Citation Report
List of articles citing

# Intermediates in the assembly pathway of the double-stranded RNA virus phi6

DOI: 10.1093/emboj/16.14.4477
EMBO Journal, 1997, 16, 4477-87.

**Source:** https://exaly.com/paper-pdf/28588793/citation-report.pdf
**Version:** 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

| # | Paper | IF | Citations |
|---|---|---|---|
| 138 | Internal/structures containing transcriptase-related proteins in top component particles of mammalian orthoreovirus. **1998**, 245, 33-46 | | 77 |
| 137 | The atomic structure of the bluetongue virus core. **1998**, 395, 470-8 | | 488 |
| 136 | Spherical viruses. **1998**, 8, 142-9 | | 16 |
| 135 | Structure and NTPase activity of the RNA-translocating protein (P4) of bacteriophage phi 6. **1998**, 279, 347-59 | | 57 |
| 134 | The Gag domain of the Gag-Pol fusion protein directs incorporation into the L-A double-stranded RNA viral particles in Saccharomyces cerevisiae. **1998**, 273, 9306-11 | | 27 |
| 133 | Packaging and replication regulation revealed by chimeric genome segments of double-stranded RNA bacteriophage phi6. *Rna*, **1999**, 5, 446-54 | 5.8 | 17 |
| 132 | Adding the third dimension to virus life cycles: three-dimensional reconstruction of icosahedral viruses from cryo-electron micrographs. *Microbiology and Molecular Biology Reviews*, **1999**, 63, 862-922, table of contents | 13.2 | 428 |
| 131 | Reverse genetics of dsRNA bacteriophage phi 6. **1999**, 53, 341-53 | | 24 |
| 130 | A novel virus-host cell membrane interaction. Membrane voltage-dependent endocytic-like entry of bacteriophage straight phi6 nucleocapsid. **1999**, 147, 671-82 | | 36 |
| 129 | The structure of a cypovirus and the functional organization of dsRNA viruses. **1999**, 6, 565-8 | | 116 |
| 128 | Purification and protein composition of PM2, the first lipid-containing bacterial virus to be isolated. **1999**, 262, 364-74 | | 43 |
| 127 | Evolution: the long evolutionary reach of viruses. **1999**, 9, R914-7 | | 76 |
| 126 | Courageous science: structural studies of bluetongue virus core. **1999**, 7, R43-6 | | 6 |
| 125 | The role of scaffolding proteins in the assembly of the small, single-stranded DNA virus phiX174. **1999**, 288, 595-608 | | 77 |
| 124 | A symmetry mismatch at the site of RNA packaging in the polymerase complex of dsRNA bacteriophage phi6. **1999**, 294, 357-72 | | 87 |
| 123 | PHAGE ?6 (CYSTOVIRIDAE). **1999**, 1205-1208 | | |
| 122 | Structure of the reovirus core at 3.6 A resolution. **2000**, 404, 960-7 | | 392 |

| | | | |
|---|---|---|---|
| 121 | Virus structures: Those magnificent molecular machines. **2000**, 10, R558-61 | | 12 |
| 120 | Characterization of phi8, a bacteriophage containing three double-stranded RNA genomic segments and distantly related to Phi6. **2000**, 272, 218-24 | | 42 |
| 119 | Characterization of phi 13, a bacteriophage related to phi 6 and containing three dsRNA genomic segments. **2000**, 275, 218-24 | | 40 |
| 118 | Genome replication and packaging of segmented double-stranded RNA viruses. **2000**, 277, 217-25 | | 119 |
| 117 | RNA secondary structures of the bacteriophage phi6 packaging regions. *Rna*, **2000**, 6, 880-9 | 5.8 | 33 |
| 116 | Maturation dynamics of a viral capsid: visualization of transitional intermediate states. **2000**, 100, 253-63 | | 125 |
| 115 | Mechanism of genome transcription in segmented dsRNA viruses. **2000**, 55, 185-229 | | 70 |
| 114 | Self-assembly of a viral molecular machine from purified protein and RNA constituents. **2001**, 7, 845-54 | | 80 |
| 113 | Bacteriophages: Lipid-containing. **2001**, | | |
| 112 | Reverse genetics and recombination in Phi8, a dsRNA bacteriophage. **2001**, 286, 113-8 | | 15 |
| 111 | Virus maturation involving large subunit rotations and local refolding. **2001**, 292, 744-8 | | 172 |
| 110 | C terminus of infectious bursal disease virus major capsid protein VP2 is involved in definition of the T number for capsid assembly. *Journal of Virology*, **2001**, 75, 10815-28 | 6.6 | 94 |
| 109 | The reversible condensation and expansion of the rotavirus genome. **2001**, 98, 1381-6 | | 44 |
| 108 | Evolution of viral structure. **2002**, 61, 461-70 | | 135 |
| 107 | Those magnificent molecular machines: logistics in dsRNA virus transcription. **2002**, 3, 317-8 | | 4 |
| 106 | Imbroglios of viral taxonomy: genetic exchange and failings of phenetic approaches. *Journal of Bacteriology*, **2002**, 184, 4891-905 | 3.5 | 208 |
| 105 | The dsRNA Viridae and their catalytic capsids. **2002**, 9, 714-6 | | 19 |
| 104 | Characterization of phi 12, a bacteriophage related to phi 6: nucleotide sequence of the small and middle double-stranded RNA. **2002**, 293, 118-24 | | 22 |

