

# Sergio Grinstein

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

371 papers	34,968 citations	96 h-index	175 g-index
546 ext. papers	39,153 ext. citations	9.2 avg, IF	7.42 L-index

#	Paper	IF	Citations
371	Detection and quantification of the vacuolar H <sup>+</sup> ATPase using the Legionella effector protein SidK.. <i>Journal of Cell Biology</i> , <b>2022</b> , 221,	7.3	4
370	Calcium-dependent ESCRT recruitment and lysosome exocytosis maintain epithelial integrity during <i>Candida albicans</i> invasion.. <i>Cell Reports</i> , <b>2022</b> , 38, 110187	10.6	3
369	Rab5 regulates macropinocytosis by recruiting the inositol 5-phosphatases OCRL and Inpp5b that hydrolyse PtdIns(4,5)P <sub>2</sub> . <i>Journal of Cell Science</i> , <b>2021</b> , 134,	5.3	7
368	The cytoskeleton in phagocytosis and macropinocytosis. <i>Current Biology</i> , <b>2021</b> , 31, R619-R632	6.3	12
367	Promoters and Antagonists of Phagocytosis: A Plastic and Tunable Response. <i>Annual Review of Cell and Developmental Biology</i> , <b>2021</b> , 37, 89-114	12.6	2
366	Mapping the electrostatic profiles of cellular membranes. <i>Molecular Biology of the Cell</i> , <b>2021</b> , 32, 301-319.	9.5	3
365	An Acquired and Endogenous Glycocalyx Forms a Bidirectional "Don@Eat" and "Don@Eat Me" Barrier to Phagocytosis. <i>Current Biology</i> , <b>2021</b> , 31, 77-89.e5	6.3	9
364	Monitoring Phosphoinositide Fluxes and Effectors During Leukocyte Chemotaxis and Phagocytosis. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 626136	5.7	3
363	Listeria exploits IFITM3 to suppress antibacterial activity in phagocytes. <i>Nature Communications</i> , <b>2021</b> , 12, 4999	17.4	4
362	From the inside out: Ion fluxes at the centre of endocytic traffic. <i>Current Opinion in Cell Biology</i> , <b>2021</b> , 71, 77-86	9	7
361	Salmonella effector SopD promotes plasma membrane scission by inhibiting Rab10. <i>Nature Communications</i> , <b>2021</b> , 12, 4707	17.4	1
360	Unconventional role of lysosomes in phagocytosis. <i>Cell Calcium</i> , <b>2020</b> , 91, 102269	4	2
359	Inactivation of Rho GTPases by Burkholderia cenocepacia Induces a WASH-Mediated Actin Polymerization that Delays Phagosome Maturation. <i>Cell Reports</i> , <b>2020</b> , 31, 107721	10.6	9
358	Vascular endothelial cells evade complement-mediated membrane injury via Weibel-Palade body mobilization. <i>Journal of Thrombosis and Haemostasis</i> , <b>2020</b> , 18, 1484-1494	15.4	8
357	Endocytosis and the internalization of pathogenic organisms: focus on phosphoinositides. <i>F1000Research</i> , <b>2020</b> , 9,	3.6	6
356	Labeling Acidic Compartments of Neutrophils with Cresyl Violet. <i>Methods in Molecular Biology</i> , <b>2020</b> , 2087, 207-213	1.4	0
355	The Role of Membrane Surface Charge in Phagocytosis. <i>Advances in Experimental Medicine and Biology</i> , <b>2020</b> , 1246, 43-54	3.6	3

354	Phagosome-endoplasmic reticulum contacts: Kissing and not running. <i>Traffic</i> , <b>2020</b> , 21, 172-180	5.7	8
353	Phagocytosis: Mechanosensing, Traction Forces, and a Molecular Clutch. <i>Current Biology</i> , <b>2020</b> , 30, R24-R26	5.7	7
352	Lipid-gated monovalent ion fluxes regulate endocytic traffic and support immune surveillance. <i>Science</i> , <b>2020</b> , 367, 301-305	33.3	64
351	Lysosome Fusion Maintains Phagosome Integrity during Fungal Infection. <i>Cell Host and Microbe</i> , <b>2020</b> , 28, 798-812.e6	23.4	16
