

Adam Grundhoff

List of Publications by Year in descending order

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86
papers

4,992
citations

126907

33
h-index

98798

67
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91
all docs

91
docs citations

91
times ranked

7433
citing authors

#	ARTICLE	IF	CITATIONS
1	A combined computational and microarray-based approach identifies novel microRNAs encoded by human gamma-herpesviruses. <i>Rna</i> , 2006, 12, 733-750.	3.5	396
2	Virus-encoded microRNAs. <i>Virology</i> , 2011, 411, 325-343.	2.4	363
3	Inefficient establishment of KSHV latency suggests an additional role for continued lytic replication in Kaposi sarcoma pathogenesis. <i>Journal of Clinical Investigation</i> , 2004, 113, 124-136.	8.2	297
4	The landscape of viral associations in human cancers. <i>Nature Genetics</i> , 2020, 52, 320-330.	21.4	261
5	Inefficient establishment of KSHV latency suggests an additional role for continued lytic replication in Kaposi sarcoma pathogenesis. <i>Journal of Clinical Investigation</i> , 2004, 113, 124-136.	8.2	233
6	The Epigenetic Landscape of Latent Kaposi Sarcoma-Associated Herpesvirus Genomes. <i>PLoS Pathogens</i> , 2010, 6, e1000935.	4.7	227
7	Bromodomain Protein BRD4 Is Required for Estrogen Receptor-Dependent Enhancer Activation and Gene Transcription. <i>Cell Reports</i> , 2014, 8, 460-469.	6.4	149
8	The Latency-Associated Nuclear Antigen of Kaposi's Sarcoma-Associated Herpesvirus Permits Replication of Terminal Repeat-Containing Plasmids. <i>Journal of Virology</i> , 2003, 77, 2779-2783.	3.4	141
9	Deep metagenome and metatranscriptome analyses of microbial communities affiliated with an industrial biogas fermenter, a cow rumen, and elephant feces reveal major differences in carbohydrate hydrolysis strategies. <i>Biotechnology for Biofuels</i> , 2016, 9, 121.	6.2	141
10	SARS-CoV-2 outbreak investigation in a German meat processing plant. <i>EMBO Molecular Medicine</i> , 2020, 12, e13296.	6.9	137
11	KSHV-Initiated Notch Activation Leads to Membrane-Type-1 Matrix Metalloproteinase-Dependent Lymphatic Endothelial-to-Mesenchymal Transition. <i>Cell Host and Microbe</i> , 2011, 10, 577-590.	11.0	123
12	Presence of atypical porcine pestivirus (APPV) genomes in newborn piglets correlates with congenital tremor. <i>Scientific Reports</i> , 2016, 6, 27735.	3.3	113
13	High-Affinity Rb Binding, p53 Inhibition, Subcellular Localization, and Transformation by Wild-Type or Tumor-Derived Shortened Merkel Cell Polyomavirus Large T Antigens. <i>Journal of Virology</i> , 2014, 88, 3144-3160.	3.4	108
14	Directed evolution of a recombinase that excises the provirus of most HIV-1 primary isolates with high specificity. <i>Nature Biotechnology</i> , 2016, 34, 401-409.	17.5	108
15	Persistent KSHV Infection Increases EBV-Associated Tumor Formation In Vivo via Enhanced EBV Lytic Gene Expression. <i>Cell Host and Microbe</i> , 2017, 22, 61-73.e7.	11.0	102
16	Molecular consequences of SARS-CoV-2 liver tropism. <i>Nature Metabolism</i> , 2022, 4, 310-319.	11.9	98
17	Insights into Microalga and Bacteria Interactions of Selected Phycosphere Biofilms Using Metagenomic, Transcriptomic, and Proteomic Approaches. <i>Frontiers in Microbiology</i> , 2017, 8, 1941.	3.5	97
18	Identification of a Novel Hepacivirus in Domestic Cattle from Germany. <i>Journal of Virology</i> , 2015, 89, 7007-7015.	3.4	93

