

# Max L Nibert

## List of Publications by Year in descending order

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110  
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docs citations

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9706  
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovery of a Novel Species of Trichomonasvirus in the Human Parasite Trichomonas vaginalis Using Transcriptome Mining. <i>Viruses</i> , 2022, 14, 548.	1.5	2
2	Changes to virus taxonomy and to the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2021). <i>Archives of Virology</i> , 2021, 166, 2633-2648.	0.9	219
3	Binomial nomenclature for virus species: a consultation. <i>Archives of Virology</i> , 2020, 165, 519-525.	0.9	51
4	A Novel Taxon of Monosegmented Double-Stranded RNA Viruses Endemic to Triclad Flatworms. <i>Journal of Virology</i> , 2020, 94, .	1.5	8
5	Changes to virus taxonomy and the Statutes ratified by the International Committee on Taxonomy of Viruses (2020). <i>Archives of Virology</i> , 2020, 165, 2737-2748.	0.9	202
6	Additional changes to taxonomy ratified in a special vote by the International Committee on Taxonomy of Viruses (October 2018). <i>Archives of Virology</i> , 2019, 164, 943-946.	0.9	102
7	Changes to virus taxonomy and the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2019). <i>Archives of Virology</i> , 2019, 164, 2417-2429.	0.9	257
8	Mitovirus and Mitochondrial Coding Sequences from Basal Fungus <i>Entomophthora muscae</i> . <i>Viruses</i> , 2019, 11, 351.	1.5	21
9	Beta vulgaris mitovirus 1 in diverse cultivars of beet and chard. <i>Virus Research</i> , 2019, 265, 80-87.	1.1	7
10	The dynamics of both filamentous and globular mammalian reovirus viral factories rely on the microtubule network. <i>Virology</i> , 2018, 518, 77-86.	1.1	20
11	Evidence for contemporary plant mitoviruses. <i>Virology</i> , 2018, 518, 14-24.	1.1	95
12	A barnavirus sequence mined from a transcriptome of the Antarctic pearlwort <i>Colobanthus quitensis</i> . <i>Archives of Virology</i> , 2018, 163, 1921-1926.	0.9	15
13	Changes to taxonomy and the International Code of Virus Classification and Nomenclature ratified by the International Committee on Taxonomy of Viruses (2018). <i>Archives of Virology</i> , 2018, 163, 2601-2631.	0.9	567
14	ICTV Virus Taxonomy Profile: Partitiviridae. <i>Journal of General Virology</i> , 2018, 99, 17-18.	1.3	202
15	Amalga-like virus infecting <i>Antonospora locustae</i> , a microsporidian pathogen of grasshoppers, plus related viruses associated with other arthropods. <i>Virus Research</i> , 2017, 233, 95-104.	1.1	18
16	Mitovirus UGA(Trp) codon usage parallels that of host mitochondria. <i>Virology</i> , 2017, 507, 96-100.	1.1	53
17	50 years of the International Committee on Taxonomy of Viruses: progress and prospects. <i>Archives of Virology</i> , 2017, 162, 1441-1446.	0.9	72
18	Complete cryspovirus genome sequences from <i>Cryptosporidium parvum</i> isolate Iowa. <i>Archives of Virology</i> , 2017, 162, 2875-2879.	0.9	10