350	Stabilization of Endothelial Receptor Arrays by a Polarized Spectrin Cytoskeleton Facilitates Rolling and Adhesion of Leukocytes. <i>Cell Reports</i> , <b>2020</b> , 31, 107798	10.6	7
349	Phosphatidylinositol-4-kinase II licenses phagosomes for TLR4 signaling and MHC-II presentation in dendritic cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 28251-28262	11.5	7
348	SLIT2/ROBO1-signaling inhibits macropinocytosis by opposing cortical cytoskeletal remodeling. <i>Nature Communications</i> , <b>2020</b> , 11, 4112	17.4	12
347	Determinants of Phagosomal pH During Host-Pathogen Interactions. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 624958	5.7	4
346	Phagolysosome resolution requires contacts with the endoplasmic reticulum and phosphatidylinositol-4-phosphate signalling. <i>Nature Cell Biology</i> , <b>2019</b> , 21, 1234-1247	23.4	38
345	Revisiting the role of calcium in phagosome formation and maturation. <i>Journal of Leukocyte Biology</i> , <b>2019</b> , 106, 837-851	6.5	12
344	Constitutive and stimulated macropinocytosis in macrophages: roles in immunity and in the pathogenesis of atherosclerosis. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2019</b> , 374, 20180147	5.8	23
343	Phagocytosis of Necrotic Debris at Sites of Injury and Inflammation. <i>Frontiers in Immunology</i> , <b>2019</b> , 10, 3030	8.4	48
342	Lysosomal integral membrane protein-2 (LIMP-2/SCARB2) is involved in lysosomal cholesterol export. <i>Nature Communications</i> , <b>2019</b> , 10, 3521	17.4	43
341	Dynamic Podosome-Like Structures in Nascent Phagosomes Are Coordinated by Phosphoinositides. <i>Developmental Cell</i> , <b>2019</b> , 50, 397-410.e3	10.2	25
340	Multimerization and Retention of the Scavenger Receptor SR-B1 in the Plasma Membrane. <i>Developmental Cell</i> , <b>2019</b> , 50, 283-295.e5	10.2	15
339	BioID screen of Salmonella type 3 secreted effectors reveals host factors involved in vacuole positioning and stability during infection. <i>Nature Microbiology</i> , <b>2019</b> , 4, 2511-2522	26.6	18
338	How to build a phagosome: new concepts for an old process. <i>Current Opinion in Cell Biology</i> , <b>2018</b> , 50, 57-63	9	30
337	The role of lipids in host-pathogen interactions. <i>IUBMB Life</i> , <b>2018</b> , 70, 384-392	4.7	34

336	Transmembrane Pickets Connect Cyto- and Pericellular Skeletons Forming Barriers to Receptor Engagement. <i>Cell</i> , <b>2018</b> , 172, 305-317.e10	56.2	94
335	Dual loss of p110 $\beta$ PI3-kinase and SKAP (KNSTRN) expression leads to combined immunodeficiency and multisystem syndromic features. <i>Journal of Allergy and Clinical Immunology</i> , <b>2018</b> , 142, 618-629	11.5	22
334	Multistep Track Segmentation and Motion Classification for Transient Mobility Analysis. <i>Biophysical Journal</i> , <b>2018</b> , 114, 1018-1025	2.9	27
333	Mesenchymal stem cells enhance NOX2-dependent reactive oxygen species production and bacterial killing in macrophages during sepsis. <i>European Respiratory Journal</i> , <b>2018</b> , 51,	13.6	30
332	Integrin-based diffusion barrier separates membrane domains enabling the formation of microbiostatic frustrated phagosomes. <i>ELife</i> , <b>2018</b> , 7,	8.9	26
331	Screening for Rho GTPase Modulators in Actin-Dependent Processes Exemplified by Phagocytosis. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1821, 107-127	1.4	1
