

Carles Rentero

List of Publications by Year in descending order

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66
papers

3,670
citations

126907

33
h-index

138484

58
g-index

67
all docs

67
docs citations

67
times ranked

5761
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative imaging of membrane lipid order in cells and organisms. <i>Nature Protocols</i> , 2012, 7, 24-35.	12.0	364
2	PALM imaging and cluster analysis of protein heterogeneity at the cell surface. <i>Journal of Biophotonics</i> , 2010, 3, 446-454.	2.3	248
3	Actin Dynamics Drive Membrane Reorganization and Scission in Clathrin-Independent Endocytosis. <i>Cell</i> , 2010, 140, 540-553.	28.9	226
4	AMPK activation promotes lipid droplet dispersion on detyrosinated microtubules to increase mitochondrial fatty acid oxidation. <i>Nature Communications</i> , 2015, 6, 7176.	12.8	215
5	The biliary epithelium gives rise to liver progenitor cells. <i>Hepatology</i> , 2014, 60, 1367-1377.	7.3	158
6	Cell-to-Cell Heterogeneity in Lipid Droplets Suggests a Mechanism to Reduce Lipotoxicity. <i>Current Biology</i> , 2013, 23, 1489-1496.	3.9	152
7	A palmitoylation switch mechanism regulates Rac1 function and membrane organization. <i>EMBO Journal</i> , 2012, 31, 534-551.	7.8	150
8	Quantitative Microscopy: Protein Dynamics and Membrane Organisation. <i>Traffic</i> , 2009, 10, 962-971.	2.7	132
9	Cholesterol Regulates Syntaxin 6 Trafficking at trans-Golgi Network Endosomal Boundaries. <i>Cell Reports</i> , 2014, 7, 883-897.	6.4	104
10	Functional Implications of Plasma Membrane Condensation for T Cell Activation. <i>PLoS ONE</i> , 2008, 3, e2262.	2.5	96
11	Annexin A6 stimulates the membrane recruitment of p120GAP to modulate Ras and Raf-1 activity. <i>Oncogene</i> , 2005, 24, 5809-5820.	5.9	84
12	Annexin A6 "Linking Ca ²⁺ signaling with cholesterol transport. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 935-947.	4.1	77
13	Sphingomyelin organization is required for vesicle biogenesis at the Golgi complex. <i>EMBO Journal</i> , 2012, 31, 4535-4546.	7.8	74
14	Plasma membrane segregation during T cell activation: probing the order of domains. <i>Current Opinion in Immunology</i> , 2007, 19, 470-475.	5.5	67
15	Annexin A6-regulator of the EGFR/Ras signalling pathway and cholesterol homeostasis. <i>International Journal of Biochemistry and Cell Biology</i> , 2010, 42, 580-584.	2.8	66
16	Annexin A6 inhibits Ras signalling in breast cancer cells. <i>Oncogene</i> , 2009, 28, 363-377.	5.9	65
17	Annexin A6 is a scaffold for PKC ζ to promote EGFR inactivation. <i>Oncogene</i> , 2013, 32, 2858-2872.	5.9	64
18	Annexins " insights from knockout mice. <i>Biological Chemistry</i> , 2016, 397, 1031-1053.	2.5	64

