Max L Nibert

List of Publications by Year
in descending order

110 papers	11,225 citations	34105 52 h-index	30922 102 g-index
112 all docs	112 docs citations	112 times ranked	9706 citing authors

#	Article	IF	Citations
1	Endocytosis by Random Initiation and Stabilization of Clathrin-Coated Pits. Cell, 2004, 118, 591-605.	28.9	787
2	Peroxisomes Are Signaling Platforms for Antiviral Innate Immunity. Cell, 2010, 141, 668-681.	28.9	717
3	Virus taxonomy in the age of metagenomics. Nature Reviews Microbiology, 2017, 15, 161-168.	28.6	590
4	50-plus years of fungal viruses. Virology, 2015, 479-480, 356-368.	2.4	581
5	Changes to taxonomy and the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2018). Archives of Virology, 2018, 163, 2601-2631.	2.1	567
6	Changes to taxonomy and the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2017). Archives of Virology, 2017, 162, 2505-2538.	2.1	506
7	Structure of the reovirus core at 3.6?Ã… resolution. Nature, 2000, 404, 960-967.	27.8	428
8	RNA Synthesis in a Cageâ€"Structural Studies of Reovirus Polymerase Î»3. Cell, 2002, 111, 733-745.	28.9	309
9	Taxonomic reorganization of family Partitiviridae and other recent progress in partitivirus research. Virus Research, 2014, 188, 128-141.	2.2	271
10	Ratification vote on taxonomic proposals to the International Committee on Taxonomy of Viruses (2016). Archives of Virology, 2016, 161, 2921-2949.	2.1	263
11	Changes to virus taxonomy and the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2019). Archives of Virology, 2019, 164, 2417-2429.	2.1	257
12	Structure of the Reovirus Membrane-Penetration Protein, Î¼1, in a Complex with Its Protector Protein, Ïƒ3. Cell, 2002, 108, 283-295.	28.9	225
13	Changes to virus taxonomy and to the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2021). Archives of Virology, 2021, 166, 2633-2648.	2.1	219
14	Changes to virus taxonomy and the Statutes ratified by the International Committee on Taxonomy of Viruses (2020). Archives of Virology, 2020, 165, 2737-2748.	2.1	202
15	ICTV Virus Taxonomy Profile: Partitiviridae. Journal of General Virology, 2018, 99, 17-18.	2.9	202
16	Reovirus Core Protein Î¼2 Determines the Filamentous Morphology of Viral Inclusion Bodies by Interacting with and Stabilizing Microtubules. Journal of Virology, 2002, 76, 4483-4496.	3.4	174
17	Strategy for Nonenveloped Virus Entry: a Hydrophobic Conformer of the Reovirus Membrane Penetration Protein Î¼1 Mediates Membrane Disruption. Journal of Virology, 2002, 76, 9920-9933.	3.4	166
18	Reovirus polymerase Î»3 localized by cryo-electron microscopy of virions at a resolution of 7.6 Ã…. Nature Structural and Molecular Biology, 2003, 10, 1011-1018.	8.2	154

