

# Detlev H KrÃ¼ger

## List of Publications by Year in descending order

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117  
papers

6,360  
citations

61984

43  
h-index

71685

76  
g-index

124  
all docs

124  
docs citations

124  
times ranked

5074  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Hantavirus N Protein Intracellular Dynamics and Localization. <i>Viruses</i> , 2022, 14, 457.	3.3	3
2	Tula Virus as Causative Agent of Hantavirus Disease in Immunocompetent Person, Germany. <i>Emerging Infectious Diseases</i> , 2021, 27, 1234-1237.	4.3	19
3	Detection of possible spillover of a novel hantavirus in a Natal mastomys from Guinea. <i>Virus Genes</i> , 2020, 56, 95-98.	1.6	4
4	Autochthonous Ratborne Seoul Virus Infection in Woman with Acute Kidney Injury. <i>Emerging Infectious Diseases</i> , 2020, 26, 3096-3099.	4.3	8
5	Macropinocytosis and Clathrin-Dependent Endocytosis Play Pivotal Roles for the Infectious Entry of Puumala Virus. <i>Journal of Virology</i> , 2020, 94, .	3.4	14
6	Replication in the Mononuclear Phagocyte System (MPS) as a Determinant of Hantavirus Pathogenicity. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 281.	3.9	14
7	Meeting report: Eleventh International Conference on Hantaviruses. <i>Antiviral Research</i> , 2020, 176, 104733.	4.1	8
8	Approaches to optimize therapeutic bacteriophage and bacteriophage-derived products to combat bacterial infections. <i>Virus Genes</i> , 2020, 56, 136-149.	1.6	33
9	Prediction of the Spatial Origin of Puumala Virus Infections Using L Segment Sequences Derived from a Generic Screening PCR. <i>Viruses</i> , 2019, 11, 694.	3.3	5
10	Hemorrhagic Fever with Renal Syndrome, Russia. <i>Emerging Infectious Diseases</i> , 2019, 25, 2325-2328.	4.3	40
11	Molecular and epidemiological characteristics of human Puumala and Dobrava-Belgrade hantavirus infections, Germany, 2001 to 2017. <i>Eurosurveillance</i> , 2019, 24, .	7.0	30
12	Severe hantavirus disease in children. <i>Journal of Clinical Virology</i> , 2018, 101, 66-68.	3.1	11
13	Classic paper: Are the chickenpox virus and the zoster virus identical?. <i>Reviews in Medical Virology</i> , 2018, 28, e1975.	8.3	1
14	Proteinuria and the Clinical Course of Dobrava-Belgrade Hantavirus Infection. <i>Nephron Extra</i> , 2018, 8, 1-10.	1.1	13
15	A Novel Hantavirus of the European Mole, Bruges Virus, Is Involved in Frequent Nova Virus Coinfections. <i>Genome Biology and Evolution</i> , 2018, 10, 45-55.	2.5	23
16	The nucleocapsid protein of hantaviruses: much more than a genome-wrapping protein. <i>Virus Genes</i> , 2018, 54, 5-16.	1.6	27
17	Importation of Human Seoul Virus Infection to Germany from Indonesia. <i>Emerging Infectious Diseases</i> , 2018, 24, 1099-1102.	4.3	15
18	Gastrointestinal Tract As Entry Route for Hantavirus Infection. <i>Frontiers in Microbiology</i> , 2017, 8, 1721.	3.5	35