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19	Evaluation of Unbiased Next-Generation Sequencing of RNA (RNA-seq) as a Diagnostic Method in Influenza Virus-Positive Respiratory Samples. <i>Journal of Clinical Microbiology</i> , 2015, 53, 2238-2250.	3.9	89
20	Highly Divergent Hepaciviruses from African Cattle. <i>Journal of Virology</i> , 2015, 89, 5876-5882.	3.4	85
21	Indication of Horizontal DNA Gene Transfer by Extracellular Vesicles. <i>PLoS ONE</i> , 2016, 11, e0163665.	2.5	82
22	A Comparative Metagenome Survey of the Fecal Microbiota of a Breast- and a Plant-Fed Asian Elephant Reveals an Unexpectedly High Diversity of Glycoside Hydrolase Family Enzymes. <i>PLoS ONE</i> , 2014, 9, e106707.	2.5	80
23	First Days in the Life of Naive Human B Lymphocytes Infected with Epstein-Barr Virus. <i>MBio</i> , 2019, 10, .	4.1	78
24	A Comprehensive Analysis of Replicating Merkel Cell Polyomavirus Genomes Delineates the Viral Transcription Program and Suggests a Role for mcv-miR-M1 in Episomal Persistence. <i>PLoS Pathogens</i> , 2015, 11, e1004974.	4.7	64
25	Pregnancy-Related Immune Adaptation Promotes the Emergence of Highly Virulent H1N1 Influenza Virus Strains in Allogeneically Pregnant Mice. <i>Cell Host and Microbe</i> , 2017, 21, 321-333.	11.0	63
26	A microRNA Encoded by Kaposi Sarcoma-Associated Herpesvirus Promotes B-Cell Expansion In Vivo. <i>PLoS ONE</i> , 2012, 7, e49435.	2.5	63
27	Rapid Metagenomic Diagnostics for Suspected Outbreak of Severe Pneumonia. <i>Emerging Infectious Diseases</i> , 2014, 20, 1072-1075.	4.3	61
28	Highly Significant Antiviral Activity of HIV-1 LTR-Specific Tre-Recombinase in Humanized Mice. <i>PLoS Pathogens</i> , 2013, 9, e1003587.	4.7	55
29	Influence of ND10 Components on Epigenetic Determinants of Early KSHV Latency Establishment. <i>PLoS Pathogens</i> , 2014, 10, e1004274.	4.7	53
30	Detection of Merkel cell polyomavirus (MCPyV) in Merkel cell carcinoma cell lines: Cell morphology and growth phenotype do not reflect presence of the virus. <i>International Journal of Cancer</i> , 2010, 126, 2133-2142.	5.1	52
31	Recovery of the first full-length genome sequence of a parapoxvirus directly from a clinical sample. <i>Scientific Reports</i> , 2017, 7, 3734.	3.3	48
32	TDP-43 enhances translation of specific mRNAs linked to neurodegenerative disease. <i>Nucleic Acids Research</i> , 2019, 47, 341-361.	14.5	47
33	RNF40 regulates gene expression in an epigenetic context-dependent manner. <i>Genome Biology</i> , 2017, 18, 32.	8.8	41
34	Merkel cell polyomavirus, a highly prevalent virus with tumorigenic potential. <i>Current Opinion in Virology</i> , 2015, 14, 129-137.	5.4	33
35	Histone Chaperone SSRP1 is Essential for Wnt Signaling Pathway Activity During Osteoblast Differentiation. <i>Stem Cells</i> , 2016, 34, 1369-1376.	3.2	32
36	Repression of Human Papillomavirus Oncogene Expression under Hypoxia Is Mediated by PI3K/mTORC2/AKT Signaling. <i>MBio</i> , 2019, 10, .	4.1	32

