Leo C James

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8201136/publications.pdf

Version: 2024-02-01

		53660	56606
89	11,227	45	83
papers	citations	h-index	g-index

104	104	104	14340
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Altered TMPRSS2 usage by SARS-CoV-2 Omicron impacts infectivity and fusogenicity. Nature, 2022, 603, 706-714.	13.7	756
2	The molecular mechanisms that drive intracellular neutralization by the antibody-receptor and RING E3 ligase TRIM21. Seminars in Cell and Developmental Biology, 2022, 126, 99-107.	2.3	12
3	Potent TRIM21 and complement-dependent intracellular antiviral immunity requires the IgG3 hinge. Science Immunology, 2022, 7, eabj1640.	5.6	14
4	Cholesterol determines the cytosolic entry and seeded aggregation of tau. Cell Reports, 2022, 39, 110776.	2.9	19
5	Viral nucleoprotein antibodies activate TRIM21 and induce T cell immunity. EMBO Journal, 2021, 40, e106228.	3.5	46
6	Furin cleavage of SARS-CoV-2 Spike promotes but is not essential for infection and cell-cell fusion. PLoS Pathogens, 2021, 17, e1009246.	2.1	268
7	RING domains act as both substrate and enzyme in a catalytic arrangement to drive self-anchored ubiquitination. Nature Communications, 2021, 12, 1220.	5.8	26
8	Target-induced clustering activates Trim-Away of pathogens and proteins. Nature Structural and Molecular Biology, 2021, 28, 278-289.	3.6	44
9	A lysine ring in HIV capsid pores coordinates IP6 to drive mature capsid assembly. PLoS Pathogens, 2021, 17, e1009164.	2.1	32
10	Tau assemblies do not behave like independently acting prion-like particles in mouse neural tissue. Acta Neuropathologica Communications, 2021, 9, 41.	2.4	15
11	A stable immature lattice packages IP ₆ for HIV capsid maturation. Science Advances, 2021, 7, .	4.7	44
12	Recurrent emergence of SARS-CoV-2 spike deletion H69/V70 and its role in the Alpha variant B.1.1.7. Cell Reports, 2021, 35, 109292.	2.9	375
13	A functional assay for serum detection of antibodies against SARSâ€CoVâ€2 nucleoprotein. EMBO Journal, 2021, 40, e108588.	3.5	19
14	Critical Care Workers Have Lower Seroprevalence of SARS-CoV-2 IgG Compared with Non-patient Facing Staff in First Wave of COVID19. The Journal of Critical Care Medicine, 2021, 7, 199-210.	0.3	4
15	Singleâ€dose immunisation with a multimerised SARSâ€CoVâ€2 receptor binding domain (RBD) induces an enhanced and protective response in mice. FEBS Letters, 2021, 595, 2323-2340.	1.3	24
16	Sequences in the cytoplasmic tail of SARS-CoV-2 Spike facilitate expression at the cell surface and syncytia formation. Nature Communications, 2021, 12, 5333.	5.8	64
17	SARS-CoV-2 B.1.617.2 Delta variant replication and immune evasion. Nature, 2021, 599, 114-119.	13.7	1,041
18	Analysis of Serological Biomarkers of SARS-CoV-2 Infection in Convalescent Samples From Severe, Moderate and Mild COVID-19 Cases. Frontiers in Immunology, 2021, 12, 748291.	2.2	29

#	Article	IF	Citations
19	SARS-CoV-2 Infects the Brain Choroid Plexus and Disrupts the Blood-CSF Barrier in Human Brain Organoids. Cell Stem Cell, 2020, 27, 951-961.e5.	5.2	388
20	Combined Point-of-Care Nucleic Acid and Antibody Testing for SARS-CoV-2 following Emergence of D614G Spike Variant. Cell Reports Medicine, 2020, 1, 100099.	3.3	61
21	A thermostable, closed SARS-CoV-2 spike protein trimer. Nature Structural and Molecular Biology, 2020, 27, 934-941.	3.6	261
22	Intracellular neutralisation of rotavirus by VP6-specific IgG. PLoS Pathogens, 2020, 16, e1008732.	2.1	44
23	Intracellular antibody immunity and its applications. PLoS Pathogens, 2020, 16, e1008657.	2.1	2
24	Intracellular neutralisation of rotavirus by VP6-specific IgG. , 2020, 16, e1008732.		0
25	Intracellular neutralisation of rotavirus by VP6-specific IgG. , 2020, 16, e1008732.		0
26	Intracellular neutralisation of rotavirus by VP6-specific IgG. , 2020, 16, e1008732.		0
27	Intracellular neutralisation of rotavirus by VP6-specific IgG. , 2020, 16, e1008732.		0
28	Intracellular neutralisation of rotavirus by VP6-specific IgG. , 2020, 16, e1008732.		0
29	Intracellular neutralisation of rotavirus by VP6-specific IgG. , 2020, 16, e1008732.		0
30	The HIV-1 Capsid: More than Just a Delivery Package. Advances in Experimental Medicine and Biology, 2019, 1215, 69-83.	0.8	6
31	Antibody and DNA sensing pathways converge to activate the inflammasome during primary human macrophage infection. EMBO Journal, 2019, 38, e101365.	3.5	33
32	Building Complexity: Making and Breaking Synthetic Subunits of the HIV Capsid. Cell Host and Microbe, 2019, 26, 151-153.	5.1	0
33	TRIM21â€"From Intracellular Immunity to Therapy. Frontiers in Immunology, 2019, 10, 2049.	2.2	85
34	A tri-ionic anchor mechanism drives Ube2N-specific recruitment and K63-chain ubiquitination in TRIM ligases. Nature Communications, 2019, 10, 4502.	5.8	32
35	Complement C4 Prevents Viral Infection through Capsid Inactivation. Cell Host and Microbe, 2019, 25, 617-629.e7.	5.1	53
36	Cellular IP6 Levels Limit HIV Production while Viruses that Cannot Efficiently Package IP6 Are Attenuated for Infection and Replication. Cell Reports, 2019, 29, 3983-3996.e4.	2.9	65