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19	Clinical characterization of two severe cases of hemorrhagic fever with renal syndrome (HFRS) caused by hantaviruses Puumala and Dobrava-Belgrade genotype Sochi. <i>BMC Infectious Diseases</i> , 2016, 16, 675.	2.9	11
20	Phylogenetic analysis of a newfound bat-borne hantavirus supports a laurasiatherian host association for ancestral mammalian hantaviruses. <i>Infection, Genetics and Evolution</i> , 2016, 41, 113-119.	2.3	36
21	Infection of human airway epithelial cells by different subtypes of Dobrava-Belgrade virus reveals gene expression patterns corresponding to their virulence potential. <i>Virology</i> , 2016, 493, 189-201.	2.4	11
22	Human Infections by Non-Rodent-Associated Hantaviruses in Africa. <i>Journal of Infectious Diseases</i> , 2016, 214, 1507-1511.	4.0	34
23	Sin Nombre hantavirus nucleocapsid protein exhibits a metal-dependent DNA-specific endonucleolytic activity. <i>Virology</i> , 2016, 496, 67-76.	2.4	3
24	Life-Threatening Sochi Virus Infections, Russia. <i>Emerging Infectious Diseases</i> , 2015, 21, 2204-2208.	4.3	19
25	Human seroprevalence indicating hantavirus infections in tropical rainforests of Côte d'Ivoire and Democratic Republic of Congo. <i>Frontiers in Microbiology</i> , 2015, 6, 518.	3.5	15
26	Does proficiency testing improve the quality of hantavirus serodiagnostics? Experiences with INSTAND EQA schemes. <i>International Journal of Medical Microbiology</i> , 2015, 305, 607-611.	3.6	4
27	Hantaviruses—Globally emerging pathogens. <i>Journal of Clinical Virology</i> , 2015, 64, 128-136.	3.1	153
28	Hantavirus-induced disruption of the endothelial barrier: neutrophils are on the payroll. <i>Frontiers in Microbiology</i> , 2015, 6, 222.	3.5	30
29	Hantavirus-induced pathogenesis in mice with a humanized immune system. <i>Journal of General Virology</i> , 2015, 96, 1258-1263.	2.9	20
30	Adler hantavirus, a new genetic variant of Tula virus identified in Major's pine voles ( <i>Microtus majori</i> ) sampled in southern European Russia. <i>Infection, Genetics and Evolution</i> , 2015, 29, 156-163.	2.3	16
31	Hantaviruses in Africa. <i>Virus Research</i> , 2014, 187, 34-42.	2.2	42
32	Helmut Ruska (1908–1973). <i>Advances in Imaging and Electron Physics</i> , 2014, 182, 1-94.	0.2	9
33	Hantavirus Emergence in Rodents, Insectivores and Bats. , 2014, , 235-292.		12
34	$\beta$ 2 integrin mediates hantavirus-induced release of neutrophil extracellular traps. <i>Journal of Experimental Medicine</i> , 2014, 211, 1485-1497.	8.5	159
35	Seroepidemiological study reveals regional co-occurrence of <i>Lassa</i> and <i>Hantaan</i> virus antibodies in <i>Uppera Guinea</i> , <i>West Africa</i> . <i>Tropical Medicine and International Health</i> , 2013, 18, 366-371.	2.3	23
36	Hantaviral mechanisms driving <i>HLA</i> class I antigen presentation require both <i>RIG-I</i> and <i>TRIF</i> . <i>European Journal of Immunology</i> , 2013, 43, 2566-2576.	2.9	13

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37	Complex evolution and epidemiology of Dobrava-Belgrade hantavirus: definition of genotypes and their characteristics. Archives of Virology, 2013, 158, 521-529.	2.1	98
38	Detection of shrew-borne hantavirus in Eurasian pygmy shrew (Sorex minutus) in Central Europe. Infection, Genetics and Evolution, 2013, 19, 403-410.	2.3	43
39	Functional consequences of mutating conserved SF2 helicase motifs in the Type III restriction endonuclease EcoP15I translocase domain. Biochimie, 2013, 95, 817-823.	2.6	4
40	Hantaviruses as Zoonotic Pathogens in Germany. Deutsches A&#x0308;rzteblatt International, 2013, 110, 461-7.	0.9	51
41	Type III restriction endonuclease EcoP15I is a heterotrimeric complex containing one Res subunit with several DNA-binding regions and ATPase activity. Nucleic Acids Research, 2012, 40, 3610-3622.	14.5	25
42	Hantavirus in Bat, Sierra Leone. Emerging Infectious Diseases, 2012, 18, 159-161.	4.3	132
43	Isolation of Sochi Virus From a Fatal Case of Hantavirus Disease With Fulminant Clinical Course. Clinical Infectious Diseases, 2012, 54, e1-e4.	5.8	24
44	Bats host major mammalian paramyxoviruses. Nature Communications, 2012, 3, 796.	12.8	546
45	Recent outbreaks of hantavirus disease in Germany and in the United States. Kidney International, 2012, 82, 1243-1245.	5.2	9
46	Hantavirus infections by Puumala or Dobrava-Belgrade virus in pregnant women. Journal of Clinical Virology, 2012, 55, 266-269.	3.1	16
47	Sangassou Virus, the First Hantavirus Isolate from Africa, Displays Genetic and Functional Properties Distinct from Those of Other Murinae-Associated Hantaviruses. Journal of Virology, 2012, 86, 3819-3827.	3.4	44
48	Multiple Synchronous Outbreaks of Puumala Virus, Germany, 2010. Emerging Infectious Diseases, 2012, 18, 1461-1464.	4.3	62
49	Broad geographical distribution and high genetic diversity of shrew-borne Seewis hantavirus in Central Europe. Virus Genes, 2012, 45, 48-55.	1.6	50
50	Thank you, Gholamreza Darai. Virus Genes, 2012, 44, 165-166.	1.6	0
51	Dobrava-Belgrade Hantavirus from Germany Shows Receptor Usage and Innate Immunity Induction Consistent with the Pathogenicity of the Virus in Humans. PLoS ONE, 2012, 7, e35587.	2.5	32
52	Seroprevalence study in forestry workers of a non-endemic region in eastern Germany reveals infections by Tula and Dobravaâ€“Belgrade hantaviruses. Medical Microbiology and Immunology, 2011, 200, 263-268.	4.8	58
53	RNA helicase retinoic acid-inducible gene I as a sensor of Hantaan virus replication. Journal of General Virology, 2011, 92, 2191-2200.	2.9	38
54	Human pathogenic hantaviruses and prevention of infection. Hum Vaccin, 2011, 7, 685-693.	2.4	144