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19	Mechanism for Coordinated RNA Packaging and Genome Replication by Rotavirus Polymerase VP1. Structure, 2008, 16, 1678-1688.	3.3	148
20	Mammalian Reovirus Nonstructural Protein Î¼NS Forms Large Inclusions and Colocalizes with Reovirus Microtubule-Associated Protein Î¼2 in Transfected Cells. Journal of Virology, 2002, 76, 8285-8297.	3.4	123
21	Putative Autocleavage of Outer Capsid Protein Î¼1, Allowing Release of Myristoylated Peptide Î¼1N during Particle Uncoating, Is Critical for Cell Entry by Reovirus. Journal of Virology, 2004, 78, 8732-8745.	3.4	120
22	Endobiont Viruses Sensed by the Human Host â€" Beyond Conventional Antiparasitic Therapy. PLoS ONE, 2012, 7, e48418.	2.5	117
23	In Vitro Recoating of Reovirus Cores with Baculovirus-Expressed Outer-Capsid Proteins Î¼1 and Ï,3. Journal of Virology, 1999, 73, 3941-3950.	3.4	113
24	Mammalian reovirus, a nonfusogenic nonenveloped virus, forms size-selective pores in a model membrane. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16496-16501.	7.1	106
25	Victorivirus, a new genus of fungal viruses in the family Totiviridae. Archives of Virology, 2009, 154, 373-379.	2.1	103
26	Additional changes to taxonomy ratified in a special vote by the International Committee on Taxonomy of Viruses (October 2018). Archives of Virology, 2019, 164, 943-946.	2.1	102
27	Evidence for contemporary plant mitoviruses. Virology, 2018, 518, 14-24.	2.4	95
28	Peptides released from reovirus outer capsid form membrane pores that recruit virus particles. EMBO Journal, 2008, 27, 1289-1298.	7.8	92
29	Trichomonasvirus: a new genus of protozoan viruses in the family Totiviridae. Archives of Virology, 2011, 156, 171-179.	2.1	92
30	Internal/Structures Containing Transcriptase-Related Proteins in Top Component Particles of Mammalian Orthoreovirus. Virology, 1998, 245, 33-46.	2.4	91
31	Reovirus Nonstructural Protein Î¼NS Recruits Viral Core Surface Proteins and Entering Core Particles to Factory-Like Inclusions. Journal of Virology, 2004, 78, 1882-1892.	3.4	91
32	The Î´ Region of Outer-Capsid ProteinÎ¼1 Undergoes Conformational Change and Release from ReovirusParticles during CellEntry. Journal of Virology, 2003, 77, 13361-13375.	3.4	88
33	Putative Autocleavage of Reovirus Î¼1 Protein in Concert with Outer-capsid Disassembly and Activation for Membrane Permeabilization. Journal of Molecular Biology, 2005, 345, 461-474.	4.2	88
34	Features of Reovirus Outer Capsid Protein Î¼1 Revealed by Electron Cryomicroscopy and Image Reconstruction of the Virion at 7.0 Å… Resolution. Structure, 2005, 13, 1545-1557.	3.3	80
35	Atomic structure reveals the unique capsid organization of a dsRNA virus. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4225-4230.	7.1	80
36	Carboxyl-Proximal Regions of Reovirus Nonstructural Protein Î¼NS Necessary and Sufficient for Forming Factory-Like Inclusions. Journal of Virology, 2005, 79, 6194-6206.	3.4	74

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37	Reovirus ÏƒNS Protein Localizes to Inclusions through an Association Requiring the Î¼NS Amino Terminus. Journal of Virology, 2003, 77, 4566-4576.	3.4	73
38	RNA Sequence Determinants of a Coupled Termination-Reinitiation Strategy for Downstream Open Reading Frame Translation in Helminthosporium victoriae Virus 190S and Other Victoriviruses (Family) Tj ETQq0 0 0 rgBT /Overlock 10 T	3.4	73
39	50 years of the International Committee on Taxonomy of Viruses: progress and prospects. Archives of Virology, 2017, 162, 1441-1446.	2.1	72
40	Complete nucleotide sequence of the M2 gene segment of reovirus type 3 dearing and analysis of its protein product Î¼1. Virology, 1988, 163, 591-602.	2.4	68
41	Localization of Mammalian Orthoreovirus Proteins to Cytoplasmic Factory-Like Structures via Nonoverlapping Regions of Î¼NS. Journal of Virology, 2010, 84, 867-882.	3.4	68
42	Bioinformatics of Recent Aqua- and Orthoreovirus Isolates from Fish: Evolutionary Gain or Loss of FAST and Fiber Proteins and Taxonomic Implications. PLoS ONE, 2013, 8, e68607.	2.5	66
43	Clinical Isolates of Trichomonas vaginalis Concurrently Infected by Strains of Up to Four Trichomonasvirus Species (Family Totiviridae). Journal of Virology, 2011, 85, 4258-4270.	3.4	63
44	Thermostability of Reovirus Disassembly Intermediates (ISVPs) Correlates with Genetic, Biochemical, and Thermodynamic Properties of Major Surface Protein Î¼1. Journal of Virology, 2002, 76, 1051-1061.	3.4	62
45	Structure of avian orthoreovirus virion by electron cryomicroscopy and image reconstruction. Virology, 2005, 343, 25-35.	2.4	62
46	Cryspovirus: a new genus of protozoan viruses in the family Partitiviridae. Archives of Virology, 2009, 154, 1959-1965.	2.1	62
47	Identification of the Guanylyltransferase Region and Active Site in Reovirus mRNA Capping Protein Î»2. Journal of Biological Chemistry, 2000, 275, 2804-2810.	3.4	60
48	Nucleoside and RNA Triphosphatase Activities of Orthoreovirus Transcriptase Cofactor Î¼2. Journal of Biological Chemistry, 2004, 279, 4394-4403.	3.4	60
49	Partitivirus Structure Reveals a 120-Subunit, Helix-Rich Capsid with Distinctive Surface Arches Formed by Quasisymmetric Coat-Protein Dimers. Structure, 2008, 16, 776-786.	3.3	58
50	â€˜2A-likeâ€™ and â€˜shifty heptamerâ€™ motifs in penaeid shrimp infectious myonecrosis virus, a monosegmented double-stranded RNA virus. Journal of General Virology, 2007, 88, 1315-1318.	2.9	57
51	Infectious myonecrosis virus has a totivirus-like, 120-subunit capsid, but with fiber complexes at the fivefold axes. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17526-17531.	7.1	57
52	A Role for Molecular Chaperone Hsc70 in Reovirus Outer Capsid Disassembly. Journal of Biological Chemistry, 2007, 282, 12210-12219.	3.4	56
53	Multitarget, quantitative nanoplasmonic electrical field-enhanced resonating device (NE) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 States of America, 2015, 112, E4354-63.	7.1	56
54	Protease Cleavage of Reovirus Capsid Protein Î¼1/Î¼1C Is Blocked by Alkyl Sulfate Detergents, Yielding a New Type of Infectious Subvirion Particle. Journal of Virology, 1998, 72, 467-475.	3.4	56