#	Article	IF	Citations
37	Rare missense variants in the human cytosolic antibody receptor preserve antiviral function. ELife, 2019, 8, .	2.8	9
38	Characterization of innate immune viral sensors in patients following allogeneic hematopoietic stem cell transplantation. Innate Immunity, 2018, 24, 112-121.	1.1	1
39	Intracellular Antiviral Immunity. Advances in Virus Research, 2018, 100, 309-354.	0.9	27
40	IP6 Regulation of HIV Capsid Assembly, Stability, and Uncoating. Viruses, 2018, 10, 640.	1.5	57
41	Trivalent RING Assembly on Retroviral Capsids Activates TRIM5ÂUbiquitination and Innate Immune Signaling. Cell Host and Microbe, 2018, 24, 761-775.e6.	5.1	82
42	Acute and rapid degradation of endogenous proteins by Trim-Away. Nature Protocols, 2018, 13, 2149-2175.	5.5	108
43	TRIM21 mediates antibody inhibition of adenovirus-based gene delivery and vaccination. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 10440-10445.	3.3	49
44	Intracellular antibody signalling is regulated by phosphorylation of the Fc receptor TRIM21. ELife, 2018, 7, .	2.8	57
45	The Human Immunodeficiency Virus Capsid Is More Than Just a Genome Package. Annual Review of Virology, 2018, 5, 209-225.	3.0	15
46	IP6 is an HIV pocket factor that prevents capsid collapse and promotes DNA synthesis. ELife, 2018, 7, .	2.8	131
47	Cytosolic Fc receptor TRIM21 inhibits seeded tau aggregation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 574-579.	3.3	143
48	A Method for the Acute and Rapid Degradation of Endogenous Proteins. Cell, 2017, 171, 1692-1706.e18.	13.5	342
49	Characterization of host proteins interacting with the lymphocytic choriomeningitis virus L protein. PLoS Pathogens, 2017, 13, e1006758.	2.1	19
50	Antibody-antigen kinetics constrain intracellular humoral immunity. Scientific Reports, 2016, 6, 37457.	1.6	27
51	HIV-1 uses dynamic capsid pores to import nucleotides and fuel encapsidated DNA synthesis. Nature, 2016, 536, 349-353.	13.7	190
52	TRIM21 Immune Signaling Is More Sensitive to Antibody Affinity Than Its Neutralization Activity. Journal of Immunology, 2016, 196, 3452-3459.	0.4	34
53	Coordinated Neutralization and Immune Activation by the Cytosolic Antibody Receptor TRIM21. Journal of Virology, 2016, 90, 4856-4859.	1.5	31
54	Structural and Mechanistic Insights into the Regulation of the Fundamental Rho Regulator RhoGDIÎ± by Lysine Acetylation. Journal of Biological Chemistry, 2016, 291, 5484-5499.	1.6	45