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19	Identification and distribution of different mRNA variants produced by differential splicing in the human phosphodiesterase 9A gene. <i>Biochemical and Biophysical Research Communications</i> , 2003, 301, 686-692.	2.1	63
20	Cholesterol transport from late endosomes to the Golgi regulates t-SNARE trafficking, assembly, and function. <i>Molecular Biology of the Cell</i> , 2011, 22, 4108-4123.	2.1	59
21	Annexin A6 is an organizer of membrane microdomains to regulate receptor localization and signalling. <i>IUBMB Life</i> , 2011, 63, 1009-1017.	3.4	58
22	Annexin A6 modulates TBC1D15/Rab7/StARD3 axis to control endosomal cholesterol export in NPC1 cells. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 2839-2857.	5.4	54
23	Role of cholesterol in SNARE-mediated trafficking on intracellular membranes. <i>Journal of Cell Science</i> , 2015, 128, 1071-81.	2.0	53
24	Annexin A6 is a multifunctional scaffold in cell motility. <i>Cell Adhesion and Migration</i> , 2017, 11, 288-304.	2.7	53
25	Annexin A6 in the liver: From the endocytic compartment to cellular physiology. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 933-946.	4.1	52
26	Leukocyte Ig-like Receptor B4 (LILRB4) Is a Potent Inhibitor of FcγRI-mediated Monocyte Activation via Dephosphorylation of Multiple Kinases. <i>Journal of Biological Chemistry</i> , 2009, 284, 34839-34848.	3.4	51
27	Annexins are scaffolds modulating PKC localization and signaling. <i>Cellular Signalling</i> , 2014, 26, 1213-1225.	3.6	49
28	Annexins are Coordinators of Cholesterol Homeostasis in Endocytic Pathways. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1444.	4.1	48
29	Annexin A6 and Late Endosomal Cholesterol Modulate Integrin Recycling and Cell Migration. <i>Journal of Biological Chemistry</i> , 2016, 291, 1320-1335.	3.4	43
30	LILRA5 is expressed by synovial tissue macrophages in rheumatoid arthritis, selectively induces pro-inflammatory cytokines and IL-10 and is regulated by TNF-α, IL-10 and IFN-γ. <i>European Journal of Immunology</i> , 2008, 38, 3459-3473.	2.9	38
31	Evidence for annexin A6-dependent plasma membrane remodelling of lipid domains. <i>British Journal of Pharmacology</i> , 2015, 172, 1677-1690.	5.4	38
32	Cholesterol transport from late endosomes to the Golgi regulates t-SNARE trafficking, assembly, and function. <i>Molecular Biology of the Cell</i> , 2011, 22, 4108-4123.	2.1	36
33	Inhibition of H-Ras and MAPK is compensated by PKC-dependent pathways in annexin A6 expressing cells. <i>Cellular Signalling</i> , 2006, 18, 1006-1016.	3.6	35
34	Inhibition of Mitogen-Activated Protein Kinase Erk1/2 Promotes Protein Degradation of ATP Binding Cassette Transporters A1 and G1 in CHO and HuH7 Cells. <i>PLoS ONE</i> , 2013, 8, e62667.	2.5	35
35	Annexin Animal Models: From Fundamental Principles to Translational Research. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3439.	4.1	33
36	Annexins in Adipose Tissue: Novel Players in Obesity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3449.	4.1	27

