

Albert Heim

List of Publications by Year in descending order

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91
papers

4,053
citations

126907

33
h-index

128289

60
g-index

94
all docs

94
docs citations

94
times ranked

4951
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid and quantitative detection of human adenovirus DNA by real-time PCR. <i>Journal of Medical Virology</i> , 2003, 70, 228-239.	5.0	700
2	Measurable residual disease monitoring by NGS before allogeneic hematopoietic cell transplantation in AML. <i>Blood</i> , 2018, 132, 1703-1713.	1.4	237
3	Evidence of Molecular Evolution Driven by Recombination Events Influencing Tropism in a Novel Human Adenovirus that Causes Epidemic Keratoconjunctivitis. <i>PLoS ONE</i> , 2009, 4, e5635.	2.5	201
4	Phylogenetic Analysis of the Main Neutralization and Hemagglutination Determinants of All Human Adenovirus Prototypes as a Basis for Molecular Classification and Taxonomy. <i>Journal of Virology</i> , 2005, 79, 15265-15276.	3.4	146
5	Evolution of Poliovirus Type I during 5.5 Years of Prolonged Enteral Replication in an Immunodeficient Patient. <i>Virology</i> , 1999, 265, 178-184.	2.4	117
6	Tracking the international spread of SARS-CoV-2 lineages B.1.1.7 and B.1.351/501Y-V2. <i>Wellcome Open Research</i> , 2021, 6, 121.	1.8	115
7	Molecular Evolution of Human Adenovirus (HAdV) Species C. <i>Scientific Reports</i> , 2019, 9, 1039.	3.3	101
8	Monitoring of Adenovirus Infection in Pediatric Transplant Recipients by Quantitative PCR: Report of Six Cases and Review of the Literature. <i>American Journal of Transplantation</i> , 2004, 4, 2102-2108.	4.7	94
9	Rapid routine detection of enterovirus RNA in cerebrospinal fluid by a one-step real-time RT-PCR assay. <i>Journal of Clinical Virology</i> , 2008, 42, 58-64.	3.1	91
10	Characterization of Human Cytomegalovirus Genome Diversity in Immunocompromised Hosts by Whole-Genome Sequencing Directly From Clinical Specimens. <i>Journal of Infectious Diseases</i> , 2017, 215, 1673-1683.	4.0	88
11	Patient, Virus, and Treatment-Related Risk Factors in Pediatric Adenovirus Infection after Stem Cell Transplantation: Results of a Routine Monitoring Program. <i>Biology of Blood and Marrow Transplantation</i> , 2014, 20, 250-256.	2.0	80
12	Human mastadenovirus type 70: a novel, multiple recombinant species D mastadenovirus isolated from diarrhoeal faeces of a haematopoietic stem cell transplantation recipient. <i>Journal of General Virology</i> , 2015, 96, 2734-2742.	2.9	74
13	Molecular identification of adenovirus sequences: A rapid scheme for early typing of human adenoviruses in diagnostic samples of immunocompetent and immunodeficient patients. <i>Journal of Medical Virology</i> , 2006, 78, 1210-1217.	5.0	67
14	Viral Origin, Clinical Course, and Renal Outcomes in Patients With BK Virus Infection After Living-Donor Renal Transplantation. <i>Transplantation</i> , 2016, 100, 844-853.	1.0	66
15	Myocardial enterovirus infection with left ventricular dysfunction: A benign disease compared with idiopathic dilated cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 1995, 25, 1170-1175.	2.8	63
16	Posttransplantation MRD monitoring in patients with AML by next-generation sequencing using DTA and non-DTA mutations. <i>Blood Advances</i> , 2021, 5, 2294-2304.	5.2	60
17	Synergistic Interaction of Interferon- α and Interferon- β in Coxsackievirus B3-Infected Carrier Cultures of Human Myocardial Fibroblasts. <i>Journal of Infectious Diseases</i> , 1992, 166, 958-965.	4.0	59
18	Rapid random access detection of the novel SARS-coronavirus-2 (SARS-CoV-2, previously 2019-nCoV) using an open access protocol for the Panther Fusion. <i>Journal of Clinical Virology</i> , 2020, 125, 104305.	3.1	59

