Jacob S Yount

List of Publications by Year
in descending order

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61 papers	3,975 citations	117571 34 h-index	133188 59 g-index
74 all docs	74 docs citations	74 times ranked	5531 citing authors

#	Article	IF	Citations
1	Inhibition of SARS-CoV-2 Infection by Human Defensin HNP1 and Retrocyclin RC-101. Journal of Molecular Biology, 2022, 434, 167225.	2.0	19
2	BEX1 is a critical determinant of viral myocarditis. PLoS Pathogens, 2022, 18, e1010342.	2.1	0
3	Influenza virus replication in cardiomyocytes drives heart dysfunction and fibrosis. Science Advances, 2022, 8, eabm5371.	4.7	11
4	Caspase-4/11 exacerbates disease severity in SARSâ€“CoV-2 infection by promoting inflammation and immunothrombosis. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2202012119.	3.3	25
5	Recombinant MG53 Protein Protects Mice from Lethal Influenza Virus Infection. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 254-257.	2.5	15
6	A safe and highly efficacious measles virus-based vaccine expressing SARS-CoV-2 stabilized prefusion spike. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	48
7	Protein S -palmitoylation in immunity. Open Biology, 2021, 11, 200411.	1.5	23
8	Moderately pathogenic maternal influenza A virus infection disrupts placental integrity but spares the fetal brain. Brain, Behavior, and Immunity, 2021, 96, 28-39.	2.0	13
9	SERINC proteins potentiate antiviral type I IFN production and proinflammatory signaling pathways. Science Signaling, 2021, 14, eabc7611.	1.6	13
10	A bioorthogonal chemical reporter for fatty acid synthaseâ€“dependent protein acylation. Journal of Biological Chemistry, 2021, 297, 101272.	1.6	4
11	Viral transport media for COVID-19 testing. MethodsX, 2021, 8, 101433.	0.7	4
12	Rationally Designed ACE2-Derived Peptides Inhibit SARS-CoV-2. Bioconjugate Chemistry, 2021, 32, 215-223.	1.8	70
13	Opposing activities of IFITM proteins in SARSâ€CoVâ€2 infection. EMBO Journal, 2021, 40, e106501.	3.5	172
14	Phosphor-IWS1-dependent U2AF2 splicing regulates trafficking of CAR-E-positive intronless gene mRNAs and sensitivity to viral infection. Communications Biology, 2021, 4, 1179.	2.0	2
15	The dNTPase activity of SAMHD1 is important for its suppression of innate immune responses in differentiated monocytic cells. Journal of Biological Chemistry, 2020, 295, 1575-1586.	1.6	14
16	MG53 suppresses interferon-Î² and inflammation via regulation of ryanodine receptor-mediated intracellular calcium signaling. Nature Communications, 2020, 11, 3624.	5.8	32
17	Butyrate Reprograms Expression of Specific Interferon-Stimulated Genes. Journal of Virology, 2020, 94, .	1.5	45
18	Macaque interferon-induced transmembrane proteins limit replication of SHIV strains in an Envelope-dependent manner. PLoS Pathogens, 2019, 15, e1007925.	2.1	11

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19	IFITM3 protects the heart during influenza virus infection. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18607-18612.	3.3	65
20	Interferon-induced transmembrane proteins inhibit cell fusion mediated by trophoblast syncytins. Journal of Biological Chemistry, 2019, 294, 19844-19851.	1.6	53
21	From APOBEC to ZAP: Diverse mechanisms used by cellular restriction factors to inhibit virus infections. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 382-394.	1.9	71
22	SAMHD1 suppresses innate immune responses to viral infections and inflammatory stimuli by inhibiting the NF-Î¹B and interferon pathways. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E3798-E3807.	3.3	88
23	A balancing act between IFITM3 and IRF3. Cellular and Molecular Immunology, 2018, 15, 873-874.	4.8	7
24	Checks and Balances between Autophagy and Inflammasomes during Infection. Journal of Molecular Biology, 2018, 430, 174-192.	2.0	41
25	Antiviral Protection by IFITM3 In Vivo. Current Clinical Microbiology Reports, 2018, 5, 229-237.	1.8	70
26	IFITM3 Restricts Human Metapneumovirus Infection. Journal of Infectious Diseases, 2018, 218, 1582-1591.	1.9	21
27	Epigallocatechin-3-gallate inhibits bacterial virulence and invasion of host cells. Bioorganic and Medicinal Chemistry, 2017, 25, 2883-2887.	1.4	19
28	The palmitoyltransferase ZDHHC20 enhances interferon-induced transmembrane protein 3 (IFITM3) palmitoylation and antiviral activity. Journal of Biological Chemistry, 2017, 292, 21517-21526.	1.6	74
29	<scp>IFITM</scp> 3 requires an amphipathic helix for antiviral activity. EMBO Reports, 2017, 18, 1740-1751.	2.0	99
30	Human Genetic Determinants of Viral Diseases. Annual Review of Genetics, 2017, 51, 241-263.	3.2	117
31	Natural mutations in <scp>IFITM</scp>3 modulate postâ€translational regulation and toggle antiviral specificity. EMBO Reports, 2016, 17, 1657-1671.	2.0	93
32	Mass-tag labeling reveals site-specific and endogenous levels of protein S-fatty acylation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4302-4307.	3.3	145
33	SAMHD1-mediated HIV-1 restriction in cells does not involve ribonuclease activity. Nature Medicine, 2016, 22, 1072-1074.	15.2	85
34	A Putative Cyclin-binding Motif in Human SAMHD1 Contributes to Protein Phosphorylation, Localization, and Stability. Journal of Biological Chemistry, 2016, 291, 26332-26342.	1.6	21
35	Antibacterial Flavonoids from Medicinal Plants Covalently Inactivate Type III Protein Secretion Substrates. Journal of the American Chemical Society, 2016, 138, 2209-2218.	6.6	87
36	Phosphorylation of mouse SAMHD1 regulates its restriction of human immunodeficiency virus type 1 infection, but not murine leukemia virus infection. Virology, 2016, 487, 273-284.	1.1	27