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55	Genetic reassortment between high-virulent and low-virulent Dobrava-Belgrade virus strains. <i>Virus Genes</i> , 2010, 41, 319-328.	1.6	26
56	Switch to high-level virus replication and HLA class I upregulation in differentiating megakaryocytic cells after infection with pathogenic hantavirus. <i>Virology</i> , 2010, 405, 70-80.	2.4	36
57	Serological Evidence of Human Hantavirus Infections in Guinea, West Africa. <i>Journal of Infectious Diseases</i> , 2010, 201, 1031-1034.	4.0	57
58	Generation and characterization of genetic reassortants between Puumala and Prospect Hill hantavirus in vitro. <i>Journal of General Virology</i> , 2010, 91, 2351-2359.	2.9	20
59	Dobrava-Belgrade Virus Spillover Infections, Germany. <i>Emerging Infectious Diseases</i> , 2009, 15, 2017-2020.	4.3	46
60	Molecular Diagnostics of Hemorrhagic Fever with Renal Syndrome during a Dobrava Virus Infection Outbreak in the European Part of Russia. <i>Journal of Clinical Microbiology</i> , 2009, 47, 4029-4036.	3.9	36
61	A proposal for new criteria for the classification of hantaviruses, based on S and M segment protein sequences. <i>Infection, Genetics and Evolution</i> , 2009, 9, 813-820.	2.3	71
62	Nephropathia epidemica with a 6-week incubation period after occupational exposure to Puumala hantavirus. <i>Journal of Clinical Virology</i> , 2009, 44, 99-101.	3.1	24
63	Functional Characterization and Modulation of the DNA Cleavage Efficiency of Type III Restriction Endonuclease EcoP15I in Its Interaction with Two Sites in the DNA Target. <i>Journal of Molecular Biology</i> , 2009, 387, 1309-1319.	4.2	21
64	Hantaan Virus Triggers TLR3-Dependent Innate Immune Responses. <i>Journal of Immunology</i> , 2009, 182, 2849-2858.	0.8	59
65	Hemorrhagic Fever with Renal Syndrome Caused by 2 Lineages of Dobrava Hantavirus, Russia <sup>1</sup> . <i>Emerging Infectious Diseases</i> , 2008, 14, 617-625.	4.3	99
66	Hantavirus Outbreak, Germany, 2007. <i>Emerging Infectious Diseases</i> , 2008, 14, 850-852.	4.3	53
67	Detection and Typing of Human Pathogenic Hantaviruses by Real-Time Reverse Transcription-PCR and Pyrosequencing. <i>Clinical Chemistry</i> , 2007, 53, 1899-1905.	3.2	87
68	Hantavirus Disease Outbreak in Germany: Limitations of Routine Serological Diagnostics and Clustering of Virus Sequences of Human and Rodent Origin. <i>Journal of Clinical Microbiology</i> , 2007, 45, 3008-3014.	3.9	54
69	MxA-independent inhibition of Hantaan virus replication induced by type I and type II interferon in vitro. <i>Virus Research</i> , 2007, 127, 100-105.	2.2	16
70	Structural Domains in the Type III Restriction Endonuclease EcoP15I: Characterization by Limited Proteolysis, Mass Spectrometry and Insertional Mutagenesis. <i>Journal of Molecular Biology</i> , 2007, 366, 93-102.	4.2	11
71	Novel Hantavirus Sequences in Shrew, Guinea. <i>Emerging Infectious Diseases</i> , 2007, 13, 520-522.	4.3	140
72	Hantavirus in African Wood Mouse, Guinea. <i>Emerging Infectious Diseases</i> , 2006, 12, 838-840.	4.3	266