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55	Reovirus Nonstructural Protein Î¼NS Binds to Core Particles but Does Not Inhibit Their Transcription and Capping Activities. Journal of Virology, 2000, 74, 5516-5524.	3.4	55
56	Mammalian Reovirus L2 Gene and Î»2 Core Spike Protein Sequences and Whole-Genome Comparisons of Reoviruses Type 1 Lang, Type 2 Jones, and Type 3 Dearing. Virology, 2001, 287, 333-348.	2.4	55
57	Requirements for the Formation of Membrane Pores by the Reovirus Myristoylated Î¼1N Peptide. Journal of Virology, 2009, 83, 7004-7014.	3.4	55
58	Cleavage Susceptibility of Reovirus Attachment Protein Ï,1 during Proteolytic Disassembly of Virions Is Determined by a Sequence Polymorphism in the Ï,1 Neck. Journal of Virology, 1998, 72, 8205-8213.	3.4	54
59	A +1 ribosomal frameshifting motif prevalent among plant amalgaviruses. Virology, 2016, 498, 201-208.	2.4	53
60	Mitovirus UGA(Trp) codon usage parallels that of host mitochondria. Virology, 2017, 507, 96-100.	2.4	53
61	Complete In Vitro Assembly of the Reovirus Outer Capsid Produces Highly Infectious Particles Suitable for Genetic Studies of the Receptor-Binding Protein. Journal of Virology, 2001, 75, 5335-5342.	3.4	52
62	Reovirus Î¼1 Structural Rearrangements That Mediate Membrane Penetration. Journal of Virology, 2006, 80, 12367-12376.	3.4	52
63	Binomial nomenclature for virus species: a consultation. Archives of Virology, 2020, 165, 519-525.	2.1	51
64	Cathepsin S Supports Acid-independent Infection by Some Reoviruses. Journal of Biological Chemistry, 2004, 279, 8547-8557.	3.4	47
65	Reovirus Virion-Like Particles Obtained by Recoating Infectious Subvirion Particles with Baculovirus-Expressed Ï,3 Protein: an Approach for Analyzing Ï,3 Functions during Virus Entry. Journal of Virology, 1999, 73, 2963-2973.	3.4	47
66	Binding Site for S-Adenosyl-l-methionine in a Central Region of Mammalian Reovirus Î»2 Protein. Journal of Biological Chemistry, 1998, 273, 23773-23780.	3.4	45
67	Orthoreovirus and Aquareovirus core proteins: conserved enzymatic surfaces, but not proteinâ€"protein interfaces. Virus Research, 2004, 101, 15-28.	2.2	44
68	Piscine reovirus encodes a cytotoxic, non-fusogenic, integral membrane protein and previously unrecognized virion outer-capsid proteins. Journal of General Virology, 2013, 94, 1039-1050.	2.9	44
69	Structure of a Protozoan Virus from the Human Genitourinary Parasite Trichomonas vaginalis. MBio, 2013, 4, .	4.1	43
70	Sites and Determinants of Early Cleavages in the Proteolytic Processing Pathway of Reovirus Surface Protein Ïƒ3. Journal of Virology, 2002, 76, 5184-5197.	3.4	42
71	Comparisons of the M1 genome segments and encoded mu2 proteins of different reovirus isolates. Virology Journal, 2004, 1, 6.	3.4	42
72	Structure of Fusarium poae virus 1 shows conserved and variable elements of partitivirus capsids and evolutionary relationships to picobirnavirus. Journal of Structural Biology, 2010, 172, 363-371.	2.8	42

