James M Hogle

List of Publications by Year
in descending order

57 papers	3,612 citations	136885 32 h-index	189801 50 g-index
58 all docs	58 docs citations	58 times ranked	2970 citing authors

#	Article	IF	Citations
1	Real-Time Imaging of Polioviral RNA Translocation across a Membrane. MBio, 2021, 12, .	1.8	2
2	Resistance to a Nucleoside Analog Antiviral Drug from More Rapid Extension of Drug-Containing Primers. MBio, 2021, 12, .	1.8	6
3	Cryo-EM structures reveal two distinct conformational states in a picornavirus cell entry intermediate. PLoS Pathogens, 2020, 16, e1008920.	2.1	17
4	Title is missing!. , 2020, 16, e1008920.		0
5	Title is missing!. , 2020, 16, e1008920.		0
6	Title is missing!. , 2020, 16, e1008920.		0
7	Title is missing!. , 2020, 16, e1008920.		0
8	DNA-Corralled Nanodiscs for the Structural and Functional Characterization of Membrane Proteins and Viral Entry. Journal of the American Chemical Society, 2018, 140, 10639-10643.	6.6	57
9	Getting to and through the inner nuclear membrane during herpesvirus nuclear egress. Current Opinion in Cell Biology, 2017, 46, 9-16.	2.6	30
10	A Small Covalent Allosteric Inhibitor of Human Cytomegalovirus DNA Polymerase Subunit Interactions. ACS Infectious Diseases, 2017, 3, 112-118.	1.8	12
11	Covalently circularized nanodiscs for studying membrane proteins and viral entry. Nature Methods, 2017, 14, 49-52.	9.0	221
12	Cryo-electron Microscopy Structures of Expanded Poliovirus with VHHs Sample the Conformational Repertoire of the Expanded State. Journal of Virology, 2017, 91, .	1.5	22
13	Picornavirus RNA is protected from cleavage by ribonuclease during virion uncoating and transfer across cellular and model membranes. PLoS Pathogens, 2017, 13, e1006197.	2.1	25
14	Five of Five VHHs Neutralizing Poliovirus Bind the Receptor-Binding Site. Journal of Virology, 2016, 90, 3496-3505.	1.5	24
15	Unexpected features and mechanism of heterodimer formation of a herpesvirus nuclear egress complex. EMBO Journal, 2015, 34, 2937-2952.	3.5	69
16	Characterization of Poliovirus Neutralization Escape Mutants of Single-Domain Antibody Fragments (VHHs). Antimicrobial Agents and Chemotherapy, 2015, 59, 4695-4706.	1.4	9
17	Nectin-Like Interactions between Poliovirus and Its Receptor Trigger Conformational Changes Associated with Cell Entry. Journal of Virology, 2015, 89, 4143-4157.	1.5	92
18	Structure of a herpesvirus nuclear egress complex subunit reveals an interaction groove that is essential for viral replication. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9010-9015.	3.3	52

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19	Human Cytomegalovirus UL97 Phosphorylates the Viral Nuclear Egress Complex. Journal of Virology, 2015, 89, 523-534.	1.5	56
20	Structural Dynamics as a Contributor to Error-prone Replication by an RNA-dependent RNA Polymerase. Journal of Biological Chemistry, 2014, 289, 36229-36248.	1.6	31
21	Mechanism of Action and Capsid-Stabilizing Properties of VHHs with an In Vitro Antipolioviral Activity. Journal of Virology, 2014, 88, 4403-4413.	1.5	26
22	An Interaction between Glutathione and the Capsid Is Required for the Morphogenesis of C-Cluster Enteroviruses. PLoS Pathogens, 2014, 10, e1004052.	2.1	42
23	Capsid Protein VP4 of Human Rhinovirus Induces Membrane Permeability by the Formation of a Size-Selective Multimeric Pore. PLoS Pathogens, 2014, 10, e1004294.	2.1	88
24	Cryo-Electron Microscopy Reconstruction Shows Poliovirus 135S Particles Poised for Membrane Interaction and RNA Release. Journal of Virology, 2014, 88, 1758-1770.	1.5	66
25	RNA Transfer from Poliovirus 135S Particles across Membranes Is Mediated by Long Umbilical Connectors. Journal of Virology, 2013, 87, 3903-3914.	1.5	73
26	Structure of the Fab-Labeled â€œBreathingâ€•State of Native Poliovirus. Journal of Virology, 2012, 86, 5959-5962.	1.5	57
27	An Externalized Polypeptide Partitions between Two Distinct Sites on Genome-Released Poliovirus Particles. Journal of Virology, 2011, 85, 9974-9983.	1.5	38
28	Poliovirus RNA Is Released from the Capsid near a Twofold Symmetry Axis. Journal of Virology, 2011, 85, 776-783.	1.5	129
29	Catching a Virus in the Act of RNA Release: a Novel Poliovirus Uncoating Intermediate Characterized by Cryo-Electron Microscopy. Journal of Virology, 2010, 84, 4426-4441.	1.5	116
30	Picornaviruses. Current Topics in Microbiology and Immunology, 2010, 343, 43-89.	0.7	172
31	Rapid Actin-Dependent Viral Motility in Live Cells. Biophysical Journal, 2009, 97, 1647-1656.	0.2	41
32	Post-imaging fiducial markers aid in the orientation determination of complexes with mixed or unknown symmetry. Journal of Structural Biology, 2008, 162, 480-490.	1.3	6
33	Single particle cryoelectron tomography characterization of the structure and structural variability of poliovirusâ€“receptorâ€“membrane complex at 30 Ã... resolution. Journal of Structural Biology, 2007, 160, 200-210.	1.3	32
34	Imaging Poliovirus Entry in Live Cells. PLoS Biology, 2007, 5, e183.	2.6	266
35	Characterization of Early Steps in the Poliovirus Infection Process: Receptor-Decorated Liposomes Induce Conversion of the Virus to Membrane-Anchored Entry-Intermediate Particles. Journal of Virology, 2006, 80, 172-180.	1.5	94
36	Cryo-electron microscopy reconstruction of a poliovirus-receptor-membrane complex. Nature Structural and Molecular Biology, 2005, 12, 615-618.	3.6	84

