

# James E Casanova

## List of Publications by Year in descending order

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53  
papers

4,535  
citations

126907

33  
h-index

175258

52  
g-index

71  
all docs

71  
docs citations

71  
times ranked

5253  
citing authors

#	ARTICLE	IF	CITATIONS
1	Turning on ARF: the Sec7 family of guanine-nucleotide-exchange factors. <i>Trends in Cell Biology</i> , 2000, 10, 60-67.	7.9	446
2	V-ATPase interacts with ARNO and Arf6 in early endosomes and regulates the protein degradative pathway. <i>Nature Cell Biology</i> , 2006, 8, 124-136.	10.3	430
3	Activation of ARF6 by ARNO stimulates epithelial cell migration through downstream activation of both Rac1 and phospholipase D. <i>Journal of Cell Biology</i> , 2001, 154, 599-610.	5.2	361
4	Regulation of Arf Activation: the Sec7 Family of Guanine Nucleotide Exchange Factors. <i>Traffic</i> , 2007, 8, 1476-1485.	2.7	315
5	ARNO Is a Guanine Nucleotide Exchange Factor for ADP-ribosylation Factor 6. <i>Journal of Biological Chemistry</i> , 1998, 273, 23-27.	3.4	232
6	Arf6 and microtubules in adhesion-dependent trafficking of lipid rafts. <i>Nature Cell Biology</i> , 2007, 9, 1381-1391.	10.3	195
7	ARF GTPases and their GEFs and GAPs: concepts and challenges. <i>Molecular Biology of the Cell</i> , 2019, 30, 1249-1271.	2.1	188
8	ARNO and ARF6 Regulate Axonal Elongation and Branching through Downstream Activation of Phosphatidylinositol 4-Phosphate 5-Kinase $\beta$ . <i>Molecular Biology of the Cell</i> , 2004, 15, 111-120.	2.1	151
9	The DOCK180/Elmo Complex Couples ARNO-Mediated Arf6 Activation to the Downstream Activation of Rac1. <i>Current Biology</i> , 2005, 15, 1749-1754.	3.9	142
10	Intra-endosomal pH-sensitive Recruitment of the Arf-nucleotide Exchange Factor ARNO and Arf6 from Cytoplasm to Proximal Tubule Endosomes. <i>Journal of Biological Chemistry</i> , 2001, 276, 18540-18550.	3.4	132
11	Brain angiogenesis inhibitor 1 (BAI1) is a pattern recognition receptor that mediates macrophage binding and engulfment of Gram-negative bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2136-2141.	7.1	126
12	Remodeling of the Actin Cytoskeleton Is Coordinately Regulated by Protein Kinase C and the ADP-Ribosylation Factor Nucleotide Exchange Factor ARNO. <i>Molecular Biology of the Cell</i> , 1998, 9, 3133-3146.	2.1	124
13	Ebola Virus and Severe Acute Respiratory Syndrome Coronavirus Display Late Cell Entry Kinetics: Evidence that Transport to NPC1 Endolysosomes Is a Rate-Defining Step. <i>Journal of Virology</i> , 2015, 89, 2931-2943.	3.4	117
14	The Arf6 GEF GEP100/BRAG2 Regulates Cell Adhesion by Controlling Endocytosis of $\beta$ 1 Integrins. <i>Current Biology</i> , 2006, 16, 315-320.	3.9	116
15	Activation of Focal Adhesion Kinase by Salmonella Suppresses Autophagy via an Akt/mTOR Signaling Pathway and Promotes Bacterial Survival in Macrophages. <i>PLoS Pathogens</i> , 2014, 10, e1004159.	4.7	112
16	Regulation of dendritic development by the ARF exchange factor ARNO. <i>Nature Neuroscience</i> , 2002, 5, 623-624.	14.8	102
17	Mechanisms of Salmonella entry into host cells. <i>Cellular Microbiology</i> , 2007, 9, 2103-2111.	2.1	100
18	The TBC (Tre-2/Bub2/Cdc16) Domain Protein TRE17 Regulates Plasma Membrane-Endosomal Trafficking through Activation of Arf6. <i>Molecular and Cellular Biology</i> , 2004, 24, 9752-9762.	2.3	72