| | | | |
|---|---|---|---|
| 103 | Characterization of phi12, a bacteriophage related to phi6: nucleotide sequence of the large double-stranded RNA. **2002**, 295, 266-71 | | 22 |
| 102 | The structure of P4 procapsids produced by coexpression of capsid and external scaffolding proteins. **2002**, 298, 224-31 | | 22 |
| 101 | Searching for the advantages of virus sex. **2003**, 33, 95-108 | | 18 |
| 100 | Cytoplasmic polyhedrosis virus structure at 8 A by electron cryomicroscopy: structural basis of capsid stability and mRNA processing regulation. **2003**, 11, 651-63 | | 56 |
| 99 | CPV, a stable and symmetrical machine for mRNA synthesis. **2003**, 11, 605-7 | | 8 |
| 98 | Dynamics of herpes simplex virus capsid maturation visualized by time-lapse cryo-electron microscopy. **2003**, 10, 334-41 | | 140 |
| 97 | Viral genome organization. **2003**, 64, 219-58 | | 9 |
| 96 | II, 1. Structural organization of the genome in rotavirus. **2003**, 9, 115-127 | | 5 |
| 95 | Conserved intermediates on the assembly pathway of double-stranded RNA bacteriophages. **2003**, 328, 791-804 | | 40 |
| 94 | Three-dimensional structure of penicillium chrysogenum virus: a double-stranded RNA virus with a genuine T=1 capsid. **2003**, 331, 417-31 | | 44 |
| 93 | Bacteriophage observations and evolution. **2003**, 154, 245-51 | | 250 |
| 92 | Two distinct mechanisms ensure transcriptional polarity in double-stranded RNA bacteriophages. *Journal of Virology*, **2003**, 77, 1195-203 | 6.6 | 20 |
| 91 | Intermolecular interactions in a two-layered viral capsid that requires a complex symmetry mismatch. *Journal of Virology*, **2003**, 77, 11114-24 | 6.6 | 22 |
| 90 | RNA packaging device of double-stranded RNA bacteriophages, possibly as simple as hexamer of P4 protein. **2003**, 278, 48084-91 | | 46 |
| 89 | Structure of isolated nucleocapsids from venezuelan equine encephalitis virus and implications for assembly and disassembly of enveloped virus. *Journal of Virology*, **2003**, 77, 659-64 | 6.6 | 26 |
| 88 | Self-organization: making complex infectious viral particles from purified precursors. **2003**, 361, 1187-203 | | 1 |
| 87 | Hot new virus, deep connections. **2004**, 101, 7495-6 | | 6 |
| 86 | Packaging motor from double-stranded RNA bacteriophage phi12 acts as an obligatory passive conduit during transcription. *Nucleic Acids Research*, **2004**, 32, 3515-21 | 20.1 | 25 |