330	Salmonella exploits host Rho GTPase signalling pathways through the phosphatase activity of SopB. <i>Cellular Microbiology</i> , <b>2018</b> , 20, e12938	3.9	11
329	High-Throughput Screening Identifies Genes Required for Induction of Macrophage Pyroptosis. <i>MBio</i> , <b>2018</b> , 9,	7.8	36
328	Differential ability of proinflammatory and anti-inflammatory macrophages to perform macropinocytosis. <i>Molecular Biology of the Cell</i> , <b>2018</b> , 29, 53-65	3.5	24
327	Resolution of macropinosomes, phagosomes and autolysosomes: Osmotically driven shrinkage enables tubulation and vesiculation. <i>Traffic</i> , <b>2018</b> , 19, 965-974	5.7	19
326	Picket-fences in the plasma membrane: functions in immune cells and phagocytosis. <i>Seminars in Immunopathology</i> , <b>2018</b> , 40, 605-615	12	13
325	Candida albicans Hyphal Expansion Causes Phagosomal Membrane Damage and Luminal Alkalinization. <i>MBio</i> , <b>2018</b> , 9,	7.8	48
324	Quantitative Phagocytosis Assays in Primary and Cultured Macrophages. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1784, 151-163	1.4	5
323	SnapShot:Macropinocytosis. <i>Cell</i> , <b>2017</b> , 169, 766-766.e1	56.2	38
322	Multiphasic dynamics of phosphatidylinositol 4-phosphate during phagocytosis. <i>Molecular Biology of the Cell</i> , <b>2017</b> , 28, 128-140	3.5	46
321	Membrane dynamics and organelle biogenesis-lipid pipelines and vesicular carriers. <i>BMC Biology</i> , <b>2017</b> , 15, 102	7.3	40
320	Phosphatidylserine dictates the assembly and dynamics of caveolae in the plasma membrane. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 14292-14307	5.4	45
319	Membrane curvature induced by proximity of anionic phospholipids can initiate endocytosis. <i>Nature Communications</i> , <b>2017</b> , 8, 1393	17.4	59

318	Measuring Phagosomal pH by Fluorescence Microscopy. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1519, 185-199	10.9	10
317	Quantitative Live-Cell Fluorescence Microscopy During Phagocytosis. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1519, 79-91	1.4	8
316	Diversity and Versatility of Phagocytosis: Roles in Innate Immunity, Tissue Remodeling, and Homeostasis. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2017</b> , 7, 191	5.9	95
315	The life cycle of phagosomes: formation, maturation, and resolution. <i>Immunological Reviews</i> , <b>2016</b> , 273, 156-79	11.3	148
314	Calcium-sensing receptors signal constitutive macropinocytosis and facilitate the uptake of NOD2 ligands in macrophages. <i>Nature Communications</i> , <b>2016</b> , 7, 11284	17.4	81
313	Autophagy proteins are not universally required for phagosome maturation. <i>Autophagy</i> , <b>2016</b> , 12, 1440-60.2	60.2	28
312	Chemokine Signaling Enhances CD36 Responsiveness toward Oxidized Low-Density Lipoproteins and Accelerates Foam Cell Formation. <i>Cell Reports</i> , <b>2016</b> , 14, 2859-71	10.6	18
311	Informatic analysis reveals as a source of novel natural products. <i>Synthetic and Systems Biotechnology</i> , <b>2016</b> , 1, 130-136	4.2	7
310	A phagocytosis assay for oxidized low-density lipoprotein versus immunoglobulin G-coated microbeads in human U937 macrophages. <i>Analytical Biochemistry</i> , <b>2016</b> , 500, 24-34	3.1	7
309	Integrins Form an Expanding Diffusional Barrier that Coordinates Phagocytosis. <i>Cell</i> , <b>2016</b> , 164, 128-140	56.2	110