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37	IFITMs from Mycobacteria Confer Resistance to Influenza Virus When Expressed in Human Cells. Viruses, 2015, 7, 3035-3052.	1.5	22
38	E3 Ubiquitin Ligase NEDD4 Promotes Influenza Virus Infection by Decreasing Levels of the Antiviral Protein IFITM3. PLoS Pathogens, 2015, 11, e1005095.	2.1	98
39	Phosphorylation of the Antiviral Protein Interferon-inducible Transmembrane Protein 3 (IFITM3) Dually Regulates Its Endocytosis and Ubiquitination. Journal of Biological Chemistry, 2014, 289, 11986-11992.	1.6	123
40	Chemoproteomics reveals Toll-like receptor fatty acylation. BMC Biology, 2014, 12, 91.	1.7	66
41	Regulation of the trafficking and antiviral activity of IFITM3 by post-translational modifications. Future Microbiology, 2014, 9, 1151-1163.	1.0	63
42	Identification of Cellular Proteins Interacting with the Retroviral Restriction Factor SAMHD1. Journal of Virology, 2014, 88, 5834-5844.	1.5	92
43	Emerging roles for protein S-palmitoylation in immunity from chemical proteomics. Current Opinion in Chemical Biology, 2013, 17, 27-33.	2.8	32
44	Palmitoylation on Conserved and Nonconserved Cysteines of Murine IFITM1 Regulates Its Stability and Anti-Influenza A Virus Activity. Journal of Virology, 2013, 87, 9923-9927.	1.5	67
45	S-Palmitoylation and Ubiquitination Differentially Regulate Interferon-induced Transmembrane Protein 3 (IFITM3)-mediated Resistance to Influenza Virus. Journal of Biological Chemistry, 2012, 287, 19631-19641.	1.6	169
46	Bioorthogonal proteomics of 15-hexadecynyloxyacetic acid chemical reporter reveals preferential targeting of fatty acid modified proteins and biosynthetic enzymes. Bioorganic and Medicinal Chemistry, 2012, 20, 650-654.	1.4	25
47	Alkynyl-farnesol reporters for detection ofproteinS-prenylation in cells. Molecular BioSystems, 2011, 7, 67-73.	2.9	46
48	The Virion Host Shutoff Protein of Herpes Simplex Virus 1 Blocks the Replication-Independent Activation of NF-Î²B in Dendritic Cells in the Absence of Type I Interferon Signaling. Journal of Virology, 2011, 85, 12662-12672.	1.5	49
49	Unique Type I Interferon Responses Determine the Functional Fate of Migratory Lung Dendritic Cells during Influenza Virus Infection. PLoS Pathogens, 2011, 7, e1002345.	2.1	90
50	Visualization and Identification of Fatty Acylated Proteins Using Chemical Reporters. Current Protocols in Chemical Biology, 2011, 3, 65-79.	1.7	20
51	Palmitoylome profiling reveals S-palmitoylationâ€“dependent antiviral activity of IFITM3. Nature Chemical Biology, 2010, 6, 610-614.	3.9	314
52	The Virion Host Shut-Off (vhs) Protein Blocks a TLR-Independent Pathway of Herpes Simplex Virus Type 1 Recognition in Human and Mouse Dendritic Cells. PLoS ONE, 2010, 5, e8684.	1.1	36
53	Visible Fluorescence Detection of Type III Protein Secretion from Bacterial Pathogens. Journal of the American Chemical Society, 2010, 132, 8244-8245.	6.6	16
54	Robust Fluorescent Detection of Protein Fatty-Acylation with Chemical Reporters. Journal of the American Chemical Society, 2009, 131, 4967-4975.	6.6	280

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55	The tumour suppressor CYLD is a negative regulator of RIGâ€Ìâ€mediated antiviral response. EMBO Reports, 2008, 9, 930-936.	2.0	296
56	MDA5 Participates in the Detection of Paramyxovirus Infection and Is Essential for the Early Activation of Dendritic Cells in Response to Sendai Virus Defective Interfering Particles. Journal of Immunology, 2008, 180, 4910-4918.	0.4	105
57	Cytokine-Independent Upregulation of MDA5 in Viral Infection. Journal of Virology, 2007, 81, 7316-7319.	1.5	45
58	Cytokine-Independent Upregulation of MDA5 in Viral Infection. Journal of Virology, 2007, 81, 9609-9609.	1.5	1
59	Toll-Like Receptor-Independent Triggering of Dendritic Cell Maturation by Viruses. Journal of Virology, 2006, 80, 3128-3134.	1.5	28
60	Sendai Virus Infection Induces Efficient Adaptive Immunity Independently of Type I Interferons. Journal of Virology, 2006, 80, 4538-4545.	1.5	32
61	A Novel Role for Viral-Defective Interfering Particles in Enhancing Dendritic Cell Maturation. Journal of Immunology, 2006, 177, 4503-4513.	0.4	101