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37	Immunosuppressive Yersinia Effector YopM Binds DEAD Box Helicase DDX3 to Control Ribosomal S6 Kinase in the Nucleus of Host Cells. <i>PLoS Pathogens</i> , 2016, 12, e1005660.	4.7	31
38	Merkel Cell Polyomavirus Encodes Circular RNAs (circRNAs) Enabling a Dynamic circRNA/microRNA/mRNA Regulatory Network. <i>MBio</i> , 2020, 11, .	4.1	31
39	Generation of high-titre virus stocks using BrK.219, a B-cell line infected stably with recombinant Kaposi's sarcoma-associated herpesvirus. <i>Journal of Virological Methods</i> , 2015, 217, 79-86.	2.1	29
40	Novel poly-uridine insertion in the 3'UTR and E2 amino acid substitutions in a low virulent classical swine fever virus. <i>Veterinary Microbiology</i> , 2017, 201, 103-112.	1.9	29
41	Identification of virus-encoded microRNAs in divergent Papillomaviruses. <i>PLoS Pathogens</i> , 2018, 14, e1007156.	4.7	27
42	SARS-CoV-2 Reinfection in a Healthcare Worker Despite the Presence of Detectable Neutralizing Antibodies. <i>Viruses</i> , 2021, 13, 661.	3.3	27
43	T-Cell Receptor Diversity and the Control of T-Cell Homeostasis Mark Ebola Virus Disease Survival in Humans. <i>Journal of Infectious Diseases</i> , 2018, 218, S508-S518.	4.0	25
44	Generation of a novel next-generation sequencing-based method for the isolation of new human papillomavirus types. <i>Virology</i> , 2018, 520, 1-10.	2.4	25
45	High-resolution analysis of Merkel Cell Polyomavirus in Merkel Cell Carcinoma reveals distinct integration patterns and suggests NHEJ and MMBIR as underlying mechanisms. <i>PLoS Pathogens</i> , 2020, 16, e1008562.	4.7	24
46	Epigenetic control in Kaposi sarcoma-associated herpesvirus infection and associated disease. <i>Seminars in Immunopathology</i> , 2020, 42, 143-157.	6.1	24
47	NK/ILC1 cells mediate neuroinflammation and brain pathology following congenital CMV infection. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	24
48	A comparative epigenome analysis of gammaherpesviruses suggests cis-acting sequence features as critical mediators of rapid polycomb recruitment. <i>PLoS Pathogens</i> , 2019, 15, e1007838.	4.7	23
49	Complete Genome Sequence of a SARS-CoV-2 Strain Isolated in Northern Germany. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	23
50	BRD4 promotes p63 and GRHL3 expression downstream of FOXO in mammary epithelial cells. <i>Nucleic Acids Research</i> , 2017, 45, gkw1276.	14.5	22
51	EBV renders B cells susceptible to HIV-1 in humanized mice. <i>Life Science Alliance</i> , 2020, 3, e202000640.	2.8	22
52	The acidic protein rich in leucines Anp32b is an immunomodulator of inflammation in mice. <i>Scientific Reports</i> , 2019, 9, 4853.	3.3	18
53	DAMIAN: an open source bioinformatics tool for fast, systematic and cohort based analysis of microorganisms in diagnostic samples. <i>Scientific Reports</i> , 2019, 9, 16841.	3.3	18
54	The Ubiquitin-Specific Protease Usp7, a Novel Merkel Cell Polyomavirus Large T-Antigen Interaction Partner, Modulates Viral DNA Replication. <i>Journal of Virology</i> , 2020, 94, .	3.4	18

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55	Oncogenic Herpesvirus Engages Endothelial Transcription Factors SOX18 and PROX1 to Increase Viral Genome Copies and Virus Production. <i>Cancer Research</i> , 2020, 80, 3116-3129.	0.9	17
56	Complete Genome Sequence of Pig-Tailed Macaque Rhadinovirus 2 and Its Evolutionary Relationship with Rhesus Macaque Rhadinovirus and Human Herpesvirus 8/Kaposi's Sarcoma-Associated Herpesvirus. <i>Journal of Virology</i> , 2015, 89, 3888-3909.	3.4	16
57	First report of <i>Escherichia coli</i> co-producing NDM-1 and OXA-232. <i>Diagnostic Microbiology and Infectious Disease</i> , 2016, 86, 437-438.	1.8	15
58	Merkel Cell Polyomavirus DNA Replication Induces Senescence in Human Dermal Fibroblasts in a Kap1/Trim28-Dependent Manner. <i>MBio</i> , 2020, 11, .	4.1	15
59	Spontaneous lung metastasis formation of human Merkel cell carcinoma cell lines transplanted into scid mice. <i>International Journal of Cancer</i> , 2017, 141, 160-171.	5.1	14
60	SARS Coronavirus-2 variant tracing within the first Coronavirus Disease 19 clusters in northern Germany. <i>Clinical Microbiology and Infection</i> , 2021, 27, 130.e5-130.e8.	6.0	14
61	Kaposi's Sarcoma-Associated Herpesvirus Drives a Super-Enhancer-Mediated Survival Gene Expression Program in Primary Effusion Lymphoma. <i>MBio</i> , 2020, 11, .	4.1	13
62	The chromatin insulator CTCF regulates HPV18 transcript splicing and differentiation-dependent late gene expression. <i>PLoS Pathogens</i> , 2021, 17, e1010032.	4.7	13
63	ANP32B Deficiency Protects Mice From Lethal Influenza A Virus Challenge by Dampening the Host Immune Response. <i>Frontiers in Immunology</i> , 2020, 11, 450.	4.8	12
64	Rapid Automated Screening for SARS-CoV-2 B.1.617 Lineage Variants (Delta/Kappa) through a Versatile Toolset of qPCR-Based SNP Detection. <i>Diagnostics</i> , 2021, 11, 1818.	2.6	12
65	Replication of Merkel cell polyomavirus induces reorganization of promyelocytic leukemia nuclear bodies. <i>Journal of General Virology</i> , 2016, 97, 2926-2938.	2.9	12
66	Cellular Importin- β 3 Expression Dynamics in the Lung Regulate Antiviral Response Pathways against Influenza A Virus Infection. <i>Cell Reports</i> , 2020, 31, 107549.	6.4	11
67	Investigation of Viral and Host Chromatin by ChIP-PCR or ChIP-Seq Analysis. <i>Current Protocols in Microbiology</i> , 2016, 40, 1E.10.1-1E.10.21.	6.5	9
68	Functional Dissection of an Alternatively Spliced Herpesvirus Gene by Splice Site Mutagenesis. <i>Journal of Virology</i> , 2016, 90, 4626-4636.	3.4	9
69	Piscine Orthoreovirus 3 Is Not the Causative Pathogen of Proliferative Darkening Syndrome (PDS) of Brown Trout (<i>Salmo trutta fario</i>). <i>Viruses</i> , 2019, 11, 112.	3.3	9
70	Upregulation of HLA-F expression by BK polyomavirus infection induces immune recognition by KIR3DS1-positive natural killer cells. <i>Kidney International</i> , 2021, 99, 1140-1148.	5.2	9
71	Integration of Sequencing and Epidemiologic Data for Surveillance of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Infections in a Tertiary-Care Hospital. <i>Clinical Infectious Diseases</i> , 2023, 76, e263-e273.	5.8	9
72	A transplant immunome-screening platform defines a targetable epitope fingerprint of multiple myeloma. <i>Blood</i> , 2016, 127, 3202-3214.	1.4	7

