

# 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	Transcriptional regulation of bcl-2 by nuclear factor $\kappa$ B and its significance in prostate cancer. <i>Oncogene</i> , 2001, 20, 7342-7351.	5.9	470
2	Neutrophils: New insights and open questions. <i>Science Immunology</i> , 2018, 3, .	11.9	348
3	Vesicular trafficking through cortical actin during exocytosis is regulated by the Rab27a effector JFC1/Slp1 and the RhoA-GTPase-activating protein Gem-interacting protein. <i>Molecular Biology of the Cell</i> , 2012, 23, 1902-1916.	2.1	87
4	Activation of the transcription factor EB rescues lysosomal abnormalities in cystinotic kidney cells. <i>Kidney International</i> , 2016, 89, 862-873.	5.2	85
5	Impairment of chaperone-mediated autophagy leads to selective lysosomal degradation defects in the lysosomal storage disease cystinosis. <i>EMBO Molecular Medicine</i> , 2015, 7, 158-174.	6.9	81
6	Rab27a is a key component of the secretory machinery of azurophilic granules in granulocytes. <i>Biochemical Journal</i> , 2007, 402, 229-239.	3.7	80
7	The Rab27a Effectors JFC1/Slp1 and Munc13-4 Regulate Exocytosis of Neutrophil Granules. <i>Traffic</i> , 2008, 9, 2151-2164.	2.7	79
8	Identification of Neutrophil Exocytosis Inhibitors (Nexinhibs), Small Molecule Inhibitors of Neutrophil Exocytosis and Inflammation. <i>Journal of Biological Chemistry</i> , 2016, 291, 25965-25982.	3.4	73
9	Cystinosis, the small GTPase Rab11, and the Rab7 effector RILP regulate intracellular trafficking of the chaperone-mediated autophagy receptor LAMP2A. <i>Journal of Biological Chemistry</i> , 2017, 292, 10328-10346.	3.4	62
10	Munc13-4 Is a Rab11-binding Protein That Regulates Rab11-positive Vesicle Trafficking and Docking at the Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2016, 291, 3423-3438.	3.4	57
11	Molecular mechanisms regulating secretory organelles and endosomes in neutrophils and their implications for inflammation. <i>Immunological Reviews</i> , 2016, 273, 249-265.	6.0	53
12	Upregulation of the Rab27a-Dependent Trafficking and Secretory Mechanisms Improves Lysosomal Transport, Alleviates Endoplasmic Reticulum Stress, and Reduces Lysosome Overload in Cystinosis. <i>Molecular and Cellular Biology</i> , 2013, 33, 2950-2962.	2.3	50
13	MST1-dependent vesicle trafficking regulates neutrophil transmigration through the vascular basement membrane. <i>Journal of Clinical Investigation</i> , 2016, 126, 4125-4139.	8.2	50
14	The C2A domain of JFC1 binds to 3'-phosphorylated phosphoinositides and directs plasma membrane association in living cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 11652-11657.	7.1	48
15	Aberrant Autolysosomal Regulation Is Linked to The Induction of Embryonic Senescence: Differential Roles of Beclin 1 and p53 in Vertebrate Spns1 Deficiency. <i>PLoS Genetics</i> , 2014, 10, e1004409.	3.5	47
16	Munc13-4 Restricts Motility of Rab27a-expressing Vesicles to Facilitate Lipopolysaccharide-induced Priming of Exocytosis in Neutrophils. <i>Journal of Biological Chemistry</i> , 2011, 286, 5647-5656.	3.4	44
17	Increased Survival and Reduced Neutrophil Infiltration of the Liver in Rab27a- but Not Munc13-4-Deficient Mice in Lipopolysaccharide-Induced Systemic Inflammation. <i>Infection and Immunity</i> , 2011, 79, 3607-3618.	2.2	36
18	Munc13-4 interacts with syntaxin 7 and regulates late endosomal maturation, endosomal signaling, and TLR9-initiated cellular responses. <i>Molecular Biology of the Cell</i> , 2016, 27, 572-587.	2.1	30

