

Juan Llopis

List of Publications by Year in descending order

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54
papers

8,557
citations

230014

27
h-index

182931

54
g-index

56
all docs

56
docs citations

56
times ranked

10815
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous imaging of calcium and contraction in the beating heart of zebrafish larvae. <i>Theranostics</i> , 2022, 12, 1012-1029.	4.6	6
2	The p.E152K-STIM1 mutation deregulates Ca ²⁺ signaling contributing to chronic pancreatitis. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	4
3	Cardioluminescence in Transgenic Zebrafish Larvae: A Calcium Imaging Tool to Study Drug Effects and Pathological Modeling. <i>Biomedicines</i> , 2021, 9, 1294.	1.4	7
4	Mapping Calcium Dynamics in the Heart of Zebrafish Embryos with Ratiometric Genetically Encoded Calcium Indicators. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6610.	1.8	13
5	Visualization of Mitochondrial Ca ²⁺ Signals in Skeletal Muscle of Zebrafish Embryos with Bioluminescent Indicators. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5409.	1.8	14
6	Fluorescent Protein-photoprotein Fusions and Their Applications in Calcium Imaging. <i>Photochemistry and Photobiology</i> , 2017, 93, 448-465.	1.3	15
7	Synthetic Lethality Interaction Between Aurora Kinases and CHEK1 Inhibitors in Ovarian Cancer. <i>Molecular Cancer Therapeutics</i> , 2017, 16, 2552-2562.	1.9	44
8	Targeting basal-like breast tumors with bromodomain and extraterminal domain (BET) and polo-like kinase inhibitors. <i>Oncotarget</i> , 2017, 8, 19478-19490.	0.8	23
9	Synthetic lethality interaction between aurora kinases and CHEK1 inhibitors in ovarian cancer.. <i>Journal of Clinical Oncology</i> , 2017, 35, e17089-e17089.	0.8	0
10	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, 7286-7299.	1.6	8
11	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, 2031-2042.	1.3	21
12	Visualization of Phosphatidic Acid Fluctuations in the Plasma Membrane of Living Cells. <i>PLoS ONE</i> , 2014, 9, e102526.	1.1	20
13	Failure of Prion Protein Oxidative Folding Guides the Formation of Toxic Transmembrane Forms. <i>Journal of Biological Chemistry</i> , 2012, 287, 36693-36701.	1.6	12
14	Wide-Field Multi-Parameter FLIM: Long-Term Minimal Invasive Observation of Proteins in Living Cells. <i>PLoS ONE</i> , 2011, 6, e15820.	1.1	30
15	Imaging local estrogen production in single living cells with recombinant fluorescent indicators. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2147-2153.	5.3	3
16	Red Fluorescent Protein-Aequorin Fusions as Improved Bioluminescent Ca ²⁺ Reporters in Single Cells and Mice. <i>PLoS ONE</i> , 2011, 6, e19520.	1.1	41
17	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, 3345-3354.	2.4	5
18	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, 728-734.	1.4	22

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19	Red and green aequorins for simultaneous monitoring of Ca ²⁺ signals from two different organelles. Pflugers Archiv European Journal of Physiology, 2008, 455, 961-970.	1.3	54
20	Potential Benefits of Glitazones for Cancer and Vascular Disease. Current Drug Therapy, 2008, 3, 111-125.	0.2	4
21	Glitazones Induce Astrogloma Cell Death by Releasing Reactive Oxygen Species from Mitochondria: Modulation of Cytotoxicity by Nitric Oxide. Molecular Pharmacology, 2007, 72, 407-417.	1.0	40
22	Imaging FRET standards by steady-state fluorescence and lifetime methods. Microscopy Research and Technique, 2007, 70, 1010-1021.	1.2	38
23	PKC μ induces astrocyte stellation by modulating multiple cytoskeletal proteins and interacting with Rho A signalling pathways: implications for neuroinflammation. European Journal of Neuroscience, 2007, 25, 1069-1078.	1.2	25
24	Sprouty2 binds Grb2 at two different proline-rich regions, and the mechanism of ERK inhibition is independent of this interaction. Cellular Signalling, 2007, 19, 2277-2285.	1.7	22
25	Actin filaments are involved in the maintenance of Golgi cisternae morphology and intra-Golgi pH. Cytoskeleton, 2006, 63, 778-791.	4.4	60
26	Golgi twins in late mitosis revealed by genetically encoded tags for live cell imaging and correlated electron microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17777-17782.	3.3	135
27	Glitazones Differentially Regulate Primary Astrocyte and Glioma Cell Survival. Journal of Biological Chemistry, 2004, 279, 8976-8985.	1.6	115
28	New Biarsenical Ligands and Tetracysteine Motifs for Protein Labeling in Vitro and in Vivo: Synthesis and Biological Applications. Journal of the American Chemical Society, 2002, 124, 6063-6076.	6.6	872
29	Studying organelle physiology with fusion protein-targeted avidin and fluorescent biotin conjugates. Methods in Enzymology, 2000, 327, 546-564.	0.4	23
30	Organelle pH studies using targeted avidin and fluorescein-biotin. Chemistry and Biology, 2000, 7, 197-209.	6.2	169
31	Changes in intramitochondrial and cytosolic pH: early events that modulate caspase activation during apoptosis. Nature Cell Biology, 2000, 2, 318-325.	4.6	666
32	Response. Nature Cell Biology, 2000, 2, E172-E173.	4.6	1
33	Cellular Regulation of Cytosolic Group IV Phospholipase A2 by Phosphatidylinositol Bisphosphate Levels. Journal of Immunology, 2000, 164, 5398-5402.	0.4	71
34	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. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 4363-4368.	3.3	138
35	Cameleon calcium indicator reports cytoplasmic calcium dynamics in Arabidopsis guard cells. Plant Journal, 1999, 19, 735-747.	2.8	332
36	Cell-permeant caged InsP3 ester shows that Ca ²⁺ spike frequency can optimize gene expression. Nature, 1998, 392, 936-941.	13.7	836