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73	Draft Genome Sequence of the Green Alga <i>Scenedesmus acuminatus</i> SAG 38.81. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	5
74	In Vitro Replication Assay for Merkel Cell Polyomavirus (MCPyV). <i>Current Protocols in Microbiology</i> , 2015, 38, 14F.2.1-19.	6.5	5
75	Clinical Evaluation of a Fully-Automated High-Throughput Multiplex Screening-Assay to Detect and Differentiate the SARS-CoV-2 B.1.1.529 (Omicron) and B.1.617.2 (Delta) Lineage Variants. <i>Viruses</i> , 2022, 14, 608.	3.3	5
76	Epigenetic manipulation of host chromatin by Kaposi sarcoma-associated herpesvirus: a tumor-promoting factor?. <i>Current Opinion in Virology</i> , 2017, 26, 104-111.	5.4	4
77	Generation of hiPSC-derived low threshold mechanoreceptors containing axonal termini resembling bulbous sensory nerve endings and expressing Piezo1 and Piezo2. <i>Stem Cell Research</i> , 2021, 56, 102535.	0.7	4
78	Comparing susceptibility and contagiousness in concurrent outbreaks with a non-VOC and the VOC SARS-CoV-2 variant B.1.1.7 in daycare centers in Hamburg, Germany. <i>International Journal of Hygiene and Environmental Health</i> , 2022, 240, 113928.	4.3	4
79	Merkel Cell Carcinoma and Immune Evasion: Merkel Cell Polyomavirus Small T-Antigen-Induced Surface Changes Can Be Reverted by Therapeutic Intervention. <i>Journal of Investigative Dermatology</i> , 2022, 142, 3071-3081.e13.	0.7	4
80	Kaposi's Sarcoma-Associated Herpesvirus Reactivation by Targeting of a dCas9-Based Transcription Activator to the ORF50 Promoter. <i>Viruses</i> , 2020, 12, 952.	3.3	3
81	Transcriptional behavior of the HIV-1 promoter in context of the BACH2 prominent proviral integration gene. <i>Virus Research</i> , 2021, 293, 198260.	2.2	3
82	Dying of VOC-202012/01 "multimodal investigations in a death case of the SARS-CoV-2 variant. <i>International Journal of Legal Medicine</i> , 2022, 136, 193-202.	2.2	3
83	<i>Yersinia</i> remodels epigenetic histone modifications in human macrophages. <i>PLoS Pathogens</i> , 2021, 17, e1010074.	4.7	3
84	Osmotic Stress Interferes with DNA Damage Response and H2AX Phosphorylation in Human Keratinocytes. <i>Cells</i> , 2022, 11, 959.	4.1	3
85	Successful retreatment of a patient with chronic hepatitis C genotype 2k/1b virus with ombitasvir/paritaprevir/ritonavir plus dasabuvir. <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, dkw572.	3.0	1
86	Kaposi's Sarcoma-Associated Herpesvirus Lytic Replication Is Independent of Anaphase-Promoting Complex Activity. <i>Journal of Virology</i> , 2020, 94, .	3.4	1