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73	A novel method for cloning of non-cytolytic viruses. <i>Journal of Virological Methods</i> , 2006, 135, 26-31.	2.1	14
74	Development of Novel Immunoglobulin G (IgG), IgA, and IgM Enzyme Immunoassays Based on Recombinant Puumala and Dobrava Hantavirus Nucleocapsid Proteins. <i>Vaccine Journal</i> , 2006, 13, 1349-1357.	3.1	50
75	Serological Assays for the Detection of Human Andes Hantavirus Infections Based on Its Yeast-Expressed Nucleocapsid Protein. <i>Intervirology</i> , 2006, 49, 173-184.	2.8	21
76	GEOGRAPHICAL DISTRIBUTION OF HANTAVIRUSES IN THAILAND AND POTENTIAL HUMAN HEALTH SIGNIFICANCE OF THAILAND VIRUS. <i>American Journal of Tropical Medicine and Hygiene</i> , 2006, 75, 994-1002.	1.4	60
77	Nucleocapsid protein of cell culture-adapted Seoul virus strain 80â€“39: Analysis of its encoding sequence, expression in yeast and immuno-reactivity. <i>Virus Genes</i> , 2005, 30, 37-48.	1.6	26
78	Reliable detection of DNA cytosine methylation at CpNpG sites using the engineered restriction enzyme EcoRII-C. <i>BioTechniques</i> , 2005, 38, 855-856.	1.8	3
79	Inactivation of Hantaan Virus-Containing Samples for Subsequent Investigations outside Biosafety Level 3 Facilities. <i>Intervirology</i> , 2005, 48, 255-261.	2.8	45
80	Central European Dobrava Hantavirus Isolate from a Striped Field Mouse ( <i>Apodemus agrarius</i> ). <i>Journal of Clinical Microbiology</i> , 2005, 43, 2756-2763.	3.9	59
81	Development and evaluation of serological assays for detection of human hantavirus infections caused by Sin Nombre virus. <i>Journal of Clinical Virology</i> , 2005, 33, 247-253.	3.1	24
82	A hantavirus nucleocapsid protein segment exposed on hepatitis B virus core particles is highly immunogenic in mice when applied without adjuvants or in the presence of pre-existing anti-core antibodies. <i>Vaccine</i> , 2005, 23, 3973-3983.	3.8	44
83	Thrombocytopenia and Acute Renal Failure in Puumala Hantavirus Infections. <i>Emerging Infectious Diseases</i> , 2004, 10, 1420-1425.	4.3	71
84	Differential Antiviral Response of Endothelial Cells after Infection with Pathogenic and Nonpathogenic Hantaviruses. <i>Journal of Virology</i> , 2004, 78, 6143-6150.	3.4	93
85	First Molecular Identification of Human Dobrava Virus Infection in Central Europe. <i>Journal of Clinical Microbiology</i> , 2004, 42, 1322-1325.	3.9	46
86	An amino-terminal segment of hantavirus nucleocapsid protein presented on hepatitis B virus core particles induces a strong and highly cross-reactive antibody response in mice. <i>Virology</i> , 2004, 323, 108-119.	2.4	46
87	Crystal Structure of Type IIE Restriction Endonuclease EcoRII Reveals an Autoinhibition Mechanism by a Novel Effector-binding Fold. <i>Journal of Molecular Biology</i> , 2004, 335, 307-319.	4.2	63
88	Scanning Force Microscopy of DNA Translocation by the Type III Restriction Enzyme EcoP15I. <i>Journal of Molecular Biology</i> , 2004, 341, 337-343.	4.2	25
89	High yields of stable and highly pure nucleocapsid proteins of different hantaviruses can be generated in the yeast <i>Saccharomyces cerevisiae</i> . <i>Journal of Biotechnology</i> , 2004, 111, 319-333.	3.8	62
90	A nomenclature for restriction enzymes, DNA methyltransferases, homing endonucleases and their genes. <i>Nucleic Acids Research</i> , 2003, 31, 1805-1812.	14.5	634