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19	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.	0.9	506
20	Virus taxonomy in the age of metagenomics. Nature Reviews Microbiology, 2017, 15, 161-168.	13.6	590
21	Dissection of mammalian orthoreovirus $\hat{\mu}2$ reveals a self-associative domain required for binding to microtubules but not to factory matrix protein $\hat{\mu}NS$ . PLoS ONE, 2017, 12, e0184356.	1.1	13
22	A +1 ribosomal frameshifting motif prevalent among plant amalgaviruses. Virology, 2016, 498, 201-208.	1.1	53
23	Ratification vote on taxonomic proposals to the International Committee on Taxonomy of Viruses (2016). Archives of Virology, 2016, 161, 2921-2949.	0.9	263
24	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.	1.1	30
25	Multitarget, quantitative nanoplasmonic electrical field-enhanced resonating device (NE) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 States of America, 2015, 112, E4354-63.	3.3	56
26	Extended genome sequences of penaeid shrimp infectious myonecrosis virus strains from Brazil and Indonesia. Archives of Virology, 2015, 160, 1579-1583.	0.9	14
27	50-plus years of fungal viruses. Virology, 2015, 479-480, 356-368.	1.1	581
28	Three-Dimensional Structure of a Protozoal Double-Stranded RNA Virus That Infects the Enteric Pathogen Giardia lamblia. Journal of Virology, 2015, 89, 1182-1194.	1.5	42
29	An RNA cassette from Helminthosporium victoriae virus 190S necessary and sufficient for stop/restart translation. Virology, 2015, 474, 131-143.	1.1	28
30	Taxonomic reorganization of family Partitiviridae and other recent progress in partitivirus research. Virus Research, 2014, 188, 128-141.	1.1	271
31	Genetic diversification of penaeid shrimp infectious myonecrosis virus between Indonesia and Brazil. Virus Research, 2014, 189, 97-105.	1.1	16
32	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.	1.3	44
33	Fibers come and go: differences in cell-entry components among related dsRNA viruses. Current Opinion in Virology, 2013, 3, 20-26.	2.6	15
34	3D Structures of Fungal Partitiviruses. Advances in Virus Research, 2013, 86, 59-85.	0.9	38
35	Structure of a Protozoan Virus from the Human Genitourinary Parasite Trichomonas vaginalis. MBio, 2013, 4, .	1.8	43
36	Three-dimensional Structure of Victorivirus HvV190S Suggests Coat Proteins in Most Totiviruses Share a Conserved Core. PLoS Pathogens, 2013, 9, e1003225.	2.1	33

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37	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.	3.3	40
38	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.	1.1	66
39	Endobiont Viruses Sensed by the Human Host – Beyond Conventional Antiparasitic Therapy. PLoS ONE, 2012, 7, e48418.	1.1	117
40	Clinical Isolates of <i>Trichomonas vaginalis</i> Concurrently Infected by Strains of Up to Four <i>Trichomonasvirus</i> Species (Family Totiviridae). Journal of Virology, 2011, 85, 4258-4270.	1.5	63
41	Electron Cryo-Microscopy studies of <i>Helminthosporium victoriae</i> Virus 190S. Microscopy and Microanalysis, 2011, 17, 134-135.	0.2	0
42	Recruitment of Cellular Clathrin to Viral Factories and Disruption of Clathrin-Dependent Trafficking. Traffic, 2011, 12, 1179-1195.	1.3	24
43	<i>Trichomonasvirus</i> : a new genus of protozoan viruses in the family Totiviridae. Archives of Virology, 2011, 156, 171-179.	0.9	92
44	RNA Sequence Determinants of a Coupled Termination-Reinitiation Strategy for Downstream Open Reading Frame Translation in <i>Helminthosporium victoriae</i> Virus 190S and Other Victoriviruses (Family Totiviridae). Journal of Virology, 2011, 85, 7483-7495.	1.5	20
45	Virion Structure of Baboon Reovirus, a Fusogenic Orthoreovirus That Lacks an Adhesion Fiber. Journal of Virology, 2011, 85, 7483-7495.	1.5	20
46	Localization of Mammalian Orthoreovirus Proteins to Cytoplasmic Factory-Like Structures via Nonoverlapping Regions of NS. Journal of Virology, 2010, 84, 867-882.	1.5	68
47	Backbone Trace of Partitivirus Capsid Protein from Electron Cryomicroscopy and Homology Modeling. Biophysical Journal, 2010, 99, 685-694.	0.2	26
48	Structure of <i>Fusarium poae</i> virus 1 shows conserved and variable elements of partitivirus capsids and evolutionary relationships to picobirnavirus. Journal of Structural Biology, 2010, 172, 363-371.	1.3	42
49	Peroxisomes Are Signaling Platforms for Antiviral Innate Immunity. Cell, 2010, 141, 668-681.	13.5	717
50	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.	3.3	80
51	Requirements for the Formation of Membrane Pores by the Reovirus Myristoylated NS Peptide. Journal of Virology, 2009, 83, 7004-7014.	1.5	55
52	Victorivirus, a new genus of fungal viruses in the family Totiviridae. Archives of Virology, 2009, 154, 373-379.	0.9	103
53	Cryspovirus: a new genus of protozoan viruses in the family Partitiviridae. Archives of Virology, 2009, 154, 1959-1965.	0.9	62
54	Peptides released from reovirus outer capsid form membrane pores that recruit virus particles. EMBO Journal, 2008, 27, 1289-1298.	3.5	92

