

Derek Walsh

List of Publications by Year in descending order

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37
papers

2,425
citations

257101

24
h-index

301761

39
g-index

39
all docs

39
docs citations

39
times ranked

3276
citing authors

#	ARTICLE	IF	CITATIONS
1	Viral subversion of the host protein synthesis machinery. <i>Nature Reviews Microbiology</i> , 2011, 9, 860-875.	13.6	403
2	Tinkering with Translation: Protein Synthesis in Virus-Infected Cells. <i>Cold Spring Harbor Perspectives in Biology</i> , 2013, 5, a012351-a012351.	2.3	211
3	Phosphorylation of eIF4E by Mnk-1 enhances HSV-1 translation and replication in quiescent cells. <i>Genes and Development</i> , 2004, 18, 660-672.	2.7	166
4	HIV-1 Induces the Formation of Stable Microtubules to Enhance Early Infection. <i>Cell Host and Microbe</i> , 2013, 14, 535-546.	5.1	115
5	Translational control of the activation of transcription factor NF- κ B and production of type I interferon by phosphorylation of the translation factor eIF4E. <i>Nature Immunology</i> , 2012, 13, 543-550.	7.0	114
6	A Cap-to-Tail Guide to mRNA Translation Strategies in Virus-Infected Cells. <i>Annual Review of Virology</i> , 2016, 3, 283-307.	3.0	113
7	Regulation of the Translation Initiation Factor eIF4F by Multiple Mechanisms in Human Cytomegalovirus-Infected Cells. <i>Journal of Virology</i> , 2005, 79, 8057-8064.	1.5	108
8	HIV-1 capsids bind and exploit the kinesin-1 adaptor FEZ1 for inward movement to the nucleus. <i>Nature Communications</i> , 2015, 6, 6660.	5.8	102
9	Eukaryotic Translation Initiation Factor 4F Architectural Alterations Accompany Translation Initiation Factor Redistribution in Poxvirus-Infected Cells. <i>Molecular and Cellular Biology</i> , 2008, 28, 2648-2658.	1.1	96
10	Microtubule Regulation and Function during Virus Infection. <i>Journal of Virology</i> , 2017, 91, .	1.5	90
11	Assembly of an active translation initiation factor complex by a viral protein. <i>Genes and Development</i> , 2006, 20, 461-472.	2.7	74
12	Poxviruses Evade Cytosolic Sensing through Disruption of an mTORC1-mTORC2 Regulatory Circuit. <i>Cell</i> , 2018, 174, 1143-1157.e17.	13.5	70
13	Trans-kingdom mimicry underlies ribosome customization by a poxvirus kinase. <i>Nature</i> , 2017, 546, 651-655.	13.7	69
14	Exploitation of Cytoskeletal Networks during Early Viral Infection. <i>Trends in Microbiology</i> , 2019, 27, 39-50.	3.5	64
15	Activation of Host Translational Control Pathways by a Viral Developmental Switch. <i>PLoS Pathogens</i> , 2009, 5, e1000334.	2.1	62
16	The HCMV Assembly Compartment Is a Dynamic Golgi-Derived MTOC that Controls Nuclear Rotation and Virus Spread. <i>Developmental Cell</i> , 2018, 45, 83-100.e7.	3.1	59
17	Plus-end tracking proteins, CLASPs, and a viral Akt mimic regulate herpesvirus-induced stable microtubule formation and virus spread. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18268-18273.	3.3	42
18	HIV-1 counteracts an innate restriction by amyloid precursor protein resulting in neurodegeneration. <i>Nature Communications</i> , 2017, 8, 1522.	5.8	42

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19	Coupling 40S ribosome recruitment to modification of a cap-binding initiation factor by eIF3 subunit e. <i>Genes and Development</i> , 2014, 28, 835-840.	2.7	40
20	Microtubule plus end-associated CLIP-170 initiates HSV-1 retrograde transport in primary human cells. <i>Journal of Cell Biology</i> , 2015, 211, 323-337.	2.3	39
21	mTOR Dysregulation by Vaccinia Virus F17 Controls Multiple Processes with Varying Roles in Infection. <i>Journal of Virology</i> , 2019, 93, .	1.5	35
22	ZNF598 Plays Distinct Roles in Interferon-Stimulated Gene Expression and Poxvirus Protein Synthesis. <i>Cell Reports</i> , 2018, 23, 1249-1258.	2.9	33
23	Focal Adhesion Proteins Talin-1 and Vinculin Negatively Affect Paxillin Phosphorylation and Limit Retroviral Infection. <i>Journal of Molecular Biology</i> , 2011, 410, 761-777.	2.0	31
24	Noncytotoxic Inhibition of Viral Infection through eIF4F-Independent Suppression of Translation by 4EGI-1. <i>Journal of Virology</i> , 2011, 85, 853-864.	1.5	29
25	Cytoplasmic control of intranuclear polarity by human cytomegalovirus. <i>Nature</i> , 2020, 587, 109-114.	13.7	29
26	PI3K Signaling Regulates Rapamycin-Insensitive Translation Initiation Complex Formation in Vaccinia Virus-Infected Cells. <i>Journal of Virology</i> , 2009, 83, 3988-3992.	1.5	27
27	Herpesviruses assimilate kinesin to produce motorized viral particles. <i>Nature</i> , 2021, 599, 662-666.	13.7	26
28	Manipulation of the host translation initiation complex eIF4F by DNA viruses. <i>Biochemical Society Transactions</i> , 2010, 38, 1511-1516.	1.6	21
29	Recruitment of host translation initiation factor eIF4G by the Vaccinia Virus ssDNA-binding protein I3. <i>Virology</i> , 2012, 425, 11-22.	1.1	21
30	Increased levels of the translation initiation factor eIF4E in differentiating epithelial lung tumor cell lines. <i>Differentiation</i> , 2003, 71, 126-134.	1.0	18
31	Poxviruses: Slipping and sliding through transcription and translation. <i>PLoS Pathogens</i> , 2017, 13, e1006634.	2.1	17
32	Translational control during poxvirus infection. <i>Wiley Interdisciplinary Reviews RNA</i> , 2019, 10, e1515.	3.2	15
33	RACK1 evolved species-specific multifunctionality in translational control through sequence plasticity in a loop domain. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	10
34	TACC3 Regulates Microtubule Plus-End Dynamics and Cargo Transport in Interphase Cells. <i>Cell Reports</i> , 2020, 30, 269-283.e6.	2.9	10
35	Negative charge in the RACK1 loop broadens the translational capacity of the human ribosome. <i>Cell Reports</i> , 2021, 36, 109663.	2.9	9
36	Proteomic and mechanistic dissection of the poxvirus-customized ribosome. <i>Journal of Cell Science</i> , 2020, 134, .	1.2	7

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37	Human Cytomegalovirus Exploits TACC3 To Control Microtubule Dynamics and Late Stages of Infection. <i>Journal of Virology</i> , 2021, 95, e0082121.	1.5	6