Sergio D Catz

List of Publications by Year
in descending order

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37 papers	2,009 citations	331670 21 h-index	377865 34 g-index
37 all docs	37 docs citations	37 times ranked	5764 citing authors

#	Article	IF	Citations
1	DYNC1LI2 regulates localization of the chaperone-mediated autophagy receptor LAMP2A and improves cellular homeostasis in cystinosis. Autophagy, 2022, 18, 1108-1126.	9.1	6
2	Graft-derived extracellular vesicles transported across subcapsular sinus macrophages elicit B cell alloimmunity after transplantation. Science Translational Medicine, 2021, 13, .	12.4	18
3	The atypical small GTPase GEM/Kir is a negative regulator of the NADPH oxidase and NETs production through macroautophagy. Journal of Leukocyte Biology, 2021, 110, 629-649.	3.3	2
4	Super-Resolution Microscopy and Particle-Tracking Approaches for the Study of Vesicular Trafficking in Primary Neutrophils. Methods in Molecular Biology, 2021, 2233, 193-202.	0.9	4
5	Inactivation of Rho GTPases by Burkholderia cenocepacia Induces a WASH-Mediated Actin Polymerization that Delays Phagosome Maturation. Cell Reports, 2020, 31, 107721.	6.4	20
6	Therapeutic targeting of neutrophil exocytosis. Journal of Leukocyte Biology, 2020, 107, 393-408.	3.3	17
7	Src family kinase-mediated vesicle trafficking is critical for neutrophil basement membrane penetration. Haematologica, 2020, 105, 1845-1856.	3.5	14
8	Cross-regulation of defective endolysosome trafficking and enhanced autophagy through TFEB in UNC13D deficiency. Autophagy, 2019, 15, 1738-1756.	9.1	11
9	Interaction between galectin-3 and cystinosin uncovers a pathogenic role of inflammation inÂkidney involvement of cystinosis. Kidney International, 2019, 96, 350-362.	5.2	23
10	Chaperone-Mediated Autophagy Upregulation Rescues Megalin Expression and Localization in Cystinotic Proximal Tubule Cells. Frontiers in Endocrinology, 2019, 10, 21.	3.5	10
11	The trafficking protein JFC1 regulates Rac1-GTP localization at the uropod controlling neutrophil chemotaxis and in vivo migration. Journal of Leukocyte Biology, 2019, 105, 1209-1224.	3.3	16
12	Neutrophils: New insights and open questions. Science Immunology, 2018, 3, .	11.9	348
13	Cystinosin, the small GTPase Rab11, and the Rab7 effector RILP regulate intracellular trafficking of the chaperone-mediated autophagy receptor LAMP2A. Journal of Biological Chemistry, 2017, 292, 10328-10346.	3.4	62
14	Editorial: The secrets of secretion. Journal of Leukocyte Biology, 2017, 102, 4-6.	3.3	0
15	Rab27a regulates GM-CSF-dependent priming of neutrophil exocytosis. Journal of Leukocyte Biology, 2017, 101, 693-702.	3.3	16
16	Increased Neutrophil Secretion Induced by NLRP3 Mutation Links the Inflammasome to Azurophilic Granule Exocytosis. Frontiers in Cellular and Infection Microbiology, 2017, 7, 507.	3.9	24
17	Molecular mechanisms regulating secretory organelles and endosomes in neutrophils and their implications for inflammation. Immunological Reviews, 2016, 273, 249-265.	6.0	53
18	Identification of Neutrophil Exocytosis Inhibitors (Nexinhibs), Small Molecule Inhibitors of Neutrophil Exocytosis and Inflammation. Journal of Biological Chemistry, 2016, 291, 25965-25982.	3.4	73

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19	Munc13-4 Is a Rab11-binding Protein That Regulates Rab11-positive Vesicle Trafficking and Docking at the Plasma Membrane. Journal of Biological Chemistry, 2016, 291, 3423-3438.	3.4	57
20	Activation of the transcription factor EB rescues lysosomal abnormalities in cystinotic kidney cells. Kidney International, 2016, 89, 862-873.	5.2	85
21	Munc13-4 interacts with syntaxin 7 and regulates late endosomal maturation, endosomal signaling, and TLR9-initiated cellular responses. Molecular Biology of the Cell, 2016, 27, 572-587.	2.1	30
22	MST1-dependent vesicle trafficking regulates neutrophil transmigration through the vascular basement membrane. Journal of Clinical Investigation, 2016, 126, 4125-4139.	8.2	50
23	Impairment of chaperoneâ€mediated autophagy leads to selective lysosomal degradation defects in the lysosomal storage disease cystinosis. EMBO Molecular Medicine, 2015, 7, 158-174.	6.9	81
24	Aberrant Autolysosomal Regulation Is Linked to The Induction of Embryonic Senescence: Differential Roles of Beclin 1 and p53 in Vertebrate Spns1 Deficiency. PLoS Genetics, 2014, 10, e1004409.	3.5	47
25	The role of Rab27a in the regulation of neutrophil function. Cellular Microbiology, 2014, 16, 1301-1310.	2.1	29
26	Upregulation of the Rab27a-Dependent Trafficking and Secretory Mechanisms Improves Lysosomal Transport, Alleviates Endoplasmic Reticulum Stress, and Reduces Lysosome Overload in Cystinosis. Molecular and Cellular Biology, 2013, 33, 2950-2962.	2.3	50
27	Vesicular trafficking through cortical actin during exocytosis is regulated by the Rab27a effector JFC1/Slp1 and the RhoA-GTPaseâ€“activating protein Gem-interacting protein. Molecular Biology of the Cell, 2012, 23, 1902-1916.	2.1	87
28	Increased Survival and Reduced Neutrophil Infiltration of the Liver in Rab27a- but Not Munc13-4-Deficient Mice in Lipopolysaccharide-Induced Systemic Inflammation. Infection and Immunity, 2011, 79, 3607-3618.	2.2	36
29	Munc13-4 Restricts Motility of Rab27a-expressing Vesicles to Facilitate Lipopolysaccharide-induced Priming of Exocytosis in Neutrophils. Journal of Biological Chemistry, 2011, 286, 5647-5656.	3.4	44
30	The Rab27a Effectors JFC1/Slp1 and Munc13â€4 Regulate Exocytosis of Neutrophil Granules. Traffic, 2008, 9, 2151-2164.	2.7	79
31	Characterization of Rab27a and JFC1 as Constituents of the Secretory Machinery of Prostateâ€Specific Antigen in Prostate Carcinoma Cells. Methods in Enzymology, 2008, 438, 25-40.	1.0	9
32	Rab27a is a key component of the secretory machinery of azurophilic granules in granulocytes. Biochemical Journal, 2007, 402, 229-239.	3.7	80
33	The Role of the Small GTPase Rab27a in the Regulated Secretion of Granulocytes.. Blood, 2005, 106, 3080-3080.	1.4	0
34	Cross Talk between IRAK4 and the NADPH Oxidase.. Blood, 2005, 106, 3081-3081.	1.4	0
35	The C2A domain of JFC1 binds to 3'-phosphorylated phosphoinositides and directs plasma membrane association in living cells. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 11652-11657.	7.1	48
36	JFC1 is transcriptionally activated by nuclear factor-ÎºB and up-regulated by tumour necrosis factor Î± in prostate carcinoma cells. Biochemical Journal, 2002, 367, 791-799.	3.7	10

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37	Transcriptional regulation of bcl-2 by nuclear factor ÎºB and its significance in prostate cancer. Oncogene, 2001, 20, 7342-7351.	5.9	470