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55	Formation of the factory matrix is an important, though not a sufficient function of nonstructural protein $\sigma$ NS during reovirus infection. <i>Virology</i> , 2008, 375, 412-423.	1.1	27
56	Partitivirus Structure Reveals a 120-Subunit, Helix-Rich Capsid with Distinctive Surface Arches Formed by Quasisymmetric Coat-Protein Dimers. <i>Structure</i> , 2008, 16, 776-786.	1.6	58
57	Mechanism for Coordinated RNA Packaging and Genome Replication by Rotavirus Polymerase VP1. <i>Structure</i> , 2008, 16, 1678-1688.	1.6	148
58	Infectious myonecrosis virus has a totivirus-like, 120-subunit capsid, but with fiber complexes at the fivefold axes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17526-17531.	3.3	57
59	A positive-feedback mechanism promotes reovirus particle conversion to the intermediate associated with membrane penetration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10571-10576.	3.3	31
60	Virus-derived Platforms for Visualizing Protein Associations inside Cells. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 1027-1038.	2.5	31
61	$\sigma$ 2A-like <sup>TM</sup> and $\sigma$ shifty heptamer <sup>TM</sup> motifs in penaeid shrimp infectious myonecrosis virus, a monosegmented double-stranded RNA virus. <i>Journal of General Virology</i> , 2007, 88, 1315-1318.	1.3	57
62	Thermolabilizing Pseudoreversions in Reovirus Outer-Capsid Protein $\sigma$ 41 Rescue the Entry Defect Conferred by a Thermostabilizing Mutation. <i>Journal of Virology</i> , 2007, 81, 7400-7409.	1.5	18
63	A Role for Molecular Chaperone Hsc70 in Reovirus Outer Capsid Disassembly. <i>Journal of Biological Chemistry</i> , 2007, 282, 12210-12219.	1.6	56
64	Guanidine Hydrochloride Inhibits Mammalian Orthoreovirus Growth by Reversibly Blocking the Synthesis of Double-Stranded RNA. <i>Journal of Virology</i> , 2007, 81, 4572-4584.	1.5	20
65	Thermostabilizing mutations in reovirus outer-capsid protein $\sigma$ 1 selected by heat inactivation of infectious subvirion particles. <i>Virology</i> , 2007, 361, 412-425.	1.1	34
66	Silencing and complementation of reovirus core protein $\sigma$ 2: Functional correlations with $\sigma$ 2 <sup>+</sup> microtubule association and differences between virus- and plasmid-derived $\sigma$ 2. <i>Virology</i> , 2007, 364, 301-316.	1.1	13
67	Reovirus $\sigma$ 41 Structural Rearrangements That Mediate Membrane Penetration. <i>Journal of Virology</i> , 2006, 80, 12367-12376.	1.5	52
68	Mammalian reovirus, a nonfusogenic nonenveloped virus, forms size-selective pores in a model membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16496-16501.	3.3	106
69	Features of Reovirus Outer Capsid Protein $\sigma$ 41 Revealed by Electron Cryomicroscopy and Image Reconstruction of the Virion at 7.0 Å... Resolution. <i>Structure</i> , 2005, 13, 1545-1557.	1.6	80
70	Structure of avian orthoreovirus virion by electron cryomicroscopy and image reconstruction. <i>Virology</i> , 2005, 343, 25-35.	1.1	62
71	Carboxyl-Proximal Regions of Reovirus Nonstructural Protein $\sigma$ NS Necessary and Sufficient for Forming Factory-Like Inclusions. <i>Journal of Virology</i> , 2005, 79, 6194-6206.	1.5	74
72	Putative Autocleavage of Reovirus $\sigma$ 41 Protein in Concert with Outer-capsid Disassembly and Activation for Membrane Permeabilization. <i>Journal of Molecular Biology</i> , 2005, 345, 461-474.	2.0	88

