

John M Lucoq

List of Publications by Year in descending order

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80
papers

12,178
citations

76326

40
h-index

69250

77
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82
all docs

82
docs citations

82
times ranked

21277
citing authors

#	ARTICLE	IF	CITATIONS
1	Altered ceramide metabolism is a feature in the extracellular vesicle-mediated spread of alpha-synuclein in Lewy body disorders. <i>Acta Neuropathologica</i> , 2021, 142, 961-984.	7.7	31
2	Developing Electron Microscopy Tools for Profiling Plasma Lipoproteins Using Methyl Cellulose Embedment, Machine Learning and Immunodetection of Apolipoprotein B and Apolipoprotein(a). <i>International Journal of Molecular Sciences</i> , 2020, 21, 6373.	4.1	2
3	The invasive cell coat at the microsporidian <i>Trachipleistophora hominis</i> host cell interface contains secreted hexokinases. <i>MicrobiologyOpen</i> , 2019, 8, e00696.	3.0	16
4	Enhanced imaging of lipid rich nanoparticles embedded in methylcellulose films for transmission electron microscopy using mixtures of heavy metals. <i>Micron</i> , 2017, 99, 40-48.	2.2	28
5	Evolutionary conservation and in vitro reconstitution of microsporidian iron-sulfur cluster biosynthesis. <i>Nature Communications</i> , 2017, 8, 13932.	12.8	67
6	Biosynthesis of magnetic nanoparticles by human mesenchymal stem cells following transfection with the magnetotactic bacterial gene <i>mms6</i> . <i>Scientific Reports</i> , 2017, 7, 39755.	3.3	33
7	Quantifying Golgi structure using EM: combining volume-SEM and stereology for higher throughput. <i>Histochemistry and Cell Biology</i> , 2017, 147, 653-669.	1.7	26
8	Nanoparticle suspensions enclosed in methylcellulose: a new approach for quantifying nanoparticles in transmission electron microscopy. <i>Scientific Reports</i> , 2016, 6, 25275.	3.3	18
9	Phospholipase C-2 interacts with nuclear and cytoplasmic LIMK-1 during retinoic acid-stimulated neurite growth. <i>Histochemistry and Cell Biology</i> , 2016, 145, 163-173.	1.7	5
10	Localizing the lipid products of PI3K ³ in neutrophils. <i>Advances in Biological Regulation</i> , 2016, 60, 36-45.	2.3	11
11	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
12	mTOR activates the VPS-34 UVRAG complex to regulate autolysosomal tubulation and cell survival. <i>EMBO Journal</i> , 2015, 34, 2272-2290.	7.8	148
13	Systems biology in 3D space enter the morphome. <i>Trends in Cell Biology</i> , 2015, 25, 59-64.	7.9	19
14	From gross anatomy to the nanomorphome: stereological tools provide a paradigm for advancing research in quantitative morphomics. <i>Journal of Anatomy</i> , 2015, 226, 309-321.	1.5	14
15	Antibodies for immunolabeling by light and electron microscopy: not for the faint hearted. <i>Histochemistry and Cell Biology</i> , 2014, 142, 347-360.	1.7	65
16	Plasma Membrane-Located Purine Nucleotide Transport Proteins Are Key Components for Host Exploitation by Microsporidian Intracellular Parasites. <i>PLoS Pathogens</i> , 2014, 10, e1004547.	4.7	69
17	Strategies for maximizing ATP supply in the microsporidian <i>Ncephalitozoon cuniculi</i> : direct binding of mitochondria to the parasitophorous vacuole and clustering of the mitochondrial porin VDAC. <i>Cellular Microbiology</i> , 2014, 16, 565-579.	2.1	50
18	Probing the Structure of the Mechanosensitive Channel of Small Conductance in Lipid Bilayers with Pulsed Electron-Electron Double Resonance. <i>Biophysical Journal</i> , 2014, 106, 834-842.	0.5	48