308	The position of lysosomes within the cell determines their luminal pH. <i>Journal of Cell Biology</i> , <b>2016</b> , 212, 677-92	7.3	301
307	Phagocytosis: How Macrophages Tune Their Non-professional Counterparts. <i>Current Biology</i> , <b>2016</b> , 26, R1279-R1282	6.3	8
306	Molecular Mechanisms of Phagosome Formation. <i>Microbiology Spectrum</i> , <b>2016</b> , 4,	8.9	17
305	Gliotoxin Suppresses Macrophage Immune Function by Subverting Phosphatidylinositol 3,4,5-Trisphosphate Homeostasis. <i>MBio</i> , <b>2016</b> , 7, e02242	7.8	38
304	OxLDL receptor chromatography from live human U937 cells identifies SYK(L) that regulates phagocytosis of oxLDL. <i>Analytical Biochemistry</i> , <b>2016</b> , 513, 7-20	3.1	11
303	Cresyl violet: a superior fluorescent lysosomal marker. <i>Traffic</i> , <b>2016</b> , 17, 1313-1321	5.7	29
302	Diffusion Barriers, Mechanical Forces, and the Biophysics of Phagocytosis. <i>Developmental Cell</i> , <b>2016</b> , 38, 135-46	10.2	41
301	Measuring lysosomal pH by fluorescence microscopy. <i>Methods in Cell Biology</i> , <b>2015</b> , 126, 85-99	1.8	12

300	Toll-like receptor ligands sensitize B-cell receptor signalling by reducing actin-dependent spatial confinement of the receptor. <i>Nature Communications</i> , <b>2015</b> , 6, 6168	17.4	62
299	Phosphoinositide 3-kinase enables phagocytosis of large particles by terminating actin assembly through Rac/Cdc42 GTPase-activating proteins. <i>Nature Communications</i> , <b>2015</b> , 6, 8623	17.4	110
298	Salmonella Disrupts Host Endocytic Trafficking by SopD2-Mediated Inhibition of Rab7. <i>Cell Reports</i> , <b>2015</b> , 12, 1508-18	10.6	58
297	Phosphoinositides in phagocytosis and macropinocytosis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2015</b> , 1851, 805-23	5	100
296	Barriers to the free diffusion of proteins and lipids in the plasma membrane. <i>Journal of Cell Biology</i> , <b>2015</b> , 208, 259-71	7.3	135
295	Phosphatidylinositol 4-phosphate dynamics during phagocytosis. <i>FASEB Journal</i> , <b>2015</b> , 29, 568.17	0.9	
294	Temporal production of the signaling lipid phosphatidic acid by phospholipase D2 determines the output of extracellular signal-regulated kinase signaling in cancer cells. <i>Molecular and Cellular Biology</i> , <b>2014</b> , 34, 84-95	4.8	77
293	Contrasting phagosome pH regulation and maturation in human M1 and M2 macrophages. <i>Molecular Biology of the Cell</i> , <b>2014</b> , 25, 3330-41	3.5	116
292	Priming and activation of NADPH oxidases in plants and animals. <i>Trends in Immunology</i> , <b>2014</b> , 35, 405-7	14.4	21
291	Phagocytosis: receptors, signal integration, and the cytoskeleton. <i>Immunological Reviews</i> , <b>2014</b> , 262, 193-215	11.3	300
290	Dynamics of KRas on endosomes: involvement of acidic phospholipids in its association. <i>FASEB Journal</i> , <b>2014</b> , 28, 3023-37	0.9	12
289	Actin cytoskeleton reorganization by Syk regulates Fcγ receptor responsiveness by increasing its lateral mobility and clustering. <i>Developmental Cell</i> , <b>2014</b> , 29, 534-546	10.2	73
288	The phosphatidylserine receptor TIM4 utilizes integrins as coreceptors to effect phagocytosis. <i>Molecular Biology of the Cell</i> , <b>2014</b> , 25, 1511-22	3.5	74
