Neal M Alto

List of Publications by Year
in descending order

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35 papers	2,433 citations	304743 22 h-index	414414 32 g-index
39 all docs	39 docs citations	39 times ranked	3297 citing authors

#	Article	IF	Citations
1	STING Activation by Translocation from the ER Is Associated with Infection and Autoinflammatory Disease. Cell Host and Microbe, 2015, 18, 157-168.	11.0	424
2	Identification of a Bacterial Type III Effector Family with G Protein Mimicry Functions. Cell, 2006, 124, 133-145.	28.9	246
3	Bacteria Fighting Back: How Pathogens Target and Subvert the Host Innate Immune System. Molecular Cell, 2014, 54, 321-328.	9.7	190
4	Structure and Function of Salmonella SifA Indicate that Its Interactions with SKIP, SseJ, and RhoA Family GTPases Induce Endosomal Tubulation. Cell Host and Microbe, 2008, 4, 434-446.	11.0	159
5	Proteolytic elimination of N-myristoyl modifications by the Shigella virulence factor IpaJ. Nature, 2013, 496, 106-109.	27.8	139
6	Structural insights into host GTPase isoform selection by a family of bacterial GEF mimics. Nature Structural and Molecular Biology, 2009, 16, 853-860.	8.2	133
7	The type III effector EspF coordinates membrane trafficking by the spatiotemporal activation of two eukaryotic signaling pathways. Journal of Cell Biology, 2007, 178, 1265-1278.	5.2	112
8	Subversion of Cell Signaling by Pathogens. Cold Spring Harbor Perspectives in Biology, 2012, 4, a006114-a006114.	5.5	101
9	Pathogenic ubiquitination of GSDMB inhibits NK cell bactericidal functions. Cell, 2021, 184, 3178-3191.e18.	28.9	99
10	The assembly of a GTPaseâ€“kinase signalling complex by a bacterial catalytic scaffold. Nature, 2011, 469, 107-111.	27.8	98
11	Oxysterols provide innate immunity to bacterial infection by mobilizing cell surface accessible cholesterol. Nature Microbiology, 2020, 5, 929-942.	13.3	96
12	Myristoylome Profiling Reveals a Concerted Mechanism of ARF GTPase Deacylation by the Bacterial Protease IpaJ. Molecular Cell, 2015, 58, 110-122.	9.7	72
13	Shigella flexneri suppresses NF-ÎºB activation by inhibiting linear ubiquitin chain ligation. Nature Microbiology, 2016, 1, 16084.	13.3	72
14	Dynamin regulates the dynamics and mechanical strength of the actin cytoskeleton as a multifilament actin-bundling protein. Nature Cell Biology, 2020, 22, 674-688.	10.3	70
15	A systematic exploration of the interactions between bacterial effector proteins and host cell membranes. Nature Communications, 2017, 8, 532.	12.8	64
16	A NIKâ€“SIX signalling axis controls inflammation by targeted silencing of non-canonical NF-ÎºB. Nature, 2019, 568, 249-253.	27.8	43
17	Mimicking GEFs: a common theme for bacterial pathogens. Cellular Microbiology, 2012, 14, 10-18.	2.1	38
18	Identification of F-actin as the Dynamic Hub in a Microbial-Induced GTPase Polarity Circuit. Cell, 2012, 148, 803-815.	28.9	33

#	Article	IF	Citations
19	How Bacteria Subvert Animal Cell Structure and Function. Annual Review of Cell and Developmental Biology, 2016, 32, 373-397.	9.4	33
20	Selective Protection of an ARF1-GTP Signaling Axis by a Bacterial Scaffold Induces Bidirectional Trafficking Arrest. Cell Reports, 2014, 6, 878-891.	6.4	31
21	Screening Mycobacterium tuberculosis Secreted Proteins Identifies Mpt64 as a Eukaryotic Membrane-Binding Bacterial Effector. MSphere, 2019, 4, .	2.9	30
22	Cell-Based Screen Identifies Human Interferon-Stimulated Regulators of Listeria monocytogenes Infection. PLoS Pathogens, 2016, 12, e1006102.	4.7	26
23	Express Your LOV: An Engineered Flavoprotein as a Reporter for Protein Expression and Purification. PLoS ONE, 2012, 7, e52962.	2.5	24
24	Cooperative Immune Suppression by Escherichia coli and Shigella Effector Proteins. Infection and Immunity, 2018, 86, .	2.2	17
25	Overexpression screen of interferon-stimulated genes identifies RARRES3 as a restrictor of Toxoplasma gondii infection. ELife, 2021, 10, .	6.0	15
26	Mimicking small G-proteins: an emerging theme from the bacterial virulence arsenal. Cellular Microbiology, 2008, 10, 566-575.	2.1	14
27	Activation of PAK by a bacterial type III effector EspG reveals alternative mechanisms of GTPase pathway regulation.. Small GTPases, 2011, 2, 217-221.	1.6	14
28	Systematic reconstruction of an effector-gene network reveals determinants of Salmonella cellular and tissue tropism. Cell Host and Microbe, 2021, 29, 1531-1544.e9.	11.0	12
29	Correlative Light and Electron Microscopy (CLEM) as a Tool to Visualize Microinjected Molecules and their Eukaryotic Sub-cellular Targets. Journal of Visualized Experiments, 2012, , e3650.	0.3	11
30	Analysis of Rhoâ€GTPase Mimicry by a Family of Bacterial Type III Effector Proteins. Methods in Enzymology, 2008, 439, 131-143.	1.0	8
31	Accessible cholesterol is localized in bacterial plasma membrane protrusions. Journal of Lipid Research, 2020, 61, 1538.	4.2	5
32	ADAP1 promotes latent HIV-1 reactivation by selectively tuning KRASâ€“ERKâ€“AP-1 T cell signaling-transcriptional axis. Nature Communications, 2022, 13, 1109.	12.8	2
33	Identification and Characterization of Novel Mycobacterium tuberculosis-Secreted Virulence Proteins. Open Forum Infectious Diseases, 2016, 3, .	0.9	0
34	Toxins, mutations and adaptations. ELife, 2021, 10, .	6.0	0
35	Probing mechanisms of cell polarity and membrane trafficking using bacterial effector molecules.. FASEB Journal, 2013, 27, 326.1.	0.5	0