| | | | |
|---|---|---|---|
| 85 | Interactions between the inner and outer capsids of bluetongue virus. *Journal of Virology*, **2004**, 78, 8059-67 | 6.67 | 82 |
| 84 | Phages of Pseudomonas. **2004**, 233-259 | | |
| 83 | RNA-dependent RNA polymerases of dsRNA bacteriophages. *Virus Research*, **2004**, 101, 45-55 | 6.4 | 33 |
| 82 | Nonstructural proteins involved in genome packaging and replication of rotaviruses and other members of the Reoviridae. *Virus Research*, **2004**, 101, 57-66 | 6.4 | 61 |
| 81 | Emerging themes in rotavirus cell entry, genome organization, transcription and replication. *Virus Research*, **2004**, 101, 67-81 | 6.4 | 93 |
| 80 | Packaging, replication and recombination of the segmented genome of bacteriophage Phi6 and its relatives. *Virus Research*, **2004**, 101, 83-92 | 6.4 | 68 |
| 79 | Self-assembly of double-stranded RNA bacteriophages. *Virus Research*, **2004**, 101, 93-100 | 6.4 | 52 |
| 78 | Crosslinking renders bacteriophage HK97 capsid maturation irreversible and effects an essential stabilization. *EMBO Journal*, **2005**, 24, 1352-63 | 13 | 55 |
| 77 | Penetration of enveloped double-stranded RNA bacteriophages phi13 and phi6 into Pseudomonas syringae cells. *Journal of Virology*, **2005**, 79, 5017-26 | 6.6 | 29 |
| 76 | The Double Stranded RNA Viruses. **2005**, 441-605 | | 1 |
| 75 | Bluetongue virus proteins and particles and their role in virus entry, assembly, and release. **2005**, 64, 69-123 | | 50 |
| 74 | Structure of birnavirus-like particles determined by combined electron cryomicroscopy and X-ray crystallography. *Journal of General Virology*, **2005**, 86, 2339-2346 | 4.9 | 27 |
| 73 | Domain study of bacteriophage p22 coat protein and characterization of the capsid lattice transformation by hydrogen/deuterium exchange. **2005**, 347, 935-48 | | 39 |
| 72 | The birnavirus crystal structure reveals structural relationships among icosahedral viruses. **2005**, 120, 761-72 | | 241 |
| 71 | Assembly of double-stranded RNA bacteriophages. **2005**, 64, 15-43 | | 32 |
| 70 | Interaction of packaging motor with the polymerase complex of dsRNA bacteriophage. **2006**, 351, 73-9 | | 28 |
| 69 | Structure of the bacteriophage phi6 nucleocapsid suggests a mechanism for sequential RNA packaging. **2006**, 14, 1039-48 | | 95 |
| 68 | A thermally induced phase transition in a viral capsid transforms the hexamers, leaving the pentamers unchanged. **2007**, 158, 224-32 | | 33 |

| | | | |
|---|---|---|---|
| 67 | Electron cryomicroscopy comparison of the architectures of the enveloped bacteriophages phi6 and phi8. **2007**, 15, 157-67 | | 50 |
| 66 | Electron cryo-tomographic structure of cystovirus phi 12. **2008**, 372, 1-9 | | 11 |
| 65 | Structure and dynamics of the P7 protein from the bacteriophage phi 12. **2008**, 382, 402-22 | | 15 |
| 64 | Roles of the minor capsid protein P7 in the assembly and replication of double-stranded RNA bacteriophage phi6. **2008**, 383, 529-38 | | 15 |
| 63 | Initial location of the RNA-dependent RNA polymerase in the bacteriophage Phi6 procapsid determined by cryo-electron microscopy. **2008**, 283, 12227-31 | | 36 |
| 62 | The closest relatives of icosahedral viruses of thermophilic bacteria are among viruses and plasmids of the halophilic archaea. *Journal of Virology*, **2009**, 83, 9388-97 | 6.6 | 41 |
| 61 | Unfolding thermodynamics of the Delta-domain in the prohead I subunit of phage HK97: determination by factor analysis of Raman spectra. **2009**, 385, 628-41 | | 8 |
| 60 | Core-Associated Genome Replication Mechanisms of dsRNA Viruses. **2009**, 201-224 | | |
| 59 | Geographic differences in sexual reassortment in RNA phage. **2010**, 64, 3010-23 | | 12 |
| 58 | Cryo-electron tomography of bacteriophage phi6 procapsids shows random occupancy of the binding sites for RNA polymerase and packaging NTPase. **2010**, 171, 389-96 | | 26 |
| 57 | Genome packaging in viruses. **2010**, 20, 114-20 | | 102 |
| 56 | Stepwise expansion of the bacteriophage ?6 procapsid: possible packaging intermediates. **2011**, 414, 260-71 | | 23 |
| 55 | Toroidal surface complexes of bacteriophage ?12 are responsible for host-cell attachment. **2011**, 414, 103-9 | | 11 |
| 54 | Proposed ancestors of phage nucleic acid packaging motors (and cells). *Viruses*, **2011**, 3, 1249-80 | 6.2 | 10 |
| 53 | Packaging in dsRNA viruses. *Advances in Experimental Medicine and Biology*, **2012**, 726, 601-8 | 3.6 | 14 |
| 52 | Packaging accessory protein P7 and polymerase P2 have mutually occluding binding sites inside the bacteriophage 6 procapsid. *Journal of Virology*, **2012**, 86, 11616-24 | 6.6 | 24 |
| 51 | Mechanism of RNA packaging motor. *Advances in Experimental Medicine and Biology*, **2012**, 726, 609-29 | 3.6 | 11 |
| 50 | Bacteriophage ?6 nucleocapsid surface protein 8 interacts with virus-specific membrane vesicles containing major envelope protein 9. *Journal of Virology*, **2012**, 86, 5376-9 | 6.6 | 8 |