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19	Rab4 Orchestrates a Small GTPase Cascade for Recruitment of Adaptor Proteins to Early Endosomes. <i>Current Biology</i> , 2014, 24, 1187-1198.	3.9	72
20	Identification of a Plasma Membrane-associated Guanine Nucleotide Exchange Factor for ARF6 in Chromaffin Cells. <i>Journal of Biological Chemistry</i> , 2000, 275, 15637-15644.	3.4	71
21	Ebolavirus Glycoprotein Directs Fusion through NPC1 Endolysosomes. <i>Journal of Virology</i> , 2016, 90, 605-610.	3.4	67
22	Arf6-GEF BRAG1 Regulates JNK-Mediated Synaptic Removal of GluA1-Containing AMPA Receptors: A New Mechanism for Nonsyndromic X-Linked Mental Disorder. <i>Journal of Neuroscience</i> , 2012, 32, 11716-11726.	3.6	64
23	SCAMP2 Interacts with Arf6 and Phospholipase D1 and Links Their Function to Exocytotic Fusion Pore Formation in PC12 Cells. <i>Molecular Biology of the Cell</i> , 2005, 16, 4463-4472.	2.1	58
24	FAK Regulates Intestinal Epithelial Cell Survival and Proliferation during Mucosal Wound Healing. <i>PLoS ONE</i> , 2011, 6, e23123.	2.5	57
25	The adhesion GPCR BAI1 mediates macrophage ROS production and microbicidal activity against Gram-negative bacteria. <i>Science Signaling</i> , 2016, 9, ra14.	3.6	54
26	Coordinate Regulation of Salmonella enterica Serovar Typhimurium Invasion of Epithelial Cells by the Arp2/3 Complex and Rho GTPases. <i>Infection and Immunity</i> , 2003, 71, 2885-2891.	2.2	53
27	WAVE2 Signaling Mediates Invasion of Polarized Epithelial Cells by Salmonella typhimurium. <i>Journal of Biological Chemistry</i> , 2005, 280, 29849-29855.	3.4	51
28	Calcium-stimulated disassembly of focal adhesions mediated by an ORP3/IQSec1 complex. <i>ELife</i> , 2020, 9, .	6.0	50
29	BRAG2/GEP100/IQSec1 Interacts with Clathrin and Regulates $\beta$ 5 $\beta$ 1 Integrin Endocytosis through Activation of ADP Ribosylation Factor 5 (Arf5). <i>Journal of Biological Chemistry</i> , 2012, 287, 31138-31147.	3.4	46
30	Bacterial Autophagy: Offense and Defense at the Host-Pathogen Interface. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2017, 4, 237-243.	4.5	44
31	Invasion of Host Cells by Salmonella typhimurium Requires Focal Adhesion Kinase and p130Cas. <i>Molecular Biology of the Cell</i> , 2006, 17, 4698-4708.	2.1	43
32	Role for ADP Ribosylation Factor 1 in the Regulation of Hepatitis C Virus Replication. <i>Journal of Virology</i> , 2011, 85, 946-956.	3.4	42
33	GTPase Signaling: Bridging the GAP between ARF and Rho. <i>Current Biology</i> , 2002, 12, R360-R362.	3.9	35
34	Abelson Tyrosine Kinase Facilitates Salmonella enterica Serovar Typhimurium Entry into Epithelial Cells. <i>Infection and Immunity</i> , 2009, 77, 60-69.	2.2	29
35	Engulfment and Cell Motility Protein 1 (ELMO1) Has an Essential Role in the Internalization of Salmonella Typhimurium Into Enteric Macrophages That Impact Disease Outcome. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2015, 1, 311-324.	4.5	29
36	Salmonella Suppresses the TRIF-Dependent Type I Interferon Response in Macrophages. <i>MBio</i> , 2016, 7, e02051-15.	4.1	27

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37	Nuclear Functions of the Arf Guanine Nucleotide Exchange Factor BRAG2. <i>Traffic</i> , 2007, 8, 661-672.	2.7	25
38	A fluorescence resonance energy transfer activation sensor for Arf6. <i>Analytical Biochemistry</i> , 2008, 374, 243-249.	2.4	25
39	Expression of constitutively active Rab5 uncouples maturation of the Salmonella-containing vacuole from intracellular replication. <i>Cellular Microbiology</i> , 2001, 3, 473-486.	2.1	18
40	Substrate specificities and activities of AZAP family Arf GAPs in vivo. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 294, C263-C270.	4.6	18
41	The BRAG/IQSec family of Arf GEFs. <i>Small GTPases</i> , 2016, 7, 257-264.	1.6	17
42	V. Confluence of membrane trafficking and motility in epithelial cell models. <i>American Journal of Physiology - Renal Physiology</i> , 2002, 283, G1015-G1019.	3.4	12
43	A new Rab7 effector controls phosphoinositide conversion in endosome maturation. <i>Journal of Cell Biology</i> , 2017, 216, 2995-2997.	5.2	12
44	PERP, a host tetraspanning membrane protein, is required for S almonella -induced inflammation. <i>Cellular Microbiology</i> , 2015, 17, 843-859.	2.1	11
45	Salmonella Manipulates Autophagy to -Serve and Protect-. <i>Cell Host and Microbe</i> , 2015, 18, 517-519.	11.0	10
46	PARtitioning Numb. <i>EMBO Reports</i> , 2007, 8, 233-235.	4.5	7
47	Non-redundant functions of FAK and Pyk2 in intestinal epithelial repair. <i>Scientific Reports</i> , 2019, 9, 4497.	3.3	7
48	<i>Salmonella</i> Typhimurium manipulates macrophage cholesterol homeostasis through the SseJ-mediated suppression of the host cholesterol transport protein ABCA1. <i>Cellular Microbiology</i> , 2021, 23, e13329.	2.1	5
49	The ARF GAPs ELMOD1 and ELMOD3 act at the Golgi and cilia to regulate ciliogenesis and ciliary protein traffic. <i>Molecular Biology of the Cell</i> , 2022, 33, mbcE21090443.	2.1	5
50	ARFs. <i>Current Biology</i> , 2003, 13, R123.	3.9	2
51	Advantages and limitations of cell-based assays for GTPase activation and regulation. <i>Cellular Logistics</i> , 2012, 2, 147-150.	0.9	2
52	Cover Image: Salmonella Typhimurium manipulates macrophage cholesterol homeostasis through the SseJ-mediated suppression of the host cholesterol transport protein ABCA1 ( <i>Cellular Microbiology</i> ) Tj ETQq0 0 0 0 BT /Overlock 10 Tf		
53	Salmonella Typhimurium Directs the Localization of the Desmosomal Protein, PERP, to Induce Inflammation. <i>FASEB Journal</i> , 2013, 27, 131.6.	0.5	0