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19	Donor origin of BKV replication after kidney transplantation. <i>Journal of Clinical Virology</i> , 2014, 59, 120-125.	3.1	55
20	Comparison of the performance of direct fluorescent antibody staining, a point-of-care rapid antigen test and virus isolation with that of RT-PCR for the detection of novel 2009 influenza A (H1N1) virus in respiratory specimens. <i>Journal of Medical Microbiology</i> , 2010, 59, 713-717.	1.8	53
21	An Outbreak of Epidemic Keratoconjunctivitis Caused by a New Intermediate Adenovirus 22/H8 Identified by Molecular Typing. <i>Clinical Infectious Diseases</i> , 2006, 43, e64-e66.	5.8	52
22	An Adenovirus Type F41 Outbreak in a Pediatric Bone Marrow Transplant Unit. <i>Pediatric Infectious Disease Journal</i> , 2008, 27, 419-424.	2.0	51
23	Low level myocardial parvovirus B19 persistence is a frequent finding in patients with heart disease but unrelated to ongoing myocardial injury. <i>Journal of Medical Virology</i> , 2010, 82, 1449-1457.	5.0	51
24	High lethality of human adenovirus disease in adult allogeneic stem cell transplant recipients with high adenoviral blood load. <i>Journal of Clinical Virology</i> , 2011, 52, 55-59.	3.1	51
25	Phylogenetic Analysis and Structural Predictions of Human Adenovirus Penton Proteins as a Basis for Tissue-Specific Adenovirus Vector Design. <i>Journal of Virology</i> , 2007, 81, 8270-8281.	3.4	50
26	From poliovirus surveillance to enterovirus surveillance: a complete picture?. <i>Journal of Medical Microbiology</i> , 2005, 54, 1-2.	1.8	48
27	Evaluation of serological screening of cadaveric sera for donor selection for cornea transplantation. , 1999, 58, 291-295.		45
28	Factors Influencing Viral Clearing and Renal Function During Polyomavirus BK-Associated Nephropathy After Renal Transplantation. <i>Transplantation</i> , 2012, 94, 396-402.	1.0	42
29	Highly sensitive detection of gene expression of an intronless gene: amplification of mRNA, but not genomic DNA by nucleic acid sequence based amplification (NASBA). <i>Nucleic Acids Research</i> , 1998, 26, 2250-2251.	14.5	41
30	Genomic analysis of a large set of currently and historically important human adenovirus pathogens. <i>Emerging Microbes and Infections</i> , 2018, 7, 1-22.	6.5	39
31	Coxsackievirus Genome in Myocardium of Patients with Arrhythmogenic Right Ventricular Dysplasia/Cardiomyopathy. <i>Cardiology</i> , 1998, 89, 241-245.	1.4	37
32	Enterovirus-induced myocarditis: Hemodynamic deterioration with immunosuppressive therapy and successful application of interferon- α . <i>Clinical Cardiology</i> , 1994, 17, 563-565.	1.8	36
33	Adenovirus infection and treatment with cidofovir in children after liver transplantation. <i>Pediatric Transplantation</i> , 2009, 13, 421-428.	1.0	35
34	Quantification of cytomegalovirus DNA levels in intestinal biopsies as a diagnostic tool for CMV intestinal disease. <i>Journal of Clinical Virology</i> , 2009, 46, 254-258.	3.1	35
35	High intrahepatic HHV-6 virus loads but neither CMV nor EBV are associated with decreased graft survival after diagnosis of graft hepatitis. <i>Journal of Hepatology</i> , 2012, 56, 1063-1069.	3.7	35
36	Delayed Seroconversion and Rapid Onset of Lymphoproliferative Disease After Transmission of Human T-Cell Lymphotropic Virus Type 1 From a Multiorgan Donor. <i>Clinical Infectious Diseases</i> , 2013, 57, 1417-1424.	5.8	34