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19	Real-time probing of β -amyloid self-assembly and inhibition using fluorescence self-quenching between neighbouring dyes. <i>Molecular BioSystems</i> , 2014, 10, 34-44.	2.9	37
20	Monitoring the Rab27 associated exosome pathway using nanoparticle tracking analysis. <i>Experimental Cell Research</i> , 2013, 319, 1706-1713.	2.6	66
21	The dynamics of engineered resident proteins in the mammalian Golgi complex relies on cisternal maturation. <i>Journal of Cell Biology</i> , 2013, 201, 1027-1036.	5.2	68
22	Cutting a fine figure. <i>Autophagy</i> , 2013, 9, 1443-1448.	9.1	49
23	The Genome of the Obligate Intracellular Parasite <i>Trachipleistophora hominis</i> : New Insights into Microsporidian Genome Dynamics and Reductive Evolution. <i>PLoS Pathogens</i> , 2012, 8, e1002979.	4.7	127
24	Can data provenance go the full monty?. <i>Trends in Cell Biology</i> , 2012, 22, 229-230.	7.9	22
25	Multiple-labelling immunoEM using different sizes of colloidal gold: alternative approaches to test for differential distribution and colocalization in subcellular structures. <i>Histochemistry and Cell Biology</i> , 2011, 135, 317-326.	1.7	20
26	Dendritic cell podosomes are protrusive and invade the extracellular matrix using metalloproteinase MMP-14. <i>Journal of Cell Science</i> , 2010, 123, 1427-1437.	2.0	133
27	Quantitative Assessment of Specificity in Immunoelectron Microscopy. <i>Journal of Histochemistry and Cytochemistry</i> , 2010, 58, 917-927.	2.5	21
28	A Stereological Approach for Estimation of Cellular Immunogold Labeling and Its Spatial Distribution in Oriented Sections Using the Rotator. <i>Journal of Histochemistry and Cytochemistry</i> , 2009, 57, 709-719.	2.5	11
29	Quantifying immunogold labelling patterns of cellular compartments when they comprise mixtures of membranes (surface-occupying) and organelles (volume-occupying). <i>Histochemistry and Cell Biology</i> , 2008, 129, 367-378.	1.7	22
30	Developments in cell biology for quantitative immunoelectron microscopy based on thin sections: a review. <i>Histochemistry and Cell Biology</i> , 2008, 130, 299-313.	1.7	50
31	A novel route for ATP acquisition by the remnant mitochondria of <i>Encephalitozoon cuniculi</i> . <i>Nature</i> , 2008, 453, 553-556.	27.8	222
32	Chapter 4 Quantification of Structures and Gold Labeling in Transmission Electron Microscopy. <i>Methods in Cell Biology</i> , 2008, 88, 59-82.	1.1	34
33	Mutation of the PDK1 PH Domain Inhibits Protein Kinase B/Akt, Leading to Small Size and Insulin Resistance. <i>Molecular and Cellular Biology</i> , 2008, 28, 3258-3272.	2.3	115
34	TPL2-mediated activation of ERK1 and ERK2 regulates the processing of pre-TNF α in LPS-stimulated macrophages. <i>Journal of Cell Science</i> , 2008, 121, 149-154.	2.0	124
35	GABAA α 6-Containing Receptors Are Selectively Compromised in Cerebellar Granule Cells of the Ataxic Mouse, <i>Stargazer</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 29130-29143.	3.4	21
36	p38 MAPK regulates COPII recruitment. <i>Biochemical and Biophysical Research Communications</i> , 2007, 363, 317-321.	2.1	8

