

Spencer A Freeman

List of Publications by Citations

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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.

35 papers	1,215 citations	15 h-index	34 g-index
41 ext. papers	1,743 ext. citations	15.8 avg, IF	5.13 L-index

#	Paper	IF	Citations
35	Phagocytosis: receptors, signal integration, and the cytoskeleton. <i>Immunological Reviews</i> , 2014 , 262, 193-215	11.3	300
34	VAPs and ACBD5 tether peroxisomes to the ER for peroxisome maintenance and lipid homeostasis. <i>Journal of Cell Biology</i> , 2017 , 216, 367-377	7.3	142
33	Phosphoinositide 3-kinase enables phagocytosis of large particles by terminating actin assembly through Rac/Cdc42 GTPase-activating proteins. <i>Nature Communications</i> , 2015 , 6, 8623	17.4	110
32	Integrins Form an Expanding Diffusional Barrier that Coordinates Phagocytosis. <i>Cell</i> , 2016 , 164, 128-140	56.2	110
31	Transmembrane Pickets Connect Cyto- and Pericellular Skeletons Forming Barriers to Receptor Engagement. <i>Cell</i> , 2018 , 172, 305-317.e10	56.2	94
30	Lipid-gated monovalent ion fluxes regulate endocytic traffic and support immune surveillance. <i>Science</i> , 2020 , 367, 301-305	33.3	64
29	Diffusion Barriers, Mechanical Forces, and the Biophysics of Phagocytosis. <i>Developmental Cell</i> , 2016 , 38, 135-46	10.2	41
28	SnapShot:Macropinocytosis. <i>Cell</i> , 2017 , 169, 766-766.e1	56.2	38
27	Gliotoxin Suppresses Macrophage Immune Function by Subverting Phosphatidylinositol 3,4,5-Trisphosphate Homeostasis. <i>MBio</i> , 2016 , 7, e02242	7.8	38
26	Multistep Track Segmentation and Motion Classification for Transient Mobility Analysis. <i>Biophysical Journal</i> , 2018 , 114, 1018-1025	2.9	27
25	Dynamic Podosome-Like Structures in Nascent Phagosomes Are Coordinated by Phosphoinositides. <i>Developmental Cell</i> , 2019 , 50, 397-410.e3	10.2	25
24	Dual loss of p110 β PI3-kinase and SKAP (KNSTRN) expression leads to combined immunodeficiency and multisystem syndromic features. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 142, 618-629	11.5	22
23	Resolution of macropinosomes, phagosomes and autolysosomes: Osmotically driven shrinkage enables tubulation and vesiculation. <i>Traffic</i> , 2018 , 19, 965-974	5.7	19
22	Chemokine Signaling Enhances CD36 Responsiveness toward Oxidized Low-Density Lipoproteins and Accelerates Foam Cell Formation. <i>Cell Reports</i> , 2016 , 14, 2859-71	10.6	18
21	Phagocytosis by the Retinal Pigment Epithelium: Recognition, Resolution, Recycling. <i>Frontiers in Immunology</i> , 2020 , 11, 604205	8.4	15
20	Multimerization and Retention of the Scavenger Receptor SR-B1 in the Plasma Membrane. <i>Developmental Cell</i> , 2019 , 50, 283-295.e5	10.2	15
19	SnapShot: Enveloped Virus Entry. <i>Cell</i> , 2020 , 182, 786-786.e1	56.2	15

18	Applied stretch initiates directional invasion through the action of Rap1 GTPase as a tension sensor. <i>Journal of Cell Science</i> , 2017 , 130, 152-163	5.3	15
17	Picket-fences in the plasma membrane: functions in immune cells and phagocytosis. <i>Seminars in Immunopathology</i> , 2018 , 40, 605-615	12	13
16	The cytoskeleton in phagocytosis and macropinocytosis. <i>Current Biology</i> , 2021 , 31, R619-R632	6.3	12
15	Endomembrane Tension and Trafficking. <i>Frontiers in Cell and Developmental Biology</i> , 2020 , 8, 611326	5.7	11
14	Gain-of-function variants in SYK cause immune dysregulation and systemic inflammation in humans and mice. <i>Nature Genetics</i> , 2021 , 53, 500-510	36.3	11
13	SNX19 restricts endolysosome motility through contacts with the endoplasmic reticulum. <i>Nature Communications</i> , 2021 , 12, 4552	17.4	9
12	An Acquired and Endogenous Glycocalyx Forms a Bidirectional "Don't Eat" and "Don't Eat Me" Barrier to Phagocytosis. <i>Current Biology</i> , 2021 , 31, 77-89.e5	6.3	9
11	Phagocytosis: How Macrophages Tune Their Non-professional Counterparts. <i>Current Biology</i> , 2016 , 26, R1279-R1282	6.3	8
10	Phagocytosis: Mechanosensing, Traction Forces, and a Molecular Clutch. <i>Current Biology</i> , 2020 , 30, R24-R29	6.3	7
9	Stabilization of Endothelial Receptor Arrays by a Polarized Spectrin Cytoskeleton Facilitates Rolling and Adhesion of Leukocytes. <i>Cell Reports</i> , 2020 , 31, 107798	10.6	7
8	From the inside out: Ion fluxes at the centre of endocytic traffic. <i>Current Opinion in Cell Biology</i> , 2021 , 71, 77-86	9	7
7	The glycocalyx and immune evasion in cancer. <i>FEBS Journal</i> , 2021 ,	5.7	3
6	Unconventional role of lysosomes in phagocytosis. <i>Cell Calcium</i> , 2020 , 91, 102269	4	2
5	Promoters and Antagonists of Phagocytosis: A Plastic and Tunable Response. <i>Annual Review of Cell and Developmental Biology</i> , 2021 , 37, 89-114	12.6	2
4	Solutes as controllers of endomembrane dynamics. <i>Nature Reviews Molecular Cell Biology</i> , 2021 , 22, 237-253	4.3	2
3	Screening for Rho GTPase Modulators in Actin-Dependent Processes Exemplified by Phagocytosis. <i>Methods in Molecular Biology</i> , 2018 , 1821, 107-127	1.4	1
2	Inflammation-Induced Metastatic Colonization of the Lung Is Facilitated by Hepatocyte Growth Factor-Secreting Monocyte-Derived Macrophages. <i>Molecular Cancer Research</i> , 2021 , 19, 2096-2109	6.6	1
1	Solute Transport Controls Membrane Tension and Organellar Volume. <i>Cellular Physiology and Biochemistry</i> , 2021 , 55, 1-24	3.9	1

