Spencer A Freeman

List of Publications by Year in Descending Order

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	The glycocalyx and immune evasion in cancer. *FEBS Journal*, **2021**,	5.7	3
34	The cytoskeleton in phagocytosis and macropinocytosis. *Current Biology*, **2021**, 31, R619-R632	6.3	12
33	Promoters and Antagonists of Phagocytosis: A Plastic and Tunable Response. *Annual Review of Cell and Developmental Biology*, **2021**, 37, 89-114	12.6	2
32	SNX19 restricts endolysosome motility through contacts with the endoplasmic reticulum. *Nature Communications*, **2021**, 12, 4552	17.4	9
31	An Acquired and Endogenous Glycocalyx Forms a Bidirectional "Don't Eat" and "Don't Eat Me" Barrier to Phagocytosis. *Current Biology*, **2021**, 31, 77-89.e5	6.3	9
30	Solutes as controllers of endomembrane dynamics. *Nature Reviews Molecular Cell Biology*, **2021**, 22, 237-238	43.7	2
29	Gain-of-function variants in SYK cause immune dysregulation and systemic inflammation in humans and mice. *Nature Genetics*, **2021**, 53, 500-510	36.3	11
28	From the inside out: Ion fluxes at the centre of endocytic traffic. *Current Opinion in Cell Biology*, **2021**, 71, 77-86	9	7
27	Inflammation-Induced Metastatic Colonization of the Lung Is Facilitated by Hepatocyte Growth Factor-Secreting Monocyte-Derived Macrophages. *Molecular Cancer Research*, **2021**, 19, 2096-2109	6.6	1
26	Solute Transport Controls Membrane Tension and Organellar Volume. *Cellular Physiology and Biochemistry*, **2021**, 55, 1-24	3.9	1
25	Phagocytosis by the Retinal Pigment Epithelium: Recognition, Resolution, Recycling. *Frontiers in Immunology*, **2020**, 11, 604205	8.4	15
24	Unconventional role of lysosomes in phagocytosis. *Cell Calcium*, **2020**, 91, 102269	4	2
23	Phagocytosis: Mechanosensing, Traction Forces, and a Molecular Clutch. *Current Biology*, **2020**, 30, R24-R26	6.5	7
22	Lipid-gated monovalent ion fluxes regulate endocytic traffic and support immune surveillance. *Science*, **2020**, 367, 301-305	33.3	64
21	SnapShot: Enveloped Virus Entry. *Cell*, **2020**, 182, 786-786.e1	56.2	15
20	Stabilization of Endothelial Receptor Arrays by a Polarized Spectrin Cytoskeleton Facilitates Rolling and Adhesion of Leukocytes. *Cell Reports*, **2020**, 31, 107798	10.6	7
19	Endomembrane Tension and Trafficking. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 611326	5.7	11

18	Dynamic Podosome-Like Structures in Nascent Phagosomes Are Coordinated by Phosphoinositides. *Developmental Cell*, **2019**, 50, 397-410.e3	10.2	25
17	Multimerization and Retention of the Scavenger Receptor SR-B1 in the Plasma Membrane. *Developmental Cell*, **2019**, 50, 283-295.e5	10.2	15
16	Transmembrane Pickets Connect Cyto- and Pericellular Skeletons Forming Barriers to Receptor Engagement. *Cell*, **2018**, 172, 305-317.e10	56.2	94
15	Dual loss of p110δPI3-kinase and SKAP (KNSTRN) expression leads to combined immunodeficiency and multisystem syndromic features. *Journal of Allergy and Clinical Immunology*, **2018**, 142, 618-629	11.5	22
14	Multistep Track Segmentation and Motion Classification for Transient Mobility Analysis. *Biophysical Journal*, **2018**, 114, 1018-1025	2.9	27
13	Screening for Rho GTPase Modulators in Actin-Dependent Processes Exemplified by Phagocytosis. *Methods in Molecular Biology*, **2018**, 1821, 107-127	1.4	1
12	Resolution of macropinosomes, phagosomes and autolysosomes: Osmotically driven shrinkage enables tubulation and vesiculation. *Traffic*, **2018**, 19, 965-974	5.7	19
11	Picket-fences in the plasma membrane: functions in immune cells and phagocytosis. *Seminars in Immunopathology*, **2018**, 40, 605-615	12	13
10	VAPs and ACBD5 tether peroxisomes to the ER for peroxisome maintenance and lipid homeostasis. *Journal of Cell Biology*, **2017**, 216, 367-377	7.3	142
9	SnapShot:Macropinocytosis. *Cell*, **2017**, 169, 766-766.e1	56.2	38
8	Applied stretch initiates directional invasion through the action of Rap1 GTPase as a tension sensor. *Journal of Cell Science*, **2017**, 130, 152-163	5.3	15
7	Chemokine Signaling Enhances CD36 Responsiveness toward Oxidized Low-Density Lipoproteins and Accelerates Foam Cell Formation. *Cell Reports*, **2016**, 14, 2859-71	10.6	18
6	Integrins Form an Expanding Diffusional Barrier that Coordinates Phagocytosis. *Cell*, **2016**, 164, 128-140	56.2	110
5	Phagocytosis: How Macrophages Tune Their Non-professional Counterparts. *Current Biology*, **2016**, 26, R1279-R1282	6.3	8
4	Gliotoxin Suppresses Macrophage Immune Function by Subverting Phosphatidylinositol 3,4,5-Trisphosphate Homeostasis. *MBio*, **2016**, 7, e02242	7.8	38
3	Diffusion Barriers, Mechanical Forces, and the Biophysics of Phagocytosis. *Developmental Cell*, **2016**, 38, 135-46	10.2	41
2	Phosphoinositide 3-kinase enables phagocytosis of large particles by terminating actin assembly through Rac/Cdc42 GTPase-activating proteins. *Nature Communications*, **2015**, 6, 8623	17.4	110
1	Phagocytosis: receptors, signal integration, and the cytoskeleton. *Immunological Reviews*, **2014**, 262, 193-215	11.3	300