Terje Dokland

List of Publications by Year
in descending order

68 papers	3,165 citations	218677 26 h-index	161849 54 g-index
71 all docs	71 docs citations	71 times ranked	3702 citing authors

#	Article	IF	Citations
1	Grape Exosome-like Nanoparticles Induce Intestinal Stem Cells and Protect Mice From DSS-Induced Colitis. Molecular Therapy, 2013, 21, 1345-1357.	8.2	495
2	Structural heterogeneity and protein composition of exosomeâ€like vesicles (prostasomes) in human semen. Prostate, 2009, 69, 159-167.	2.3	271
3	The structural biology of PRRSV. Virus Research, 2010, 154, 86-97.	2.2	241
4	Structural Transitions During Maturation of Bacteriophage Lambda Capsids. Journal of Molecular Biology, 1993, 233, 682-694.	4.2	166
5	West Nile Virus Core Protein. Structure, 2004, 12, 1157-1163.	3.3	159
6	Structure of a viral procapsid with molecular scaffolding. Nature, 1997, 389, 308-313.	27.8	152
7	Exosomal transfer of mitochondria from airway myeloid-derived regulatory cells to T cells. Redox Biology, 2018, 18, 54-64.	9.0	130
8	Pirates of the Caudovirales. Virology, 2012, 434, 210-221.	2.4	103
9	The role of scaffolding proteins in the assembly of the small, single-stranded DNA virus Ï†X174 1 1Edited by I. A. Wilson. Journal of Molecular Biology, 1999, 288, 595-608.	4.2	82
10	The Capsid Size-determining Protein Sid Forms an External Scaffold on Phage P4 Procapsids. Journal of Molecular Biology, 1995, 251, 59-75.	4.2	68
11	Structure of the Nucleocapsid Protein of Porcine Reproductive and Respiratory Syndrome Virus. Structure, 2003, 11, 1445-1451.	3.3	68
12	Cryo-electron tomography of porcine reproductive and respiratory syndrome virus: organization of the nucleocapsid. Journal of General Virology, 2009, 90, 527-535.	2.9	68
13	Bacteriophage Proteinâ€"Protein Interactions. Advances in Virus Research, 2012, 83, 219-298.	2.1	61
14	Freedom and restraint: themes in virus capsid assembly. Structure, 2000, 8, R157-R162.	3.3	59
15	DNA packaging intermediates of bacteriophage Ï†X174. Structure, 1995, 3, 353-363.	3.3	57
16	Structure of the host cell recognition and penetration machinery of a Staphylococcus aureus bacteriophage. PLoS Pathogens, 2020, 16, e1008314.	4.7	55
17	Structural studies on the authentic mumps virus nucleocapsid showing uncoiling by the phosphoprotein. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15208-15213.	7.1	54
18	Phosphate induces formation of matrix vesicles during odontoblast-initiated mineralization in vitro. Matrix Biology, 2016, 52-54, 284-300.	3.6	52