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91	Gene expression analysis of plant host-pathogen interactions by SuperSAGE. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 15718-15723.	7.1	273
92	Diversity of Type II restriction endonucleases that require two DNA recognition sites. Nucleic Acids Research, 2003, 31, 6079-6084.	14.5	50
93	Occurrence of Renal and Pulmonary Syndrome in a Region of Northeast Germany Where Tula Hantavirus Circulates. Journal of Clinical Microbiology, 2003, 41, 4894-4897.	3.9	94
94	Genetic Interaction between Distinct Dobrava Hantavirus Subtypes in <i>Apodemus agrarius</i> and <i>A. flavicollis</i> in Nature. Journal of Virology, 2003, 77, 804-809.	3.4	74
95	Proteasome Inhibitors: A Novel Tool to Suppress Human Cytomegalovirus Replication and Virus-Induced Immune Modulation. Antiviral Therapy, 2003, 8, 555-567.	1.0	38
96	Counting CAG repeats in the Huntington's disease gene by restriction endonuclease EcoP15I cleavage. Nucleic Acids Research, 2002, 30, 83e-83.	14.5	38
97	Hantavirus Infection of Dendritic Cells. Journal of Virology, 2002, 76, 10724-10733.	3.4	112
98	Emerging Viruses: The Case of Hantavirus. Intervirology, 2002, 45, 318-327.	2.8	40
99	Stop Codon Insertion Restores the Particle Formation Ability of Hepatitis B Virus Core-Hantavirus Nucleocapsid Protein Fusions. Intervirology, 2002, 45, 340-349.	2.8	11
100	Yeast-expressed Puumala hantavirus nucleocapsid protein induces protection in a bank vole model. Vaccine, 2002, 20, 3523-3531.	3.8	61
101	EcoRII: a restriction enzyme evolving recombination functions?. EMBO Journal, 2002, 21, 5262-5268.	7.8	42
102	DNA cleavage by type III restriction-modification enzyme Eco P15I is independent of spacer distance between two head to head oriented recognition sites. In memory of Dieter Cech (1944-1996), Professor of bioorganic chemistry at the Humboldt University, Berlin. Edited by J. Karn. Journal of Molecular Biology, 2001, 312, 687-698.	4.2	43
103	Hantavirus infections in Europe. Advances in Virus Research, 2001, 57, 105-136.	2.1	49
104	infections and their prevention. Microbes and Infection, 2001, 3, 1129-1144.	1.9	180
105	A chemiluminescence detection method of hantaviral antigens in neutralisation assays and inhibitor studies. Journal of Virological Methods, 2001, 96, 17-23.	2.1	53
106	Puumala (PUU) Hantavirus Strain Differences and Insertion Positions in the Hepatitis B Virus Core Antigen Influence B-cell Immunogenicity and Protective Potential of Core-Derived Particles. Virology, 2000, 276, 364-375.	2.4	40
107	Interaction of wild-type and naturally occurring deleted variants of hepatitis B virus core polypeptides leads to formation of mosaic particles. FEBS Letters, 2000, 478, 127-132.	2.8	12
108	Chimaeric HBV core particles carrying a defined segment of Puumala hantavirus nucleocapsid protein evoke protective immunity in an animal model. Vaccine, 1998, 16, 272-280.	3.8	51

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109	Core Particles of Hepatitis B Virus as Carrier for Foreign Epitopes. <i>Advances in Virus Research</i> , 1998, 50, 141-182.	2.1	129
110	Monitoring of patients for cytomegalovirus after organ transplantation by centrifugation culture and PCR. <i>Journal of Medical Virology</i> , 1992, 38, 246-251.	5.0	31
111	Mapping mutations in influenza A virus resistant to neuraminidase. <i>FEBS Letters</i> , 1990, 267, 19-21.	2.8	9
112	Oligonucleotide duplexes containing CC(A/T)GG stimulate cleavage of refractory DNA by restriction endonuclease EcoRII. <i>FEBS Letters</i> , 1989, 245, 141-144.	2.8	31
113	DNA methylation of bacterial viruses T3 and T7 by different DNA methylases in <i>Escherichia coli</i> K12 cells. <i>FEBS Journal</i> , 1985, 150, 323-330.	0.2	34
114	The <i>cr</i> Gene Function of Bacteriophages T3 and T7 Counteracts the <i>Salmonella typhimurium</i> DNA Restriction Systems SA and SB. <i>Journal of Virology</i> , 1983, 45, 1147-1149.	3.4	22
115	Abortive Infection of F-Plasmid-Containing <i>Escherichia coli</i> Cells by Bacterial Virus T7 Is Determined by the Right End of T7 Gene 1. <i>Journal of Virology</i> , 1983, 46, 293-296.	3.4	6
116	Influence of phage T3 and T7 gene functions on a type III (EcoP1) DNA restriction-modification system in vivo. <i>Molecular Genetics and Genomics</i> , 1982, 185, 457-461.	2.4	15
117	SuperSAGE: The Most Advanced Transcriptome Technology for Functional Genomics. , 0, , 37-54.		4