Spencer A Freeman

List of Publications by Year
in descending order

36 papers	2,128 citations	331670 21 h-index	345221 36 g-index
41 all docs	41 docs citations	41 times ranked	3228 citing authors

#	Article	IF	Citations
1	Phagocytosis: receptors, signal integration, and the cytoskeleton. Immunological Reviews, 2014, 262, 193-215.	6.0	418
2	VAPs and ACBD5 tether peroxisomes to the ER for peroxisome maintenance and lipid homeostasis. Journal of Cell Biology, 2017, 216, 367-377.	5.2	214
3	Transmembrane Pickets Connect Cyto- and Pericellular Skeletons Forming Barriers to Receptor Engagement. Cell, 2018, 172, 305-317.e10.	28.9	170
4	Integrins Form an Expanding Diffusional Barrier that Coordinates Phagocytosis. Cell, 2016, 164, 128-140.	28.9	163
5	Phosphoinositide 3-kinase enables phagocytosis of large particles by terminating actin assembly through Rac/Cdc42 GTPase-activating proteins. Nature Communications, 2015, 6, 8623.	12.8	155
6	Lipid-gated monovalent ion fluxes regulate endocytic traffic and support immune surveillance. Science, 2020, 367, 301-305.	12.6	104
7	The cytoskeleton in phagocytosis and macropinocytosis. Current Biology, 2021, 31, R619-R632.	3.9	79
8	Phagocytosis by the Retinal Pigment Epithelium: Recognition, Resolution, Recycling. Frontiers in Immunology, 2020, 11, 604205.	4.8	64
9	Multistep Track Segmentation and Motion Classification for Transient Mobility Analysis. Biophysical Journal, 2018, 114, 1018-1025.	0.5	59
10	Gain-of-function variants in SYK cause immune dysregulation and systemic inflammation in humans and mice. Nature Genetics, 2021, 53, 500-510.	21.4	56
11	Gliotoxin Suppresses Macrophage Immune Function by Subverting Phosphatidylinositol 3,4,5-Trisphosphate Homeostasis. MBio, 2016, 7, e02242.	4.1	54
12	SnapShot:Macropinocytosis. Cell, 2017, 169, 766-766.e1.	28.9	52
13	Diffusion Barriers, Mechanical Forces, and the Biophysics of Phagocytosis. Developmental Cell, 2016, 38, 135-146.	7.0	51
14	Dynamic Podosome-Like Structures in Nascent Phagosomes Are Coordinated by Phosphoinositides. Developmental Cell, 2019, 50, 397-410.e3.	7.0	44
15	An Acquired and Endogenous Glycocalyx Forms a Bidirectional â€œDonâ€™t Eatâ€•and â€œDonâ€™t Eat Meâ€•Barrier to Phagocytosis. Current Biology, 2021, 31, 77-89.e5.	3.9	34
16	Dual loss of p110Î´ PI3-kinase and SKAP (KNSTRN) expression leads to combined immunodeficiency and multisystem syndromic features. Journal of Allergy and Clinical Immunology, 2018, 142, 618-629.	2.9	33
17	Resolution of macropinosomes, phagosomes and autolysosomes: Osmotically driven shrinkage enables tubulation and vesiculation. Traffic, 2018, 19, 965-974.	2.7	33
18	Multimerization and Retention of the Scavenger Receptor SR-B1 in the Plasma Membrane. Developmental Cell, 2019, 50, 283-295.e5.	7.0	33

#	Article	IF	Citations
19	SNX19 restricts endolysosome motility through contacts with the endoplasmic reticulum. Nature Communications, 2021, 12, 4552.	12.8	33
20	SnapShot: Enveloped Virus Entry. Cell, 2020, 182, 786-786.e1.	28.9	32
21	Endomembrane Tension and Trafficking. Frontiers in Cell and Developmental Biology, 2020, 8, 611326.	3.7	30
22	The spectrin cytoskeleton integrates endothelial mechanoresponses. Nature Cell Biology, 2022, 24, 1226-1238.	10.3	29
23	Chemokine Signaling Enhances CD36 Responsiveness toward Oxidized Low-Density Lipoproteins and Accelerates Foam Cell Formation. Cell Reports, 2016, 14, 2859-2871.	6.4	26
24	Picket-fences in the plasma membrane: functions in immune cells and phagocytosis. Seminars in Immunopathology, 2018, 40, 605-615.	6.1	24
25	Stabilization of Endothelial Receptor Arrays by a Polarized Spectrin Cytoskeleton Facilitates Rolling and Adhesion of Leukocytes. Cell Reports, 2020, 31, 107798.	6.4	19
26	From the inside out: Ion fluxes at the centre of endocytic traffic. Current Opinion in Cell Biology, 2021, 71, 77-86.	5.4	19
27	The glycocalyx and immune evasion in cancer. FEBS Journal, 2023, 290, 55-65.	4.7	18
28	Applied stretch initiates directional invasion via the action of Rap1 GTPase as a tension sensor. Journal of Cell Science, 2017, 130, 152-163.	2.0	17
29	Phagocytosis: How Macrophages Tune Their Non-professional Counterparts. Current Biology, 2016, 26, R1279-R1282.	3.9	15
30	Solute Transport Controls Membrane Tension and Organellar Volume. Cellular Physiology and Biochemistry, 2021, 55, 1-24.	1.6	11
31	Phagocytosis: Mechanosensing, Traction Forces, andÂa Molecular Clutch. Current Biology, 2020, 30, R24-R26.	3.9	10
32	Promoters and Antagonists of Phagocytosis: A Plastic and Tunable Response. Annual Review of Cell and Developmental Biology, 2021, 37, 89-114.	9.4	10
33	Solutes as controllers of endomembrane dynamics. Nature Reviews Molecular Cell Biology, 2021, 22, 237-238.	37.0	9
34	Inflammation-Induced Metastatic Colonization of the Lung Is Facilitated by Hepatocyte Growth Factor-Secreting Monocyte-Derived Macrophages. Molecular Cancer Research, 2021, 19, 2096-2109.	3.4	5
35	Unconventional role of lysosomes in phagocytosis. Cell Calcium, 2020, 91, 102269.	2.4	3
36	Screening for Rho GTPase Modulators in Actin-Dependent Processes Exemplified by Phagocytosis. Methods in Molecular Biology, 2018, 1821, 107-127.	0.9	1