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37	The Structure of the Poliovirus 135S Cell Entry Intermediate at 10-Angstrom Resolution Reveals the Location of an Externalized Polypeptide That Binds to Membranes. Journal of Virology, 2005, 79, 7745-7755.	1.5	160
38	Origins of Life and the RNA World: Evolution of RNA-Replicase Recognition. Symposium - International Astronomical Union, 2004, 213, 321-324.	0.1	1
39	Poliovirus Cell Entry: Common Structural Themes in Viral Cell Entry Pathways. Annual Review of Microbiology, 2002, 56, 677-702.	2.9	306
40	Ab initio phasing of high-symmetry macromolecular complexes: successful phasing of authentic poliovirus data to 3.0 Å... resolution11Edited by I. A. Wilson. Journal of Molecular Biology, 2001, 307, 499-512.	2.0	33
41	Functional group placement in protein binding sites: a comparison of GRID and MCSS. Journal of Computer-Aided Molecular Design, 2001, 15, 935-960.	1.3	19
42	Kinetic Analysis of the Effect of Poliovirus Receptor on Viral Uncoating: the Receptor as a Catalyst. Journal of Virology, 2001, 75, 4984-4989.	1.5	67
43	Computational design of D-peptide inhibitors of hepatitis delta antigen dimerization. Journal of Computer-Aided Molecular Design, 2000, 14, 705-718.	1.3	9
44	Is the 135S Poliovirus Particle an Intermediate during Cell Entry?. Journal of Virology, 2000, 74, 8757-8761.	1.5	58
45	Molecular Tectonic Model of Virus Structural Transitions: the Putative Cell Entry States of Poliovirus. Journal of Virology, 2000, 74, 1342-1354.	1.5	224
46	Stabilization of poliovirus by capsid-binding antiviral drugs is due to entropic effects 1 1Edited by I. A. Wilson. Journal of Molecular Biology, 2000, 296, 335-340.	2.0	81
47	Poliovirus Mutants at Histidine 195 of VP2 Do Not Cleave VP0 into VP2 and VP4. Journal of Virology, 1999, 73, 9072-9079.	1.5	62
48	X-ray Crystal Structures of the S229A Mutant and Wild-Type MurB in the Presence of the Substrate Enolpyruvyl-UDP-N-Acetylglucosamine at 1.8-Ã... Resolution,. Biochemistry, 1997, 36, 806-811.	1.2	69
49	Structural studies of poliovirus mutants that overcome receptor defects. Nature Structural Biology, 1997, 4, 666-674.	9.7	44
50	Use of the multiple copy simultaneous search (MCSS) method to design a new class of picornavirus capsid binding drugs. , 1997, 29, 32-58.		41
51	Structure of the complex between the Fab fragment of a neutralizing antibody for type 1 poliovirus and its viral epitope. Nature Structural and Molecular Biology, 1995, 2, 232-243.	3.6	83
52	An enzymeâ€"substrate complex involved in bacterial cell wall biosynthesis. Nature Structural Biology, 1995, 2, 644-653.	9.7	78
53	Crystallization and preliminary Xâ€ray crystallographic studies of UDPâ€Nâ€acetylenolpyruvylglucosamine reductase. Protein Science, 1994, 3, 1125-1127.	3.1	12
54	Structures of poliovirus complexes with anti-viral drugs: implications for viral stability and drug design. Current Biology, 1994, 4, 784-797.	1.8	108

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55	Characterization of Poliovirus Conformational Alteration Mediated by Soluble Cell Receptors. Virology, 1993, 197, 501-505.	1.1	94
56	Poliovirus Receptors and Cell Entry. , 0, , 71-83.		4
57	Cell Entry: a Biochemical and Structural Perspective. , 0, , 87-104.		2