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19	Capsid Size Determination by Staphylococcus aureus Pathogenicity Island SaPI1 Involves Specific Incorporation of SaPI1 Proteins into Procapsids. Journal of Molecular Biology, 2008, 380, 465-475.	4.2	50
20	The roles of SaPI1 proteins gp7 (CpmA) and gp6 (CpmB) in capsid size determination and helper phage interference. Virology, 2012, 432, 277-282.	2.4	49
21	Competing scaffolding proteins determine capsid size during mobilization of Staphylococcus aureus pathogenicity islands. ELife, 2017, 6, .	6.0	47
22	Capsid Localization of the Bacteriophage P4 Psu Protein. Virology, 1993, 194, 682-687.	2.4	31
23	A Conformational Switch Involved in Maturation of Staphylococcus aureus Bacteriophage 80Î± Capsids. Journal of Molecular Biology, 2011, 405, 863-876.	4.2	31
24	Assembly of bacteriophage P2 and P4 procapsids with internal scaffolding protein. Virology, 2006, 348, 133-140.	2.4	30
25	Bacteriophage P2 and P4 Assembly: Alternative Scaffolding Proteins Regulate Capsid Size. Virology, 1994, 200, 702-714.	2.4	29
26	Convergent evolution of pathogenicity islands in helper <i>cos</i> phage interference. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150505.	4.0	29
27	Functional domains of the bacteriophage P2 scaffolding protein: Identification of residues involved in assembly and protease activity. Virology, 2009, 384, 144-150.	2.4	28
28	In Vitro Assembly of Bacteriophage P4 Procapsids from Purified Capsid and Scaffolding Proteins. Virology, 2000, 275, 133-144.	2.4	27
29	Structure and size determination of bacteriophage P2 and P4 procapsids: Function of size responsiveness mutations. Journal of Structural Biology, 2012, 178, 215-224.	2.8	26
30	Mobilization of pathogenicity islands by Staphylococcus aureus strain Newman bacteriophages. Bacteriophage, 2012, 2, 70-78.	1.9	24
31	Assembly of bacteriophage 80Î± capsids in a Staphylococcus aureus expression system. Virology, 2012, 434, 242-250.	2.4	24
32	Molecular Piracy: Redirection of Bacteriophage Capsid Assembly by Mobile Genetic Elements. Viruses, 2019, 11, 1003.	3.3	24
33	Three-dimensional reconstruction of hibiscus chlorotic ringspot virus. Journal of Structural Biology, 2003, 144, 253-261.	2.8	23
34	The Staphylococcus aureus Pathogenicity Island 1 Protein gp6 Functions as an Internal Scaffold during Capsid Size Determination. Journal of Molecular Biology, 2011, 412, 710-722.	4.2	23
35	The Structure of P4 Procapsids Produced by Coexpression of Capsid and External Scaffolding Proteins. Virology, 2002, 298, 224-231.	2.4	22
36	Incorporation of scaffolding protein gpO in bacteriophages P2 and P4. Virology, 2008, 370, 352-361.	2.4	22

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37	Cryo-EM analysis of the organization of BclA and BxpB in the Bacillus anthracis exosporium. Journal of Structural Biology, 2014, 186, 181-187.	2.8	22
38	Pore-forming Esx proteins mediate toxin secretion by Mycobacterium tuberculosis. Nature Communications, 2021, 12, 394.	12.8	21
39	Specific <scp>N</scp>â€•terminal cleavage of ribosomal protein <scp>L</scp>27 in <scp><i>S</i></scp><i>taphylococcus aureus</i> and related bacteria. Molecular Microbiology, 2015, 95, 258-269.	2.5	20
40	Bacteriophage P2 and P4 Morphogenesis: Assembly Precedes Proteolytic Processing of the Capsid Proteins. Virology, 1994, 205, 51-65.	2.4	18
41	The gpQ portal protein of bacteriophage P2 forms dodecameric connectors in crystals. Journal of Structural Biology, 2007, 157, 432-436.	2.8	18
42	The Type 2 dUTPase of Bacteriophage Ï•NM1 Initiates Mobilization of Staphylococcus aureus Bovine Pathogenicity Island 1. Journal of Molecular Biology, 2016, 428, 142-152.	4.2	18
43	Characterization of the Capsid Associating Activity of Bacteriophage P4's Psu Protein. Virology, 1993, 194, 674-681.	2.4	17
44	Structure of the Capsid Size-Determining Scaffold of â€œSatelliteâ€•Bacteriophage P4. Viruses, 2020, 12, 953.	3.3	15
45	Three-dimensional structure of the surface layer of Wolinella recta. Oral Microbiology and Immunology, 1990, 5, 162-165.	2.8	14
46	Cleavage and Structural Transitions during Maturation of Staphylococcus aureus Bacteriophage 80Î± and SaPI1 Capsids. Viruses, 2017, 9, 384.	3.3	13
47	Structure, crystal packing and molecular dynamics of the calponin-homology domain ofSchizosaccharomyces pombeRng2. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 1396-1403.	2.5	12
48	Shape shifter: redirection of prolate phage capsid assembly by staphylococcal pathogenicity islands. Nature Communications, 2021, 12, 6408.	12.8	12
49	Cleavage leads to expansion of bacteriophage P4 procapsids in vitro. Virology, 2003, 314, 1-8.	2.4	8
50	Purification, crystallization and X-ray analysis of Hibiscus chlorotic ringspot virus. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 1481-1483.	2.5	8
51	A novel ejection protein from bacteriophage 80Î± that promotes lytic growth. Virology, 2018, 525, 237-247.	2.4	8
52	Cloning, expression, purification, crystallization and preliminary X-ray diffraction analysis of the structural domain of the nucleocapsid N protein from porcine reproductive and respiratory syndrome virus (PRRSV). Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 1504-1506.	2.5	7
53	Structure of the equine arteritis virus nucleocapsid protein reveals a dimerâ€"dimer arrangement. Acta Crystallographica Section D: Biological Crystallography, 2007, 63, 581-586.	2.5	7
54	The gp44 Ejection Protein of Staphylococcus aureus Bacteriophage 80Î± Binds to the Ends of the Genome and Protects It from Degradation. Viruses, 2020, 12, 563.	3.3	7