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37	Efficient quantitative morphological phenotyping of genetically altered organisms using stereology. <i>Transgenic Research</i> , 2007, 16, 133-145.	2.4	9
38	Quantitative EM techniques. , 2006, , .		1
39	Localization of agonist-sensitive PtdIns(3,4,5)P3 reveals a nuclear pool that is insensitive to PTEN expression. <i>Journal of Cell Science</i> , 2006, 119, 5160-5168.	2.0	137
40	Endoplasmic reticulum positioning and partitioning in mitotic HeLa cells. <i>Journal of Anatomy</i> , 2005, 206, 415-425.	1.5	45
41	Probing phosphoinositide functions in signaling and membrane trafficking. <i>Trends in Cell Biology</i> , 2005, 15, 259-268.	7.9	209
42	A Rapid Method for Assessing the Distribution of Gold Labeling on Thin Sections. <i>Journal of Histochemistry and Cytochemistry</i> , 2004, 52, 991-1000.	2.5	83
43	FAPPs control Golgi-to-cell-surface membrane traffic by binding to ARF and PtdIns(4)P. <i>Nature Cell Biology</i> , 2004, 6, 393-404.	10.3	479
44	Applications of an efficient method for comparing immunogold labelling patterns in the same sets of compartments in different groups of cells. <i>Histochemistry and Cell Biology</i> , 2004, 122, 171-7.	1.7	43
45	ERp29, a general endoplasmic reticulum marker, is highly expressed throughout the brain. <i>Journal of Comparative Neurology</i> , 2004, 477, 29-42.	1.6	25
46	Deficiency of PDK1 in cardiac muscle results in heart failure and increased sensitivity to hypoxia. <i>EMBO Journal</i> , 2003, 22, 4666-4676.	7.8	166
47	A simpler way of comparing the labelling densities of cellular compartments illustrated using data from VPARP and LAMP-1 immunogold labelling experiments. <i>Histochemistry and Cell Biology</i> , 2003, 119, 333-341.	1.7	48
48	A Novel Domain in AMP-Activated Protein Kinase Causes Glycogen Storage Bodies Similar to Those Seen in Hereditary Cardiac Arrhythmias. <i>Current Biology</i> , 2003, 13, 861-866.	3.9	295
49	Mitochondrial remnant organelles of <i>Giardia</i> function in iron-sulphur protein maturation. <i>Nature</i> , 2003, 426, 172-176.	27.8	526
50	The coiled-coil membrane protein golgin-84 is a novel rab effector required for Golgi ribbon formation. <i>Journal of Cell Biology</i> , 2003, 160, 201-212.	5.2	212
51	Fungal Hydrogenosomes Contain Mitochondrial Heat-Shock Proteins. <i>Molecular Biology and Evolution</i> , 2003, 20, 1051-1061.	8.9	39
52	Advances in Procedures for the Detection and Localization of Inositol Phospholipid Signals in Cells, Tissues, and Enzyme Assays. <i>Methods in Enzymology</i> , 2003, 366, 64-84.	1.0	13
53	Caspase-mediated cleavage of the stacking protein GRASP65 is required for Golgi fragmentation during apoptosis. <i>Journal of Cell Biology</i> , 2002, 156, 495-509.	5.2	207
54	Subcellular localization of phosphatidylinositol 4,5-bisphosphate using the pleckstrin homology domain of phospholipase C $\hat{1}$. <i>Biochemical Journal</i> , 2002, 363, 657.	3.7	219