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37	Cultured human myocardial fibroblasts of pediatric origin: Natural human interferon- β is more effective than recombinant interferon- β 2a in carrier-state coxsackievirus B3 replication. <i>Journal of Molecular and Cellular Cardiology</i> , 1995, 27, 2199-2208.	1.9	33
38	A human adenovirus species B subtype 21a associated with severe pneumonia. <i>Journal of Infection</i> , 2014, 69, 490-499.	3.3	33
39	The Zinc Finger Antiviral Protein ZAP Restricts Human Cytomegalovirus and Selectively Binds and Destabilizes Viral β UL4 / β UL5 Transcripts. <i>MBio</i> , 2021, 12, .	4.1	33
40	Recombinant Interferons β 2 and β 3 Have a Higher Antiviral Activity than Interferon- β in Coxsackievirus B3-Infected Carrier State Cultures of Human Myocardial Fibroblasts. <i>Journal of Interferon and Cytokine Research</i> , 1996, 16, 283-287.	1.2	31
41	A Zoonotic Adenoviral Human Pathogen Emerged through Genomic Recombination among Human and Nonhuman Simian Hosts. <i>Journal of Virology</i> , 2019, 93, .	3.4	31
42	Inhibition of coxsackievirus B3 carrier state infection of cultured human myocardial fibroblasts by ribavirin and human natural interferon- β . <i>Antiviral Research</i> , 1997, 34, 101-111.	4.1	29
43	Acute Adenoviral Infection of a Graft by Serotype 35 Following Renal Transplantation. <i>Pathology Research and Practice</i> , 2003, 199, 565-570.	2.3	29
44	Detection of cytomegalovirus (CMV) by real-time PCR in fecal samples for the non-invasive diagnosis of CMV intestinal disease. <i>Journal of Clinical Virology</i> , 2014, 61, 517-522.	3.1	29
45	Activation of the Jak-Stat Pathway in Cells That Exhibit Selective Sensitivity to the Antiviral Effects of IFN-beta Compared with IFN-alpha. <i>Journal of Interferon and Cytokine Research</i> , 1999, 19, 797-801.	1.2	28
46	Adenoviral load diagnostics by quantitative polymerase chain reaction: techniques and application. <i>Reviews in Medical Virology</i> , 2012, 22, 194-208.	8.3	26
47	Quantitative temporal and spatial distribution of adenovirus type 2 correlates with disease manifestations and organ failure during disseminated infection. <i>Journal of Medical Virology</i> , 2008, 80, 294-297.	5.0	25
48	Combination of soluble coxsackievirus-adenovirus receptor and anti-coxsackievirus siRNAs exerts synergistic antiviral activity against coxsackievirus B3. <i>Antiviral Research</i> , 2009, 83, 298-306.	4.1	24
49	Development and evaluation of a nucleic acid sequence based amplification (NASBA) protocol for the detection of enterovirus RNA in cerebrospinal fluid samples. <i>Journal of Virological Methods</i> , 2002, 103, 101-107.	2.1	23
50	Significance of coronary angiography, left heart catheterization, and endomyocardial biopsy for the diagnosis of idiopathic dilated cardiomyopathy. <i>American Heart Journal</i> , 1992, 124, 1251-1257.	2.7	21
51	Cerebrospinal fluid features in adults with enteroviral nervous system infection. <i>International Journal of Infectious Diseases</i> , 2018, 68, 94-101.	3.3	21
52	Enterovirus heart disease of adults: A persistent, limited organ infection in the presence of neutralizing antibodies. , 1997, 53, 196-204.		20
53	Severe acute respiratory distress syndrome (ARDS) induced by human adenovirus B21: Report on 2 cases and literature review. <i>Journal of Critical Care</i> , 2019, 51, 99-104.	2.2	20
54	Three novel, multiple recombinant types of species of human mastadenovirus D (HAdV-D 73, 74 & 75) isolated from diarrhoeal faeces of immunocompromised patients. <i>Journal of General Virology</i> , 2017, 98, 3037-3045.	2.9	20