287	Diacylglycerol kinases terminate diacylglycerol signaling during the respiratory burst leading to heterogeneous phagosomal NADPH oxidase activation.. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 48135-4	5.4	78
286	Cytoskeletal confinement of CX3CL1 limits its susceptibility to proteolytic cleavage by ADAM10. <i>Molecular Biology of the Cell</i> , <b>2014</b> , 25, 3884-99	3.5	18
285	The Haemophilus ducreyi LspA1 protein inhibits phagocytosis by using a new mechanism involving activation of C-terminal Src kinase. <i>MBio</i> , <b>2014</b> , 5, e01178-14	7.8	9
284	The vacuolar-type H <sup>+</sup> -ATPase at a glance - more than a proton pump. <i>Journal of Cell Science</i> , <b>2014</b> , 127, 4987-93	5.3	148
283	Scavenger receptors in homeostasis and immunity. <i>Nature Reviews Immunology</i> , <b>2013</b> , 13, 621-34	36.5	504

282	Structure of LIMP-2 provides functional insights with implications for SR-BI and CD36. <i>Nature</i> , <b>2013</b> , 504, 172-6	50.4	177
281	Bem3, a Cdc42 GTPase-activating protein, traffics to an intracellular compartment and recruits the secretory Rab GTPase Sec4 to endomembranes. <i>Journal of Cell Science</i> , <b>2013</b> , 126, 4560-71	5.3	15
280	Multimolecular signaling complexes enable Syk-mediated signaling of CD36 internalization. <i>Developmental Cell</i> , <b>2013</b> , 24, 372-83	10.2	83
279	Role of phospholipids in endocytosis, phagocytosis, and macropinocytosis. <i>Physiological Reviews</i> , <b>2013</b> , 93, 69-106	47.9	186
278	Bruton's Tyrosine Kinase (BTK) and Vav1 contribute to Dectin1-dependent phagocytosis of <i>Candida albicans</i> in macrophages. <i>PLoS Pathogens</i> , <b>2013</b> , 9, e1003446	7.6	64
277	Phosphatidic acid is required for the constitutive ruffling and macropinocytosis of phagocytes. <i>Molecular Biology of the Cell</i> , <b>2013</b> , 24, 1700-12, S1-7	3.5	74
276	Diacylglycerol kinases terminate diacylglycerol signaling during the respiratory burst leading to heterogeneous phagosomal NADPH oxidase activation. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 23090-104	5.4	31
275	Ezrin is required for the functional regulation of the epithelial sodium proton exchanger, NHE3. <i>PLoS ONE</i> , <b>2013</b> , 8, e55623	3.7	19
274	Multiple host kinases contribute to Akt activation during <i>Salmonella</i> infection. <i>PLoS ONE</i> , <b>2013</b> , 8, e71015	3.7	14
273	Subversion of phagocytosis for pathogen survival. <i>Cell Host and Microbe</i> , <b>2012</b> , 12, 419-31	23.4	96
272	<i>Yersinia</i> entry into host cells requires Rab5-dependent dephosphorylation of PI(4,5)P <sub>2</sub> and membrane scission. <i>Cell Host and Microbe</i> , <b>2012</b> , 11, 117-28	23.4	51
271	How nascent phagosomes mature to become phagolysosomes. <i>Trends in Immunology</i> , <b>2012</b> , 33, 397-405	14.4	195
270	Monitoring phospholipid dynamics during phagocytosis: application of genetically-encoded fluorescent probes. <i>Methods in Cell Biology</i> , <b>2012</b> , 108, 429-44	1.8	9
269	Regulation from within: the cytoskeleton in transmembrane signaling. <i>Trends in Cell Biology</i> , <b>2012</b> , 22, 515-26	18.3	73
268	V-ATPase-mediated phagosomal acidification is impaired by <i>Streptococcus pyogenes</i> through Mga-regulated surface proteins. <i>Microbes and Infection</i> , <b>2012</b> , 14, 1319-29	9.3	13