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55	Subcellular localization of phosphatidylinositol 4,5-bisphosphate using the pleckstrin homology domain of phospholipase C $\hat{1}$. <i>Biochemical Journal</i> , 2002, 363, 657-666.	3.7	303
56	Inhibition of Autophagy in Mitotic Animal Cells. <i>Traffic</i> , 2002, 3, 878-893.	2.7	163
57	A mitochondrial remnant in the microsporidian <i>Trachipleistophora hominis</i> . <i>Nature</i> , 2002, 418, 865-869.	27.8	396
58	Essential role of PDK1 in regulating cell size and development in mice. <i>EMBO Journal</i> , 2002, 21, 3728-3738.	7.8	282
59	Electron microscopy applications for quantitative cellular microbiology. <i>Technoreview. Cellular Microbiology</i> , 2001, 3, 659-668.	2.1	18
60	Evidence for Prebudding Arrest of ER Export in Animal Cell Mitosis and its Role in Generating Golgi Partitioning Intermediates. <i>Traffic</i> , 2001, 2, 321-335.	2.7	51
61	CHARACTERIZATION AND REGULATION OF CONSTITUTIVE TRANSPORT INTERMEDIATES INVOLVED IN TRAFFICKING FROM THE TRANS -GOLGI NETWORK. <i>Cell Biology International</i> , 2001, 25, 705-713.	3.0	6
62	Immunolocalisation of phospholipase D1 on tubular vesicular membranes of endocytic and secretory origin. <i>European Journal of Cell Biology</i> , 2001, 80, 508-520.	3.6	38
63	The Manganese Cation Disrupts Membrane Dynamics along the Secretory Pathway. <i>Experimental Cell Research</i> , 2000, 259, 167-179.	2.6	43
64	Quantitative immunoelectron microscopy reveals $\hat{1}\pm 2,6$ sialyltransferase is concentrated in the central cisternae of rat hepatocyte Golgi apparatus. <i>European Journal of Cell Biology</i> , 1998, 76, 18-24.	3.6	7
65	ERK2 Signalling from Internalised Epidermal Growth Factor Receptor in Broken A431 Cells. <i>Cellular Signalling</i> , 1998, 10, 339-348.	3.6	23
66	A ghost in the cellular machine. <i>Trends in Biochemical Sciences</i> , 1998, 23, 317.	7.5	0
67	Okadaic Acid Induces Selective Arrest of Protein Transport in the Rough Endoplasmic Reticulum and Prevents Export into COPII-Coated Structures. <i>Molecular and Cellular Biology</i> , 1998, 18, 1125-1135.	2.3	17
68	Role of Translocation in the Activation and Function of Protein Kinase B. <i>Journal of Biological Chemistry</i> , 1997, 272, 31515-31524.	3.4	908
69	Carbonic Anhydrase Isoenzymes I, II, III, and IV Are Present in Human Esophageal Epithelium. <i>Journal of Histochemistry and Cytochemistry</i> , 1997, 45, 35-40.	2.5	48
70	Low Extracellular pH Induces Activation of ERK 2, JNK, and p38 in A431 and Swiss 3T3 Cells. <i>Biochemical and Biophysical Research Communications</i> , 1997, 241, 236-242.	2.1	33
71	Antigen endocytosis and presentation mediated by human membrane IgG1 in the absence of the $\hat{1}\pm / \hat{1}\pm^2$ dimer. <i>EMBO Journal</i> , 1997, 16, 3842-3850.	7.8	41
72	Selective adsorption: A new method for purification of protein A-gold complexes. , 1996, 35, 314-319.		2

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73	The bulk-flow hypothesis: not quite the end. Trends in Cell Biology, 1995, 5, 9-13.	7.9	22
74	Fancy a book on immunocytochemistry?. Trends in Cell Biology, 1995, 5, 332-333.	7.9	1
75	The Pathway of Golgi Cluster Formation in Okadaic Acid-Treated Cells. Journal of Structural Biology, 1995, 115, 318-330.	2.8	22
76	Antigen processing and class II MHC peptide-loading compartments in human B-lymphoblastoid cells. Nature, 1994, 369, 147-151.	27.8	348
77	Unbiased 3-D quantitation of ultrastructure in cell biology. Trends in Cell Biology, 1993, 3, 354-358.	7.9	33
78	The immunofluorescent era of membrane traffic. Trends in Cell Biology, 1993, 3, 214-219.	7.9	67
79	Mimicking mitotic Golgi disassembly using okadaic acid. Journal of Cell Science, 1992, 103, 875-880.	2.0	24
80	Ultrastructural Localization of Keratin Proteins in Human Skin Using Low-Temperature Embedding and the Protein A-Gold Technique. Journal of Investigative Dermatology, 1985, 84, 69-72.	0.7	23