| | | | |
|---|---|---|---|
| 49 | Probing, by self-assembly, the number of potential binding sites for minor protein subunits in the procapsid of double-stranded RNA bacteriophage ϕ6. *Journal of Virology*, **2012**, 86, 12208-16 | 6.6 | 17 |
| 48 | Protein P7 of the cystovirus ϕ6 is located at the three-fold axis of the unexpanded procapsid. *PLoS ONE*, **2012**, 7, e47489 | 3.7 | 9 |
| 47 | Assembly of large icosahedral double-stranded RNA viruses. *Advances in Experimental Medicine and Biology*, **2012**, 726, 379-402 | 3.6 | 29 |
| 46 | Bacteriophage ϕ6--structure investigated by fluorescence Stokes shift spectroscopy. **2012**, 88, 304-10 | | 4 |
| 45 | Cryo-electron tomography of bacterial viruses. **2013**, 435, 179-86 | | 12 |
| 44 | Subunit folds and maturation pathway of a dsRNA virus capsid. **2013**, 21, 1374-83 | | 39 |
| 43 | Plate tectonics of virus shell assembly and reorganization in phage ϕ8, a distant relative of mammalian reoviruses. **2013**, 21, 1384-95 | | 36 |
| 42 | Rescue of maturation off-pathway products in the assembly of Pseudomonas phage ϕ6. *Journal of Virology*, **2013**, 87, 13279-86 | 6.6 | 8 |
| 41 | The structure of the NTPase that powers DNA packaging into Sulfolobus turreted icosahedral virus 2. *Journal of Virology*, **2013**, 87, 8388-98 | 6.6 | 16 |
| 40 | Tracking in atomic detail the functional specializations in viral RecA helicases that occur during evolution. *Nucleic Acids Research*, **2013**, 41, 9396-410 | 20.1 | 17 |
| 39 | The distribution and impact of viral lineages in domains of life. **2014**, 5, 194 | | 30 |
| 38 | Sequential packaging of RNA genomic segments during the assembly of Bluetongue virus. *Nucleic Acids Research*, **2014**, 42, 13824-38 | 20.1 | 38 |
| 37 | Metastable intermediates as stepping stones on the maturation pathways of viral capsids. *MBio*, **2014**, 5, e02067 | 7.8 | 12 |
| 36 | Electrostatic interactions drive the self-assembly and the transcription activity of the Pseudomonas phage ?6 procapsid. *Journal of Virology*, **2014**, 88, 7112-6 | 6.6 | 2 |
| 35 | The ?6 cystovirus protein P7 becomes accessible to antibodies in the transcribing nucleocapsid: a probe for viral structural elements. *PLoS ONE*, **2015**, 10, e0122160 | 3.7 | 1 |
| 34 | New enveloped dsRNA phage from freshwater habitat. *Journal of General Virology*, **2015**, 96, 1180-1189 | 4.9 | 8 |
| 33 | A newly isolated reovirus has the simplest genomic and structural organization of any reovirus. *Journal of Virology*, **2015**, 89, 676-87 | 6.6 | 42 |
| 32 | Coordination of Genomic RNA Packaging with Viral Assembly in HIV-1. *Viruses*, **2016**, 8, | 6.2 | 8 |