267	Activation of P2X(7) receptor by ATP plays an important role in regulating inflammatory responses during acute viral infection. <i>PLoS ONE</i> , <b>2012</b> , 7, e35812	3.7	67
266	Lysosomal calcium homeostasis defects, not proton pump defects, cause endo-lysosomal dysfunction in PSEN-deficient cells. <i>Journal of Cell Biology</i> , <b>2012</b> , 198, 23-35	7.3	151
265	The cell biology of phagocytosis. <i>Annual Review of Pathology: Mechanisms of Disease</i> , <b>2012</b> , 7, 61-98	34	581



264	Burkholderia cenocepacia disrupts host cell actin cytoskeleton by inactivating Rac and Cdc42. <i>Cellular Microbiology</i> , <b>2012</b> , 14, 239-54	3.9	28
263	Modulation of host phosphoinositide metabolism during Salmonella invasion by the type III secreted effector SopB. <i>Methods in Cell Biology</i> , <b>2012</b> , 108, 173-86	1.8	9
262	Recruitment of OCRL and Inpp5B to phagosomes by Rab5 and APPL1 depletes phosphoinositides and attenuates Akt signaling. <i>Molecular Biology of the Cell</i> , <b>2012</b> , 23, 176-87	3.5	107
261	Cell biology. Precursor or charge supplier?. <i>Science</i> , <b>2012</b> , 337, 653-4	33.3	12
260	Recruitment of OCRL and Inpp5B to phagosomes by Rab5 and APPL1 depletes phosphoinositides and attenuates Akt signaling. <i>FASEB Journal</i> , <b>2012</b> , 26, 1065.1	0.9	
259	Cytoskeletal control of CD36 diffusion promotes its receptor and signaling function. <i>Cell</i> , <b>2011</b> , 146, 593-606	56.2	176
258	Listeriolysin O suppresses phospholipase C-mediated activation of the microbicidal NADPH oxidase to promote Listeria monocytogenes infection. <i>Cell Host and Microbe</i> , <b>2011</b> , 10, 627-34	23.4	60
257	Salmonella exploits Arl8B-directed kinesin activity to promote endosome tubulation and cell-to-cell transfer. <i>Cellular Microbiology</i> , <b>2011</b> , 13, 1812-23	3.9	39
256	In situ measurement of the electrical potential across the lysosomal membrane using FRET. <i>Traffic</i> , <b>2011</b> , 12, 972-82	5.7	38
255	A weak base-generating system suitable for selective manipulation of lysosomal pH. <i>Traffic</i> , <b>2011</b> , 12, 1490-500	5.7	10
254	Membrane surface charge dictates the structure and function of the epithelial Na <sup>+</sup> /H <sup>+</sup> exchanger. <i>EMBO Journal</i> , <b>2011</b> , 30, 679-91	13	47
253	Phagocytosis. <i>Current Biology</i> , <b>2011</b> , 21, R533-8	6.3	53
252	Receptor mobility, the cytoskeleton, and particle binding during phagocytosis. <i>Current Opinion in Cell Biology</i> , <b>2011</b> , 23, 22-9	9	60
251	Phosphatidylserine is polarized and required for proper Cdc42 localization and for development of cell polarity. <i>Nature Cell Biology</i> , <b>2011</b> , 13, 1424-30	23.4	137
250	Na <sup>+</sup> /H <sup>+</sup> exchangers. <i>Comprehensive Physiology</i> , <b>2011</b> , 1, 2083-100	7.7	71
249	Evidence for a fence that impedes the diffusion of phosphatidylinositol 4,5-bisphosphate out of the forming phagosomes of macrophages. <i>Molecular Biology of the Cell</i> , <b>2011</b> , 22, 3498-507	3.5	63
248	Phosphorylation controls a dual-function polybasic nuclear localization sequence in the adapter protein SH2B1 to regulate its cellular function and distribution. <i>Journal of Cell Science</i> , <b>2011</b> , 124, 1542-52	5.3	13
247	High-resolution mapping reveals topologically distinct cellular pools of phosphatidylserine. <i>Journal of Cell Biology</i> , <b>2011</b> , 194, 257-75	7.3	214