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37	Rac1 and Calmodulin Interactions Modulate Dynamics of ARF6-Dependent Endocytosis. <i>Traffic</i> , 2011, 12, 1879-1896.	2.7	26
38	Annexin A6 regulates interleukin-2-mediated cell proliferation. <i>Immunology and Cell Biology</i> , 2016, 94, 543-553.	2.3	26
39	Activation of Endothelial Nitric Oxide (eNOS) Occurs through Different Membrane Domains in Endothelial Cells. <i>PLoS ONE</i> , 2016, 11, e0151556.	2.5	25
40	Caveolin-1-dependent and -independent membrane domains. <i>Journal of Lipid Research</i> , 2009, 50, 1609-1620.	4.2	24
41	Cyclosporin A Decreases Apolipoprotein E Secretion from Human Macrophages via a Protein Phosphatase 2B-dependent and ATP-binding Cassette Transporter A1 (ABCA1)-independent Pathway. <i>Journal of Biological Chemistry</i> , 2009, 284, 24144-24154.	3.4	23
42	ROCK1 is a novel Rac1 effector to regulate tubular endocytic membrane formation during clathrin-independent endocytosis. <i>Scientific Reports</i> , 2017, 7, 6866.	3.3	22
43	Signal Transduction Pathways Provide Opportunities to Enhance HDL and apoA1-Dependent Reverse Cholesterol Transport. <i>Current Pharmaceutical Biotechnology</i> , 2012, 13, 352-364.	1.6	21
44	Annexin A6 regulates adipocyte lipid storage and adiponectin release. <i>Molecular and Cellular Endocrinology</i> , 2017, 439, 419-430.	3.2	20
45	Annexin A6 Is Critical to Maintain Glucose Homeostasis and Survival During Liver Regeneration in Mice. <i>Hepatology</i> , 2020, 72, 2149-2164.	7.3	20
46	The MAL protein is crucial for proper membrane condensation at the ciliary base, which is required for primary cilium elongation. <i>Journal of Cell Science</i> , 2015, 128, 2261-2270.	2.0	19
47	Annexins: Ca ²⁺ Effectors Determining Membrane Trafficking in the Late Endocytic Compartment. <i>Advances in Experimental Medicine and Biology</i> , 2017, 981, 351-385.	1.6	19
48	Altered hepatic glucose homeostasis in AnxA6-KO mice fed a high-fat diet. <i>PLoS ONE</i> , 2018, 13, e0201310.	2.5	18
49	Dynamics of KRas on endosomes: involvement of acidic phospholipids in its association. <i>FASEB Journal</i> , 2014, 28, 3023-3037.	0.5	17
50	The cross-talk of LDL-cholesterol with cell motility: Insights from the Niemann Pick Type C1 mutation and altered integrin trafficking. <i>Cell Adhesion and Migration</i> , 2015, 9, 384-391.	2.7	17
51	Role of hepatic Annexin A6 in fatty acid-induced lipid droplet formation. <i>Experimental Cell Research</i> , 2017, 358, 397-410.	2.6	17
52	Caveolin-1-Mediated Apolipoprotein A-I Membrane Binding Sites Are Not Required for Cholesterol Efflux. <i>PLoS ONE</i> , 2011, 6, e23353.	2.5	13
53	Specific use of start codons and cellular localization of splice variants of human phosphodiesterase 9A gene. <i>BMC Molecular Biology</i> , 2006, 7, 39.	3.0	12
54	Cholesterol Overload: Contact Sites to the Rescue!. <i>Contact (Thousand Oaks (Ventura County, Calif) Tj ETQq0 0 0 rgBT /Overlock 10 Tf</i>	1.3	12

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55	Annexin A6 improves anti-migratory and anti-invasive properties of tyrosine kinase inhibitors in EGFR overexpressing human squamous epithelial cells. <i>FEBS Journal</i> , 2020, 287, 2961-2978.	4.7	12
56	Selective Degradation Permits a Feedback Loop Controlling Annexin A6 and Cholesterol Levels in Endolysosomes of NPC1 Mutant Cells. <i>Cells</i> , 2020, 9, 1152.	4.1	12
57	Annexin A6 and NPC1 regulate LDL-inducible cell migration and distribution of focal adhesions. <i>Scientific Reports</i> , 2022, 12, 596.	3.3	11
58	GTPases Rac1 and Ras Signaling from Endosomes. <i>Progress in Molecular and Subcellular Biology</i> , 2018, 57, 65-105.	1.6	10
59	Annexins Bridging the Gap: Novel Roles in Membrane Contact Site Formation. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 797949.	3.7	10
60	Pleiotropic Roles of Calmodulin in the Regulation of KRas and Rac1 GTPases: Functional Diversity in Health and Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3680.	4.1	9
61	Annexins and Endosomal Signaling. <i>Methods in Enzymology</i> , 2014, 535, 55-74.	1.0	8
62	Linking Late Endosomal Cholesterol with Cancer Progression and Anticancer Drug Resistance. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7206.	4.1	7
63	KRAS phosphorylation regulates cell polarization and tumorigenic properties in colorectal cancer. <i>Oncogene</i> , 2021, 40, 5730-5740.	5.9	5
64	Lack of Annexin A6 Exacerbates Liver Dysfunction and Reduces Lifespan of Niemann-Pick Type C Protein-Deficient Mice. <i>American Journal of Pathology</i> , 2021, 191, 475-486.	3.8	3
65	Membrane Domains as Signaling Centers in Macrophages and T-Cells: From Concepts to Experiments. <i>Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry</i> , 2008, 8, 336-348.	0.5	1
66	Novel therapeutic avenues for the study of chronic liver disease and regeneration: The foundation of the Iberoamerican Consortium for the study of liver Cirrhosis. <i>Gastroenterología Y Hepatología</i> , 2023, 46, 322-328.	0.5	0