

Jonathan Leis

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,805
citations

430874

18
h-index

642732

23
g-index

26
all docs

26
docs citations

26
times ranked

1299
citing authors

#	ARTICLE	IF	CITATIONS
1	The avian retroviral IN protein is both necessary and sufficient for integrative recombination in vitro. <i>Cell</i> , 1990, 63, 87-95.	28.9	442
2	Crystal structure of a retroviral protease proves relationship to aspartic protease family. <i>Nature</i> , 1989, 337, 576-579.	27.8	378
3	The Interferon-Induced Gene ISG15 Blocks Retrovirus Release from Cells Late in the Budding Process. <i>Journal of Virology</i> , 2010, 84, 4725-4736.	3.4	132
4	Development of Drug Resistance to HIV-1 Protease Inhibitors. <i>Journal of Biological Chemistry</i> , 1995, 270, 29621-29623.	3.4	109
5	Structure of the aspartic protease from Rous sarcoma retrovirus refined at 2-Å resolution. <i>Biochemistry</i> , 1990, 29, 5889-5898.	2.5	100
6	Identification of Amino Acids in HIV-1 and Avian Sarcoma Virus Integrase Subsites Required for Specific Recognition of the Long Terminal Repeat Ends. <i>Journal of Biological Chemistry</i> , 2006, 281, 4173-4182.	3.4	66
7	The Mechanism of Budding of Retroviruses from Cell Membranes. <i>Advances in Virology</i> , 2009, 2009, 1-9.	1.1	63
8	Role of Nedd4 and Ubiquitination of Rous Sarcoma Virus Gag in Budding of Virus-Like Particles from Cells. <i>Journal of Virology</i> , 2004, 78, 13943-13953.	3.4	57
9	Mechanism of Inhibition of Retrovirus Release from Cells by Interferon-Induced Gene ISG15. <i>Journal of Virology</i> , 2011, 85, 7153-7161.	3.4	55
10	The Functionally Exchangeable L Domains in RSV and HIV-1 Gag Direct Particle Release Through Pathways Linked by Tsg101. <i>Traffic</i> , 2005, 6, 880-894.	2.7	50
11	Human Immunodeficiency Virus, Type 1 Protease Substrate Specificity Is Limited by Interactions between Substrate Amino Acids Bound in Adjacent Enzyme Subsites. <i>Journal of Biological Chemistry</i> , 1996, 271, 4709-4717.	3.4	49
12	Avian Sarcoma Virus and Human Immunodeficiency Virus, Type 1 Use Different Subsets of ESCRT Proteins to Facilitate the Budding Process. <i>Journal of Biological Chemistry</i> , 2008, 283, 29822-29830.	3.4	48
13	Structural Basis for Specificity of Retroviral Proteases. <i>Biochemistry</i> , 1998, 37, 4518-4526.	2.5	41
14	Tsg101 chaperone function revealed by HIV-1 assembly inhibitors. <i>Nature Communications</i> , 2017, 8, 1391.	12.8	37
15	Tsg101 can replace Nedd4 function in ASV Gag release but not membrane targeting. <i>Virology</i> , 2008, 377, 30-38.	2.4	33
16	Defining the DNA Substrate Binding Sites on HIV-1 Integrase. <i>Journal of Molecular Biology</i> , 2009, 385, 568-579.	4.2	28
17	Programming the Rous Sarcoma Virus Protease to Cleave New Substrate Sequences. <i>Journal of Biological Chemistry</i> , 1996, 271, 10538-10544.	3.4	25
18	HIV-1 Integrase Interaction with U3 and U5 Terminal Sequences in Vitro Defined Using Substrates with Random Sequences. <i>Journal of Biological Chemistry</i> , 2002, 277, 18357-18364.	3.4	20

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19	Base-Pair Substitutions in Avian Sarcoma Virus U5 and U3 Long Terminal Repeat Sequences Alter the Process of DNA Integration In Vitro. <i>Journal of Virology</i> , 2001, 75, 1132-1141.	3.4	16
20	Budding of Enveloped Viruses: Interferon-Induced ISG15 Antivirus Mechanisms Targeting the Release Process. <i>Advances in Virology</i> , 2012, 2012, 1-10.	1.1	15
21	Retroviral DNA integration. <i>BioEssays</i> , 1984, 1, 206-210.	2.5	14
22	Changes in the Mechanism of DNA Integration in Vitro Induced by Base Substitutions in the HIV-1 U5 and U3 Terminal Sequences. <i>Journal of Biological Chemistry</i> , 2002, 277, 10938-10948.	3.4	13
23	Ilaprazole and Other Novel Prazole-Based Compounds That Bind Tsg101 Inhibit Viral Budding of Herpes Simplex Virus 1 and 2 and Human Immunodeficiency Virus from Cells. <i>Journal of Virology</i> , 2021, 95, .	3.4	12
24	Integrase: Structure, Function, and Mechanism. , 2009, , 467-478.		0
25	Rous sarcoma virus retropepsin and avian myeloblastosis virus retropepsin. , 2004, , 163-166.		0