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73	Conserved Sequence Motifs for Nucleoside Triphosphate Binding Unique to Turreted Reoviridae Members and Coltiviruses. <i>Journal of Virology</i> , 2004, 78, 5528-5530.	1.5	25
74	Putative Autocleavage of Outer Capsid Protein $\sigma 41$ , Allowing Release of Myristoylated Peptide $\sigma 41N$ during Particle Uncoating, Is Critical for Cell Entry by Reovirus. <i>Journal of Virology</i> , 2004, 78, 8732-8745.	1.5	120
75	Increased Ubiquitination and Other Covariant Phenotypes Attributed to a Strain- and Temperature-Dependent Defect of Reovirus Core Protein $\sigma 42$ . <i>Journal of Virology</i> , 2004, 78, 10291-10302.	1.5	25
76	Reovirus Nonstructural Protein $\sigma NS$ Recruits Viral Core Surface Proteins and Entering Core Particles to Factory-Like Inclusions. <i>Journal of Virology</i> , 2004, 78, 1882-1892.	1.5	91
77	Cathepsin S Supports Acid-independent Infection by Some Reoviruses. <i>Journal of Biological Chemistry</i> , 2004, 279, 8547-8557.	1.6	47
78	Nucleoside and RNA Triphosphatase Activities of Orthoreovirus Transcriptase Cofactor $\sigma 42$ . <i>Journal of Biological Chemistry</i> , 2004, 279, 4394-4403.	1.6	60
79	Comparisons of the M1 genome segments and encoded $\mu 2$ proteins of different reovirus isolates. <i>Virology Journal</i> , 2004, 1, 6.	1.4	42
80	Endocytosis by Random Initiation and Stabilization of Clathrin-Coated Pits. <i>Cell</i> , 2004, 118, 591-605.	13.5	787
81	Orthoreovirus and Aquareovirus core proteins: conserved enzymatic surfaces, but not protein-protein interfaces. <i>Virus Research</i> , 2004, 101, 15-28.	1.1	44
82	Reovirus polymerase $\sigma 3$ localized by cryo-electron microscopy of virions at a resolution of 7.6 Å... <i>Nature Structural and Molecular Biology</i> , 2003, 10, 1011-1018.	3.6	154
83	Disulfide Bonding among $\sigma 41$ Trimers in Mammalian Reovirus Outer Capsid: a Late and Reversible Step in Virion Morphogenesis. <i>Journal of Virology</i> , 2003, 77, 5389-5400.	1.5	18
84	Reovirus $\sigma NS$ Protein Localizes to Inclusions through an Association Requiring the $\sigma NS$ Amino Terminus. <i>Journal of Virology</i> , 2003, 77, 4566-4576.	1.5	73
85	The $\sigma$ Region of Outer-Capsid Protein $\sigma 41$ Undergoes Conformational Change and Release from Reovirus Particles during Cell Entry. <i>Journal of Virology</i> , 2003, 77, 13361-13375.	1.5	88
86	Mammalian Reovirus Nonstructural Protein $\sigma NS$ Forms Large Inclusions and Colocalizes with Reovirus Microtubule-Associated Protein $\sigma 42$ in Transfected Cells. <i>Journal of Virology</i> , 2002, 76, 8285-8297.	1.5	123
87	Strategy for Nonenveloped Virus Entry: a Hydrophobic Conformer of the Reovirus Membrane Penetration Protein $\sigma 41$ Mediates Membrane Disruption. <i>Journal of Virology</i> , 2002, 76, 9920-9933.	1.5	166
88	The Hydrophilic Amino-Terminal Arm of Reovirus Core Shell Protein $\sigma 1$ Is Dispensable for Particle Assembly. <i>Journal of Virology</i> , 2002, 76, 12211-12222.	1.5	33
89	Sites and Determinants of Early Cleavages in the Proteolytic Processing Pathway of Reovirus Surface Protein $\sigma 3$ . <i>Journal of Virology</i> , 2002, 76, 5184-5197.	1.5	42
90	Reovirus Core Protein $\sigma 42$ Determines the Filamentous Morphology of Viral Inclusion Bodies by Interacting with and Stabilizing Microtubules. <i>Journal of Virology</i> , 2002, 76, 4483-4496.	1.5	174