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55	Direct Observation of Membrane Insertion by Enveloped Virus Matrix Proteins by Phosphate Displacement. PLoS ONE, 2013, 8, e57916.	2.5	5
56	Derepression of SaPIbov1 Is Independent of Ï†NM1 Type 2 dUTPase Activity and Is Inhibited by dUTP and dUMP. Journal of Molecular Biology, 2017, 429, 1570-1580.	4.2	5
57	Transmission Electron Microscopy of Biological Specimens. Manuals in Biomedical Research, 2006, , 153-211.	0.0	4
58	Expression, purification, crystallization and preliminary crystallographic analysis of the calponin-homology domain of Rng2. Acta Crystallographica Section D: Biological Crystallography, 2003, 59, 1809-1812.	2.5	3
59	Assembly of bacteriophage P2 capsids from capsid protein fused to internal scaffolding protein. Virus Genes, 2010, 40, 298-306.	1.6	3
60	Ï•X174 Procapsid Assembly: Effects of an Inhibitory External Scaffolding Protein and Resistant Coat Proteins <i>In Vitro</i>. Journal of Virology, 2017, 91, .	3.4	3
61	Consequences of Phosphorylation in a <i>Mononegavirales</i> Polymerase-Cofactor System. Journal of Virology, 2021, 95, .	3.4	3
62	Bio-scaffolds for ordered nanostructures and metallodielectric nanoparticles. , 2005, , .		2
63	Structure and Assembly of the Bacillus anthracis Exosporium. Microscopy and Microanalysis, 2015, 21, 897-898.	0.4	1
64	gpO Peptidase (Enterobacteria phage P2). , 2013, , 3557-3560.		1
65	Staphylococcus aureus Pathogenicity Islands: Hijackers on the Bacteriophage Assembly Pathway.. Microscopy and Microanalysis, 2017, 23, 1230-1231.	0.4	0
66	Structure and Function of the Staphylococcus aureus Bacteriophage 80Î± Baseplate. Microscopy and Microanalysis, 2017, 23, 1262-1263.	0.4	0
67	Structure of the capsid size-determining scaffold of "satellite" bacteriophage P4. Microscopy and Microanalysis, 2021, 27, 1128-1129.	0.4	0
68	The Host Cell Recognition and Penetration Apparatus of Staphylococcal Bacteriophages. Microscopy and Microanalysis, 2020, 26, 2000-2001.	0.4	0