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19	The role of Rab27a in the regulation of neutrophil function. <i>Cellular Microbiology</i> , 2014, 16, 1301-1310.	2.1	29
20	Increased Neutrophil Secretion Induced by NLRP3 Mutation Links the Inflammasome to Azurophilic Granule Exocytosis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 507.	3.9	24
21	Interaction between galectin-3 and cystinosis uncovers a pathogenic role of inflammation in kidney involvement of cystinosis. <i>Kidney International</i> , 2019, 96, 350-362.	5.2	23
22	Inactivation of Rho GTPases by <i>Burkholderia cenocepacia</i> Induces a WASH-Mediated Actin Polymerization that Delays Phagosome Maturation. <i>Cell Reports</i> , 2020, 31, 107721.	6.4	20
23	Graft-derived extracellular vesicles transported across subcapsular sinus macrophages elicit B cell alloimmunity after transplantation. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	18
24	Therapeutic targeting of neutrophil exocytosis. <i>Journal of Leukocyte Biology</i> , 2020, 107, 393-408.	3.3	17
25	Rab27a regulates GM-CSF-dependent priming of neutrophil exocytosis. <i>Journal of Leukocyte Biology</i> , 2017, 101, 693-702.	3.3	16
26	The trafficking protein JFC1 regulates Rac1-GTP localization at the uropod controlling neutrophil chemotaxis and in vivo migration. <i>Journal of Leukocyte Biology</i> , 2019, 105, 1209-1224.	3.3	16
27	Src family kinase-mediated vesicle trafficking is critical for neutrophil basement membrane penetration. <i>Haematologica</i> , 2020, 105, 1845-1856.	3.5	14
28	Cross-regulation of defective endolysosome trafficking and enhanced autophagy through TFEB in UNC13D deficiency. <i>Autophagy</i> , 2019, 15, 1738-1756.	9.1	11
29	JFC1 is transcriptionally activated by nuclear factor- $\kappa$ B and up-regulated by tumour necrosis factor $\alpha$ in prostate carcinoma cells. <i>Biochemical Journal</i> , 2002, 367, 791-799.	3.7	10
30	Chaperone-Mediated Autophagy Upregulation Rescues Megalin Expression and Localization in Cystinotic Proximal Tubule Cells. <i>Frontiers in Endocrinology</i> , 2019, 10, 21.	3.5	10
31	Characterization of Rab27a and JFC1 as Constituents of the Secretory Machinery of Prostate-Specific Antigen in Prostate Carcinoma Cells. <i>Methods in Enzymology</i> , 2008, 438, 25-40.	1.0	9
32	DYNC1L2 regulates localization of the chaperone-mediated autophagy receptor LAMP2A and improves cellular homeostasis in cystinosis. <i>Autophagy</i> , 2022, 18, 1108-1126.	9.1	6
33	Super-Resolution Microscopy and Particle-Tracking Approaches for the Study of Vesicular Trafficking in Primary Neutrophils. <i>Methods in Molecular Biology</i> , 2021, 2233, 193-202.	0.9	4
34	The atypical small GTPase GEM/Kir is a negative regulator of the NADPH oxidase and NETs production through macroautophagy. <i>Journal of Leukocyte Biology</i> , 2021, 110, 629-649.	3.3	2
35	Editorial: The secrets of secretion. <i>Journal of Leukocyte Biology</i> , 2017, 102, 4-6.	3.3	0
36	The Role of the Small GTPase Rab27a in the Regulated Secretion of Granulocytes. <i>Blood</i> , 2005, 106, 3080-3080.	1.4	0

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37	Cross Talk between IRAK4 and the NADPH Oxidase.. Blood, 2005, 106, 3081-3081.	1.4	0