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55	Radioimmunoimaging of subacute infective endocarditis using a technetium-99m monoclonal granulocyte-specific antibody. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 1991, 18, 977-80.	2.1	19
56	Reliable quantification of plasma HDV RNA is of paramount importance for treatment monitoring: A European multicenter study. <i>Journal of Clinical Virology</i> , 2021, 142, 104932.	3.1	19
57	Unique sequence features of the Human Adenovirus 31 complete genomic sequence are conserved in clinical isolates. <i>BMC Genomics</i> , 2009, 10, 557.	2.8	18
58	Discovery of immunodominant T-cell epitopes reveals penton protein as a second immunodominant target in human adenovirus infection. <i>Journal of Translational Medicine</i> , 2016, 14, 286.	4.4	18
59	Subacute Allograft Failure With Dysuria and Hematuria in a Kidney Transplant Recipient. <i>American Journal of Kidney Diseases</i> , 2009, 54, 154-158.	1.9	17
60	Advances in the management of disseminated adenovirus disease in stem cell transplant recipients: impact of adenovirus load (DNAemia) testing. <i>Expert Review of Anti-Infective Therapy</i> , 2011, 9, 943-945.	4.4	17
61	Whole-Genome Approach to Assessing Human Cytomegalovirus Dynamics in Transplant Patients Undergoing Antiviral Therapy. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 267.	3.9	17
62	Risk of transfusion-transmitted hepatitis E virus infection from pool-tested platelets and plasma. <i>Journal of Hepatology</i> , 2022, 76, 46-52.	3.7	17
63	A rapid quantitative PCR-based assay for testing antiviral agents against human adenoviruses demonstrates type specific differences in ribavirin activity. <i>Antiviral Research</i> , 2006, 72, 34-41.	4.1	16
64	Effective Apical Infection of Differentiated Human Bronchial Epithelial Cells and Induction of Proinflammatory Chemokines by the Highly Pneumotropic Human Adenovirus Type 14p1. <i>PLoS ONE</i> , 2015, 10, e0131201.	2.5	16
65	Quantitative multiplex real-time PCR for the sensitive detection of interferon β gene induction and viral suppression of interferon β expression. <i>Cytokine</i> , 2003, 24, 190-200.	3.2	15
66	Molecular phylogeny of a novel human adenovirus type 8 strain causing a prolonged, multi-state keratoconjunctivitis epidemic in Germany. <i>Scientific Reports</i> , 2017, 7, 40680.	3.3	15
67	Antiviral Activity of Cidofovir and Ribavirin against the New Human Adenovirus Subtype 14a That Is Associated with Severe Pneumonia. <i>Clinical Infectious Diseases</i> , 2008, 47, 731-732.	5.8	14
68	Massive Perivillous Fibrin Deposition of an Enterovirus A-Infected Placenta Associated With Stillbirth: A Case Report. <i>Pediatric and Developmental Pathology</i> , 2019, 22, 142-145.	1.0	14
69	Type dependent patterns of human adenovirus persistence in human T lymphocyte cell lines. <i>Journal of Medical Virology</i> , 2014, 86, 785-794.	5.0	13
70	Antiviral activity of WIN 54954 in coxsackievirus B2 carrier state infected human myocardial fibroblasts. <i>Antiviral Research</i> , 1998, 37, 47-56.	4.1	12
71	Induction of a broad spectrum of inflammation-related genes by Coxsackievirus B3 requires Interleukin-1 signaling. <i>Medical Microbiology and Immunology</i> , 2013, 202, 11-23.	4.8	12
72	Fully automated detection and differentiation of pandemic and endemic coronaviruses (NL63, 229E,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 4438-4445.	5.0	12