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91	Thermostability of Reovirus Disassembly Intermediates (ISVPs) Correlates with Genetic, Biochemical, and Thermodynamic Properties of Major Surface Protein $\sigma 1$ . <i>Journal of Virology</i> , 2002, 76, 1051-1061.	1.5	62
92	Structure of the Reovirus Membrane-Penetration Protein, $\sigma 41$ , in a Complex with Its Protector Protein, $\sigma 3$ . <i>Cell</i> , 2002, 108, 283-295.	13.5	225
93	RNA Synthesis in a Cage—Structural Studies of Reovirus Polymerase $\sigma 3$ . <i>Cell</i> , 2002, 111, 733-745.	13.5	309
94	Structure of the Human Reovirus Virion at 9.6 Å Resolution. <i>Microscopy and Microanalysis</i> , 2002, 8, 846-847.	0.2	0
95	Rotavirus Translation Control Protein Takes RNA to Heart. <i>Structure</i> , 2002, 10, 129-130.	1.6	3
96	Loss of Activities for mRNA Synthesis Accompanies Loss of $\sigma 2$ Spikes from Reovirus Cores: An Effect of $\sigma 2$ on $\sigma 1$ Shell Structure. <i>Virology</i> , 2002, 296, 24-38.	1.1	15
97	Mammalian Reovirus L2 Gene and $\sigma 2$ Core Spike Protein Sequences and Whole-Genome Comparisons of Reoviruses Type 1 Lang, Type 2 Jones, and Type 3 Dearing. <i>Virology</i> , 2001, 287, 333-348.	1.1	55
98	Complete In Vitro Assembly of the Reovirus Outer Capsid Produces Highly Infectious Particles Suitable for Genetic Studies of the Receptor-Binding Protein. <i>Journal of Virology</i> , 2001, 75, 5335-5342.	1.5	52
99	Structure of the reovirus core at 3.6 Å resolution. <i>Nature</i> , 2000, 404, 960-967.	13.7	428
100	Identification of the Guanylyltransferase Region and Active Site in Reovirus mRNA Capping Protein $\sigma 2$ . <i>Journal of Biological Chemistry</i> , 2000, 275, 2804-2810.	1.6	60
101	Reovirus Nonstructural Protein $\sigma 4$ NS Binds to Core Particles but Does Not Inhibit Their Transcription and Capping Activities. <i>Journal of Virology</i> , 2000, 74, 5516-5524.	1.5	55
102	Mammalian Reovirus L3 Gene Sequences and Evidence for a Distinct Amino-Terminal Region of the $\sigma 1$ Protein. <i>Virology</i> , 1999, 258, 54-64.	1.1	31
103	Mammalian Reovirus M3 Gene Sequences and Conservation of Coiled-Coil Motifs near the Carboxyl Terminus of the $\sigma 4$ NS Protein. <i>Virology</i> , 1999, 264, 16-24.	1.1	30
104	Reovirus Virion-Like Particles Obtained by Recoating Infectious Subvirion Particles with Baculovirus-Expressed $\sigma 3$ Protein: an Approach for Analyzing $\sigma 3$ Functions during Virus Entry. <i>Journal of Virology</i> , 1999, 73, 2963-2973.	1.5	47
105	In Vitro Recoating of Reovirus Cores with Baculovirus-Expressed Outer-Capsid Proteins $\sigma 41$ and $\sigma 3$ . <i>Journal of Virology</i> , 1999, 73, 3941-3950.	1.5	113
106	Internal Structures Containing Transcriptase-Related Proteins in Top Component Particles of Mammalian Orthoreovirus. <i>Virology</i> , 1998, 245, 33-46.	1.1	91
107	Binding Site for S-Adenosyl-L-methionine in a Central Region of Mammalian Reovirus $\sigma 2$ Protein. <i>Journal of Biological Chemistry</i> , 1998, 273, 23773-23780.	1.6	45
108	Protease Cleavage of Reovirus Capsid Protein $\sigma 41/\sigma 41C$ Is Blocked by Alkyl Sulfate Detergents, Yielding a New Type of Infectious Subvirion Particle. <i>Journal of Virology</i> , 1998, 72, 467-475.	1.5	56

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109	Cleavage Susceptibility of Reovirus Attachment Protein $\sigma_1$ during Proteolytic Disassembly of Virions Is Determined by a Sequence Polymorphism in the $\sigma_1$ Neck. <i>Journal of Virology</i> , 1998, 72, 8205-8213.	1.5	54
110	Complete nucleotide sequence of the M2 gene segment of reovirus type 3 dearing and analysis of its protein product $\sigma_4$ . <i>Virology</i> , 1988, 163, 591-602.	1.1	68