#	Article	IF	Citations
55	<scp>TRIM</scp>21: a cytosolic Fc receptor with broad antibody isotype specificity. Immunological Reviews, 2015, 268, 328-339.	2.8	78
56	TRIM21 Promotes cGAS and RIG-I Sensing of Viral Genomes during Infection by Antibody-Opsonized Virus. PLoS Pathogens, 2015, 11, e1005253.	2.1	81
57	Activation of Human Î³Î´ T Cells by Cytosolic Interactions of BTN3A1 with Soluble Phosphoantigens and the Cytoskeletal Adaptor Periplakin. Journal of Immunology, 2015, 194, 2390-2398.	0.4	130
58	HIV-1 Resistance to the Capsid-Targeting Inhibitor PF74 Results in Altered Dependence on Host Factors Required for Virus Nuclear Entry. Journal of Virology, 2015, 89, 9068-9079.	1.5	49
59	Sequential ubiquitination and deubiquitination enzymes synchronize the dual sensor and effector functions of TRIM21. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 10014-10019.	3.3	112
60	Translocalized IgA mediates neutralization and stimulates innate immunity inside infected cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13463-13468.	3.3	69
61	Host Cofactors and Pharmacologic Ligands Share an Essential Interface in HIV-1 Capsid That Is Lost upon Disassembly. PLoS Pathogens, 2014, 10, e1004459.	2.1	238
62	Antibody- and TRIM21-dependent intracellular restriction ofSalmonella enterica. Pathogens and Disease, 2014, 72, n/a-n/a.	0.8	29
63	Intracellular Antibody Immunity and the Cytosolic Fc Receptor TRIM21. Current Topics in Microbiology and Immunology, 2014, 382, 51-66.	0.7	18
64	Intracellular sensing of complement C3 activates cell autonomous immunity. Science, 2014, 345, 1256070.	6.0	143
65	HIV-1 evades innate immune recognition through specific cofactor recruitment. Nature, 2013, 503, 402-405.	13.7	396
66	Cellular Self-Defense: How Cell-Autonomous Immunity Protects Against Pathogens. Science, 2013, 340, 701-706.	6.0	231
67	Intracellular antibody-bound pathogens stimulate immune signaling via the Fc receptor TRIM21. Nature Immunology, 2013, 14, 327-336.	7.0	304
68	Intracellular antibody receptor TRIM21 prevents fatal viral infection. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12397-12401.	3.3	86
69	AAA ATPase p97/VCP is essential for TRIM21-mediated virus neutralization. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19733-19738.	3.3	91
70	Diverse HIV viruses are targeted by a conformationally dynamic antiviral. Nature Structural and Molecular Biology, 2012, 19, 411-416.	3.6	26
71	HIV Integration Targeting: A Pathway Involving Transportin-3 and the Nuclear Pore Protein RanBP2. PLoS Pathogens, 2011, 7, e1001313.	2.1	191
72	Intracellular antibodyâ€mediated immunity and the role of TRIM21. BioEssays, 2011, 33, 803-809.	1.2	51

#	Article	IF	Citations
73	HIV-1 Capsid-Cyclophilin Interactions Determine Nuclear Import Pathway, Integration Targeting and Replication Efficiency. PLoS Pathogens, 2011, 7, e1002439.	2.1	403
74	Acetylation regulates Cyclophilin A catalysis, immunosuppression and HIV isomerization. Nature Chemical Biology, 2010, 6, 331-337.	3.9	102
75	Potent Lentiviral Restriction by a Synthetic Feline TRIM5 Cyclophilin A Fusion. Journal of Virology, 2010, 84, 8980-8985.	1.5	13
76	Conformational Adaptation of Asian Macaque TRIMCyp Directs Lineage Specific Antiviral Activity. PLoS Pathogens, 2010, 6, e1001062.	2.1	46
77	A Large-Scale Conformational Change Couples Membrane Recruitment to Cargo Binding in the AP2 Clathrin Adaptor Complex. Cell, 2010, 141, 1220-1229.	13.5	305
78	Antibodies mediate intracellular immunity through tripartite motif-containing 21 (TRIM21). Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19985-19990.	3.3	408
79	Cyclophilin A Levels Dictate Infection Efficiency of Human Immunodeficiency Virus Type 1 Capsid Escape Mutants A92E and G94D. Journal of Virology, 2009, 83, 2044-2047.	1.5	57
80	Active site remodeling switches HIV specificity of antiretroviral TRIMCyp. Nature Structural and Molecular Biology, 2009, 16, 1036-1042.	3.6	96
81	The specificity of cross-reactivity: Promiscuous antibody binding involves specific hydrogen bonds rather than nonspecific hydrophobic stickiness. Protein Science, 2009, 12, 2183-2193.	3.1	119
82	TRIM21 is an IgG receptor that is structurally, thermodynamically, and kinetically conserved. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6045-6050.	3.3	160
83	Structural basis for PRYSPRY-mediated tripartite motif (TRIM) protein function. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 6200-6205.	3.3	300
84	Î²-Edge Interactions in a Pentadecameric Human Antibody VÎ¹ Domain. Journal of Molecular Biology, 2007, 367, 603-608.	2.0	13
85	Structure and kinetics of a transient antibody binding intermediate reveal a kinetic discrimination mechanism in antigen recognition. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 12730-12735.	3.3	87
86	Crystal Structure of HEL4, a Soluble, Refoldable Human VH Single Domain with a Germ-line Scaffold. Journal of Molecular Biology, 2004, 337, 893-903.	2.0	134
87	Conformational diversity and protein evolution â€“ a 60-year-old hypothesis revisited. Trends in Biochemical Sciences, 2003, 28, 361-368.	3.7	514
88	Antibody Multispecificity Mediated by Conformational Diversity. Science, 2003, 299, 1362-1367.	6.0	673
89	1.9 Ã... structure of the therapeutic antibody CAMPATH-1H fab in complex with a synthetic peptide antigen. Journal of Molecular Biology, 1999, 289, 293-301.	2.0	47