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73	Three-Dimensional Structure of a Protozoal Double-Stranded RNA Virus That Infects the Enteric Pathogen Giardia lamblia. Journal of Virology, 2015, 89, 1182-1194.	3.4	42
74	Engineering recombinant reoviruses with tandem repeats and a tetravirus 2A-like element for exogenous polypeptide expression. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E1867-76.	7.1	40
75	3D Structures of Fungal Partitiviruses. Advances in Virus Research, 2013, 86, 59-85.	2.1	38
76	Thermostabilizing mutations in reovirus outer-capsid protein Î¼1 selected by heat inactivation of infectious subvirion particles. Virology, 2007, 361, 412-425.	2.4	34
77	The Hydrophilic Amino-Terminal Arm of Reovirus Core Shell Protein Î»1 Is Dispensable for Particle Assembly. Journal of Virology, 2002, 76, 12211-12222.	3.4	33
78	Three-dimensional Structure of Victorivirus HvV190S Suggests Coat Proteins in Most Totiviruses Share a Conserved Core. PLoS Pathogens, 2013, 9, e1003225.	4.7	33
79	Mammalian Reovirus L3 Gene Sequences and Evidence for a Distinct Amino-Terminal Region of the Î»1 Protein. Virology, 1999, 258, 54-64.	2.4	31
80	Virus-derived Platforms for Visualizing Protein Associations inside Cells. Molecular and Cellular Proteomics, 2007, 6, 1027-1038.	3.8	31
81	A positive-feedback mechanism promotes reovirus particle conversion to the intermediate associated with membrane penetration. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 10571-10576.	7.1	31
82	Mammalian Reovirus M3 Gene Sequences and Conservation of Coiled-Coil Motifs near the Carboxyl Terminus of the Î¼NS Protein. Virology, 1999, 264, 16-24.	2.4	30
83	Nucleotide sequence of Zygosaccharomyces bailii virus Z: Evidence for +1 programmed ribosomal frameshifting and for assignment to family Amalgaviridae. Virus Research, 2016, 217, 115-124.	2.2	30
84	An RNA cassette from Helminthosporium victoriae virus 190S necessary and sufficient for stop/restart translation. Virology, 2015, 474, 131-143.	2.4	28
85	Formation of the factory matrix is an important, though not a sufficient function of nonstructural protein Î¼NS during reovirus infection. Virology, 2008, 375, 412-423.	2.4	27
86	Backbone Trace of Partitivirus Capsid Protein from Electron Cryomicroscopy and Homology Modeling. Biophysical Journal, 2010, 99, 685-694.	0.5	26
87	Conserved Sequence Motifs for Nucleoside Triphosphate Binding Unique to Turreted Reoviridae Members and Coltiviruses. Journal of Virology, 2004, 78, 5528-5530.	3.4	25
88	Increased Ubiquitination and Other Covariant Phenotypes Attributed to a Strain- and Temperature-Dependent Defect of Reovirus Core Protein Î¼2. Journal of Virology, 2004, 78, 10291-10302.	3.4	25
89	Recruitment of Cellular Clathrin to Viral Factories and Disruption of Clathrinâ€Dependent Trafficking. Traffic, 2011, 12, 1179-1195.	2.7	24
90	Mitovirus and Mitochondrial Coding Sequences from Basal Fungus Entomophthora muscae. Viruses, 2019, 11, 351.	3.3	21

