepatocytes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1994 , 1223, 226-33	4.9	20
24	Imaging Ca(2+) activity in mammalian cells and zebrafish with a novel red-emitting aequorin variant. <i>Pflugers Archiv European Journal of Physiology</i> , 2015 , 467, 2031-42	4.6	19
23	Fluorescence resonance energy transfer-based assay for characterization of hepatitis C virus NS3-4A protease activity in live cells. <i>Antimicrobial Agents and Chemotherapy</i> , 2009 , 53, 728-34	5.9	18
22	The droplet technique: measurement of calcium extrusion from single isolated mammalian cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1994 , 428, 664-70	4.6	18

21	Cyclic AMP stimulates Ca ²⁺ entry in rat hepatocytes by interacting with the plasma membrane carriers involved in receptor-mediated Ca ²⁺ influx. <i>Cellular Signalling</i> , 1994 , 6, 493-501	4.9	16
20	Effect of glutathione on the redox transitions of naphthohydroquinone derivatives formed during DT-diaphorase catalysis. <i>Free Radical Research Communications</i> , 1990 , 8, 271-85		16
19	2,5-Di(tert-butyl)-1,4-benzohydroquinone--a novel mobilizer of the inositol 1,4,5-trisphosphate-sensitive Ca ²⁺ pool. <i>Free Radical Research Communications</i> , 1990 , 8, 337-45		16
18	Fluorescent Protein-photoprotein Fusions and Their Applications in Calcium Imaging. <i>Photochemistry and Photobiology</i> , 2017 , 93, 448-465	3.6	13
17	Visualization of phosphatidic acid fluctuations in the plasma membrane of living cells. <i>PLoS ONE</i> , 2014 , 9, e102526	3.7	12
16	Failure of prion protein oxidative folding guides the formation of toxic transmembrane forms. <i>Journal of Biological Chemistry</i> , 2012 , 287, 36693-701	5.4	11
15	Visualization of Mitochondrial Ca Signals in Skeletal Muscle of Zebrafish Embryos with Bioluminescent Indicators. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	10
14	Actin Filaments Are Involved in the Coupling of V0-V1 Domains of Vacuolar H ⁺ -ATPase at the Golgi Complex. <i>Journal of Biological Chemistry</i> , 2016 , 291, 7286-99	5.4	7
13	Mapping Calcium Dynamics in the Heart of Zebrafish Embryos with Ratiometric Genetically Encoded Calcium Indicators. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
12	Eicosanoids released following inhibition of the endoplasmic reticulum Ca ²⁺ pump stimulate Ca ²⁺ efflux in the perfused rat liver. <i>Biochemical Pharmacology</i> , 1993 , 45, 2209-14	6	6
11	Discrimination between alternate membrane protein topologies in living cells using GFP/YFP tagging and pH exchange. <i>Cellular and Molecular Life Sciences</i> , 2010 , 67, 3345-54	10.3	5
10	H7, a protein kinase C inhibitor, increases the glutathione content of neuroblastoma cells. <i>FEBS Letters</i> , 1992 , 303, 19-21	3.8	5
9	Imaging local estrogen production in single living cells with recombinant fluorescent indicators. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 2147-53	11.8	3
8	Potential Benefits of Glitazones for Cancer and Vascular Disease. <i>Current Drug Therapy</i> , 2008 , 3, 111-125.	0.7	2
7	Cardioluminescence in Transgenic Zebrafish Larvae: A Calcium Imaging Tool to Study Drug Effects and Pathological Modeling. <i>Biomedicines</i> , 2021 , 9,	4.8	2
6	Response. <i>Nature Cell Biology</i> , 2000 , 2, E172-3	23.4	1
5	Cardioluminescence in transgenic zebrafish embryos: a Ca ²⁺ imaging tool to study drug effects and pathological modeling		1
4	The p.E152K-STIM1 mutation deregulates Ca signaling contributing to chronic pancreatitis. <i>Journal of Cell Science</i> , 2021 , 134,	5.3	1

- 3 Simultaneous imaging of calcium and contraction in the beating heart of zebrafish larvae..
Theranostics, **2022**, 12, 1012-1029 12.1 ○
- 2 Optimized Aequorin Reconstitution Protocol to Visualize Calcium Ion Transients in the Heart of Transgenic Zebrafish Embryos In Vivo. *Methods in Molecular Biology*, **2022**, 271-280 1.4 ○
- 1 Synthetic lethality interaction between aurora kinases and CHEK1 inhibitors in ovarian cancer..
Journal of Clinical Oncology, **2017**, 35, e17089-e17089 2.2