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37	Measurement of cytosolic, mitochondrial, and Golgi pH in single living cells with green fluorescent proteins. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 6803-6808.	3.3	1,012
38	Membrane-permeant esters of inositol polyphosphates, chemical syntheses and biological applications. Tetrahedron, 1997, 53, 12017-12040.	1.0	76
39	Fluorescent indicators for Ca ²⁺ -based on green fluorescent proteins and calmodulin. Nature, 1997, 388, 882-887.	13.7	3,053
40	The droplet technique: measurement of calcium extrusion from single isolated mammalian cells. Pflugers Archiv European Journal of Physiology, 1994, 428, 664-670.	1.3	23
41	Cyclic AMP stimulates Ca ²⁺ entry in rat hepatocytes by interacting with the plasma membrane carriers involved in receptor-mediated Ca ²⁺ influx. Cellular Signalling, 1994, 6, 493-501.	1.7	16
42	Two separate plasma membrane Ca ²⁺ carriers participate in receptor-mediated Ca ²⁺ influx in rat hepatocytes. Biochimica Et Biophysica Acta - Molecular Cell Research, 1994, 1223, 226-233.	1.9	21
43	Receptor-mediated Mn ²⁺ influx in rat hepatocytes: comparison of cells loaded with Fura-2 ester and cells microinjected with Fura-2 salt. Biochemical Journal, 1994, 302, 5-9.	1.7	31
44	Eicosanoids released following inhibition of the endoplasmic reticulum Ca ²⁺ pump stimulate Ca ²⁺ efflux in the perfused rat liver. Biochemical Pharmacology, 1993, 45, 2209-2214.	2.0	7
45	Evidence for two pathways of receptor-mediated Ca ²⁺ entry in hepatocytes. Biochemical Journal, 1992, 284, 243-247.	1.7	93
46	H7, a protein kinase C inhibitor, increases the glutathione content of neuroblastoma cells. FEBS Letters, 1992, 303, 19-21.	1.3	5
47	Cytosolic Ca ²⁺ spikes evoked by the thiol reagent thimerosal in both intact and internally perfused single pancreatic acinar cells. Pflugers Archiv European Journal of Physiology, 1992, 422, 173-178.	1.3	66
48	Mobilization of the hormone-sensitive calcium pool increases hepatocyte tight junctional permeability in the perfused rat liver. FEBS Letters, 1991, 280, 84-86.	1.3	35
49	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. Biochemical Journal, 1991, 277, 553-556.	1.7	90
50	Effect Of Glutathione On The Redox Transitions Of Naphthohydroquinone Derivatives Formed During Dt-Diaphorase Catalysis. Free Radical Research Communications, 1990, 8, 271-285.	1.8	17
51	2, 5-Di(Tert-Butyl)-1, 4-Benzohydroquinone "A Novel Mobilizer Of The Inositol 1,4,5-Trisphosphate-Sensitive Ca ²⁺ -Pool. Free Radical Research Communications, 1990, 8, 337-345.	1.8	16
52	Release of Ca ²⁺ from the endoplasmic reticulum is not the mechanism for bile acid-induced cholestasis and hepatotoxicity in the intact rat liver.. Journal of Clinical Investigation, 1990, 85, 1255-1259.	3.9	46
53	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. Archives of Biochemistry and Biophysics, 1989, 275, 514-530.	1.4	31
54	Glutathione depletion by hyperphagia-induced obesity. Life Sciences, 1989, 45, 183-187.	2.0	28