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91	Guanidine Hydrochloride Inhibits Mammalian Orthoreovirus Growth by Reversibly Blocking the Synthesis of Double-Stranded RNA. Journal of Virology, 2007, 81, 4572-4584.	3.4	20
92	Virion Structure of Baboon Reovirus, a Fusogenic Orthoreovirus That Lacks an Adhesion Fiber. Journal of Virology, 2011, 85, 7483-7495.	3.4	20
93	The dynamics of both filamentous and globular mammalian reovirus viral factories rely on the microtubule network. Virology, 2018, 518, 77-86.	2.4	20
94	Disulfide Bonding among Î¼1 Trimers in Mammalian Reovirus Outer Capsid: a Late and Reversible Step in Virion Morphogenesis. Journal of Virology, 2003, 77, 5389-5400.	3.4	18
95	Thermolabilizing Pseudoreversions in Reovirus Outer-Capsid Protein Î¼1 Rescue the Entry Defect Conferred by a Thermostabilizing Mutation. Journal of Virology, 2007, 81, 7400-7409.	3.4	18
96	Amalga-like virus infecting Antonospora locustae , a microsporidian pathogen of grasshoppers, plus related viruses associated with other arthropods. Virus Research, 2017, 233, 95-104.	2.2	18
97	Genetic diversification of penaeid shrimp infectious myonecrosis virus between Indonesia and Brazil. Virus Research, 2014, 189, 97-105.	2.2	16
98	Loss of Activities for mRNA Synthesis Accompanies Loss of Î»2 Spikes from Reovirus Cores: An Effect of Î»2 on Î»1 Shell Structure. Virology, 2002, 296, 24-38.	2.4	15
99	Fibers come and go: differences in cell-entry components among related dsRNA viruses. Current Opinion in Virology, 2013, 3, 20-26.	5.4	15
100	A barnavirus sequence mined from a transcriptome of the Antarctic pearlwort Colobanthus quitensis. Archives of Virology, 2018, 163, 1921-1926.	2.1	15
101	Extended genome sequences of penaeid shrimp infectious myonecrosis virus strains from Brazil and Indonesia. Archives of Virology, 2015, 160, 1579-1583.	2.1	14
102	Silencing and complementation of reovirus core protein Î¼2: Functional correlations with Î¼2â€“microtubule association and differences between virus- and plasmid-derived Î¼2. Virology, 2007, 364, 301-316.	2.4	13
103	Dissection of mammalian orthoreovirus Âµ2 reveals a self-associative domain required for binding to microtubules but not to factory matrix protein ÂµNS. PLoS ONE, 2017, 12, e0184356.	2.5	13
104	Complete cryspovirus genome sequences from Cryptosporidium parvum isolate Iowa. Archives of Virology, 2017, 162, 2875-2879.	2.1	10
105	A Novel Taxon of Monosegmented Double-Stranded RNA Viruses Endemic to Triclad Flatworms. Journal of Virology, 2020, 94, .	3.4	8
106	Beta vulgaris mitovirus 1 in diverse cultivars of beet and chard. Virus Research, 2019, 265, 80-87.	2.2	7
107	Rotavirus Translation Control Protein Takes RNA to Heart. Structure, 2002, 10, 129-130.	3.3	3
108	Discovery of a Novel Species of Trichomonasvirus in the Human Parasite Trichomonas vaginalis Using Transcriptome Mining. Viruses, 2022, 14, 548.	3.3	2

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109	Structure of the Human Reovirus Virion at 9.6Â¥ Resolution. Microscopy and Microanalysis, 2002, 8, 846-847.	0.4	0
110	Electron Cryo-Microscopy studies of Helminthosporium victoriae Virus 190S. Microscopy and Microanalysis, 2011, 17, 134-135.	0.4	0