| | | | |
|---|---|---|---|
| 31 | Cystoviral RNA-directed RNA polymerases: Regulation of RNA synthesis on multiple time and length scales. *Virus Research*, **2017**, 234, 135-152 | 6.4 | 6 |
| 30 | Double-stranded RNA virus outer shell assembly by bona fide domain-swapping. *Nature Communications*, **2017**, 8, 14814 | 17.4 | 28 |
| 29 | Single-molecule measurements of viral ssRNA packaging. *Rna*, **2017**, 23, 119-129 | 5.8 | 1 |
| 28 | Recognition of six additional cystoviruses: Pseudomonas virus phi6 is no longer the sole species of the family Cystoviridae. *Archives of Virology*, **2018**, 163, 1117-1124 | 2.6 | 20 |
| 27 | Dual Role of a Viral Polymerase in Viral Genome Replication and Particle Self-Assembly. *MBio*, **2018**, 9, | 7.8 | 5 |
| 26 | Controlled Disassembly and Purification of Functional Viral Subassemblies Using Asymmetrical Flow Field-Flow Fractionation (AF4). *Viruses*, **2018**, 10, | 6.2 | 7 |
| 25 | Recent Advancements in 3-D Structure Determination of Bacteriophages: from Negative Stain to CryoEM. *Journal of the Indian Institute of Science*, **2018**, 98, 247-260 | 2.4 | |
| 24 | Genome packaging in multi-segmented dsRNA viruses: distinct mechanisms with similar outcomes. *Current Opinion in Virology*, **2018**, 33, 106-112 | 7.5 | 37 |
| 23 | Virus Maturation. *Advances in Experimental Medicine and Biology*, **2019**, 1215, 129-158 | 3.6 | 2 |
| 22 | Assembly intermediates of orthoreovirus captured in the cell. *Nature Communications*, **2020**, 11, 4445 | 17.4 | 13 |
| 21 | Hypotheses of virus origin and evolutionary patterns of plant viruses. **2020**, 779-796 | | |
| 20 | Encapsidation of the Segmented Double-Stranded RNA Genome of Bacteriophage Φ6. **2005**, 117-134 | | 2 |
| 19 | Structural studies of orbivirus particles. *Archives of Virology Supplementum*, **1998**, 14, 235-50 | | 18 |
| 18 | Chapter 9:Hexameric Viral RNA Helicases. *RSC Biomolecular Sciences*, **2010**, 213-242 | | 2 |
| 17 | Assembly intermediates of orthoreovirus captured in the cell. | | 1 |
| 16 | Isolation of additional bacteriophages with genomes of segmented double-stranded RNA. *Journal of Bacteriology*, **1999**, 181, 4505-8 | 3.5 | 89 |
| 15 | Mutational analysis of the role of nucleoside triphosphatase P4 in the assembly of the RNA polymerase complex of bacteriophage phi6. *Journal of Virology*, **1998**, 72, 10058-65 | 6.6 | 26 |
| 14 | Visualization of protein-RNA interactions in cytoplasmic polyhedrosis virus. *Journal of Virology*, **1999**, 73, 1624-9 | 6.6 | 56 |

| | | | |
|---|---|---|---|
| 13 | The reovirus mutant tsA279 L2 gene is associated with generation of a spikeless core particle: implications for capsid assembly. *Journal of Virology*, **1999**, 73, 2298-308 | 6.6 | 15 |
| 12 | Precise packaging of the three genomic segments of the double-stranded-RNA bacteriophage phi6. *Microbiology and Molecular Biology Reviews*, **1999**, 63, 149-60 | 13.2 | 96 |
| 11 | Three-dimensional structure of the enveloped bacteriophage phi12: an incomplete T = 13 lattice is superposed on an enclosed T = 1 shell. *PLoS ONE*, **2009**, 4, e6850 | 3.7 | 19 |
| 10 | Component tree analysis of cystovirus Φ nucleocapsid Cryo-EM single particle reconstructions. *PLoS ONE*, **2018**, 13, e0188858 | 3.7 | 3 |
| 9 | How Macromolecules Associate. **2001**, 325-377 | | |
| 8 | The Double-Stranded RNA Viruses of Saccharomyces Cerevisiae. **2001**, 67-108 | | 0 |
| 7 | RNA Viruses and Killer Genetics of Saccharomyces. **2004**, 219-237 | | |
| 6 | The Morphology and Structure of Viruses. | | |
| 5 | Cystovirus ?6 Structure Probed by Stokes Shift Fluorescence Spectroscopy. **2011**, | | |
| 4 | Genetics of Other Intemperate Bacteriophages. **2006**, 221-259 | | |
| 3 | RNA Packaging in the Bacteriophages: Dynamic Interactions during Capsid Maturation.. *International Journal of Molecular Sciences*, **2022**, 23, | 6.3 | 0 |
| 2 | Antiviral Characterization of Advanced Materials: Use of Bacteriophage Phi 6 as Surrogate of Enveloped Viruses Such as SARS-CoV-2. *International Journal of Molecular Sciences*, **2022**, 23, 5335 | 6.3 | 1 |
| 1 | Characterization of the rotavirus assembly pathway in situ using cryoelectron tomography. **2023**, 31, 604-615.e4 | | 0 |