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73	Detection of Enterovirus RNA in the Myocardium of a Patient with Arrhythmogenic Right Ventricular Cardiomyopathy by In Situ Hybridization. <i>Clinical Infectious Diseases</i> , 1997, 25, 1471-1472.	5.8	11
74	Severe Adenovirus Pneumonia Followed by Bacterial Septicaemia: Relevance of Co-Infections in Allogeneic Hematopoietic Stem Cell Transplantation. <i>Infectious Disorders - Drug Targets</i> , 2016, 16, 69-76.	0.8	10
75	Comparison of the performance of the Panther Fusion respiratory virus panel to R-Gene and laboratory developed tests for diagnostic and hygiene screening specimens from the upper and lower respiratory tract. <i>Journal of Medical Microbiology</i> , 2020, 69, 427-435.	1.8	9
76	Porcine corneal cell culture models for studying epidemic keratoconjunctivitis. <i>Molecular Vision</i> , 2013, 19, 614-22.	1.1	8
77	Interferons in enteroviral heart disease: modulation of cytokine expression and antiviral activity. <i>Medical Microbiology and Immunology</i> , 2004, 193, 149-154.	4.8	7
78	Influenza and respiratory syncytial virus screening for the detection of asymptotically infected patients in hematology and oncology. <i>GMS Hygiene and Infection Control</i> , 2018, 13, Doc08.	0.3	7
79	Fulminant Adenoviral-Induced Hepatitis in Immunosuppressed Patients. <i>Viruses</i> , 2022, 14, 1459.	3.3	6
80	Transfer of Hexon- and Penton-specific adenovirus-specific T cells for refractory adenovirus infection after haploidentical stem cell transplantation. <i>Transplant Infectious Disease</i> , 2020, 22, e13201.	1.7	5
81	Broad-spectrum antiviral activity of the deubiquitinase inhibitor HBX against human adenoviruses. <i>Antiviral Therapy</i> , 2018, 23, 475-483.	1.0	4
82	A Rolling Circle Amplification Screen for Polyomaviruses Other than BKPyV in Renal Transplant Recipients Confirms High Prevalence of Urinary JCPyV Shedding. <i>Intervirolgy</i> , 2015, 58, 88-94.	2.8	3
83	An Improved One-Step Real-Time Reverse Transcription-PCR Assay for Detection of Norovirus. <i>Journal of Clinical Microbiology</i> , 2016, 54, 497-499.	3.9	3
84	Target capture sequencing reveals a monoclonal outbreak of respiratory syncytial virus B infections among adult hematologic patients. <i>Antimicrobial Resistance and Infection Control</i> , 2022, 11, .	4.1	3
85	Maintenance Immunosuppression Is Associated With Better Outcome in the 2017/2018 Influenza Epidemic. <i>Open Forum Infectious Diseases</i> , 2019, 6, ofz381.	0.9	2
86	Post Transplantation Measurable Residual Disease (MRD) Monitoring Using Next-Generation Sequencing Is Highly Predictive for Relapse after Allogeneic Stem Cell Transplantation. <i>Blood</i> , 2019, 134, 184-184.	1.4	2
87	Management of Adenovirus Infections (Adenoviridae)., 2021, , 197-205.		1
88	Epidemic keratoconjunctivitis: efficacy of outbreak management. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2022, 260, 173-180.	1.9	1
89	Linking digital surveillance and in-depth virology to study clinical patterns of viral respiratory infections in vulnerable patient populations. <i>IScience</i> , 2022, 25, 104276.	4.1	1
90	The probe target mutation G18913A of adenovirus type 5 is not associated with underquantification in a generic adenovirus real-time PCR. <i>Diagnostic Microbiology and Infectious Disease</i> , 2018, 90, 71-72.	1.8	0

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91	Virus-Associated Hemophagocytic Syndrome Contributes to Fatal Outcome In Critical Ill Patients with 2009 Influenza A (H1N1) Infection.. Blood, 2010, 116, 3795-3795.	1.4	0