246	Sensing phosphatidylserine in cellular membranes. <i>Sensors</i> , <b>2011</b> , 11, 1744-55	3.8	56
245	Sensors and regulators of intracellular pH. <i>Nature Reviews Molecular Cell Biology</i> , <b>2010</b> , 11, 50-61	48.7	1379
244	Sorting nexin 3 (SNX3) is a component of a tubular endosomal network induced by Salmonella and involved in maturation of the Salmonella-containing vacuole. <i>Cellular Microbiology</i> , <b>2010</b> , 12, 1352-67	3.9	56
243	Class I and class III phosphoinositide 3-kinases are required for actin polymerization that propels phagosomes. <i>Journal of Cell Biology</i> , <b>2010</b> , 191, 999-1012	7.3	71
242	Dynamic macrophage "probing" is required for the efficient capture of phagocytic targets. <i>Journal of Cell Biology</i> , <b>2010</b> , 191, 1205-18	7.3	102
241	BetaPix up-regulates Na <sup>+</sup> /H <sup>+</sup> exchanger 3 through a Shank2-mediated protein-protein interaction. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 8104-13	5.4	19
240	A cation counterflux supports lysosomal acidification. <i>Journal of Cell Biology</i> , <b>2010</b> , 189, 1171-86	7.3	197
239	Amiloride inhibits macropinocytosis by lowering submembranous pH and preventing Rac1 and Cdc42 signaling. <i>Journal of Cell Biology</i> , <b>2010</b> , 188, 547-63	7.3	563
238	Imaging signal transduction during phagocytosis: phospholipids, surface charge, and electrostatic interactions. <i>American Journal of Physiology - Cell Physiology</i> , <b>2010</b> , 299, C876-81	5.4	28
237	Inactivation of macrophage Rab7 by Burkholderia cenocepacia. <i>Journal of Innate Immunity</i> , <b>2010</b> , 2, 522-33	3.9	37
236	The phosphoinositide phosphatase SopB manipulates membrane surface charge and trafficking of the Salmonella-containing vacuole. <i>Cell Host and Microbe</i> , <b>2010</b> , 7, 453-62	23.4	121
235	The distribution and function of phosphatidylserine in cellular membranes. <i>Annual Review of Biophysics</i> , <b>2010</b> , 39, 407-27	21.1	623
234	In vivo requirement for Atg5 in antigen presentation by dendritic cells. <i>Immunity</i> , <b>2010</b> , 32, 227-39	32.3	372
233	Vesicular traffic: a Rab SANDwich. <i>Current Biology</i> , <b>2010</b> , 20, R311-4	6.3	15
232	Bone matrix proteins and extracellular acidification: potential co-regulators of osteoclast morphology. <i>Journal of Cellular Biochemistry</i> , <b>2010</b> , 111, 350-61	4.7	6
231	Adenoviral vectors stimulate innate immune responses in macrophages through cross-talk with epithelial cells. <i>Immunology Letters</i> , <b>2010</b> , 134, 93-102	4.1	13
230	Activation of antibacterial autophagy by NADPH oxidases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 6226-31	11.5	449
229	Restriction of Legionella pneumophila replication in macrophages requires concerted action of the transcriptional regulators Irf1 and Irf8 and nod-like receptors Naip5 and Nlrc4. <i>Infection and Immunity</i> , <b>2009</b> , 77, 4794-805	3.7	35

228	Uptake of oxidized low density lipoprotein by CD36 occurs by an actin-dependent pathway distinct from macropinocytosis. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 30288-97	5.4	39
227	An electrostatic switch displaces phosphatidylinositol phosphate kinases from the membrane during phagocytosis. <i>Journal of Cell Biology</i> , <b>2009</b> , 187, 701-14	7.3	71
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