Benedikt B Kaufer

List of Publications by Year
in descending order

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Version: 2024-02-01

112 papers	3,215 citations	186209 28 h-index	189801 50 g-index
121 all docs	121 docs citations	121 times ranked	2651 citing authors

#	Article	IF	Citations
1	Two-step Red-mediated recombination for versatile high-efficiency markerless DNA manipulation in Escherichia coli. BioTechniques, 2006, 40, 191-197.	0.8	703
2	A Self-Excisable Infectious Bacterial Artificial Chromosome Clone of Varicella-Zoster Virus Allows Analysis of the Essential Tegument Protein Encoded by ORF9. Journal of Virology, 2007, 81, 13200-13208.	1.5	118
3	Herpesvirus telomeric repeats facilitate genomic integration into host telomeres and mobilization of viral DNA during reactivation. Journal of Experimental Medicine, 2011, 208, 605-615.	4.2	97
4	Chromosomally integrated HHV-6: impact on virus, cell and organismal biology. Current Opinion in Virology, 2014, 9, 111-118.	2.6	89
5	A herpesvirus ubiquitin-specific protease is critical for efficient T cell lymphoma formation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20025-20030.	3.3	74
6	Chromosomally integrated human herpesvirus 6 in heart failure: prevalence and treatment. European Journal of Heart Failure, 2015, 17, 9-19.	2.9	70
7	Marek's Disease Viral Interleukin-8 Promotes Lymphoma Formation through Targeted Recruitment of B Cells and CD4 ⁺ CD25 ⁺ T Cells. Journal of Virology, 2012, 86, 8536-8545.	1.5	65
8	Viral Bacterial Artificial Chromosomes: Generation, Mutagenesis, and Removal of Mini-F Sequences. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-14.	3.0	60
9	The carbohydrate recognition domain of Langerin reveals high structural similarity with the one of DC-SIGN but an additional, calcium-independent sugar-binding site. Molecular Immunology, 2008, 45, 1981-1994.	1.0	59
10	Herpesvirus Genome Integration into Telomeric Repeats of Host Cell Chromosomes. Annual Review of Virology, 2014, 1, 215-235.	3.0	59
11	The Telomeric Repeats of Human Herpesvirus 6A (HHV-6A) Are Required for Efficient Virus Integration. PLoS Pathogens, 2016, 12, e1005666.	2.1	58
12	Latest Insights into Mareká€™s Disease Virus Pathogenesis and Tumorigenesis. Cancers, 2020, 12, 647.	1.7	54
13	Polysulfates Block SARSâ€CoVâ€2 Uptake through Electrostatic Interactions**. Angewandte Chemie - International Edition, 2021, 60, 15870-15878.	7.2	49
14	Fluorescently Tagged pUL47 of Marek's Disease Virus Reveals Differential Tissue Expression of the Tegument Protein In Vivo. Journal of Virology, 2012, 86, 2428-2436.	1.5	48
15	In vitro model for lytic replication, latency, and transformation of an oncogenic alphaherpesvirus. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7279-7284.	3.3	44
16	The Prolyl Isomerase Pin1 Promotes the Herpesvirus-Induced Phosphorylation-Dependent Disassembly of the Nuclear Lamina Required for Nucleocytoplasmic Egress. PLoS Pathogens, 2016, 12, e1005825.	2.1	43
17	Association of Mareká€™s Disease induced immunosuppression with activation of a novel regulatory T cells in chickens. PLoS Pathogens, 2017, 13, e1006745.	2.1	43
18	Current understanding of human herpesvirus 6 (HHV-6) chromosomal integration. Antiviral Research, 2020, 176, 104720.	1.9	41

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19	Stabilization of Telomere G-Quadruplexes Interferes with Human Herpesvirus 6A Chromosomal Integration. Journal of Virology, 2017, 91, .	1.5	40
20	In vitro efficacy of Artemisia extracts against SARS-CoV-2. Virology Journal, 2021, 18, 182.	1.4	39
21	Herpesvirus Telomerase RNA (vTR) with a Mutated Template Sequence Abrogates Herpesvirus-Induced Lymphomagenesis. PLoS Pathogens, 2011, 7, e1002333.	2.1	37
22	Herpesvirus Telomerase RNA(vTR)-Dependent Lymphoma Formation Does Not Require Interaction of vTR with Telomerase Reverse Transcriptase (TERT). PLoS Pathogens, 2010, 6, e1001073.	2.1	36
23	Generation of an Avian-Mammalian Rotavirus Reassortant by Using a Helper Virus-Dependent Reverse Genetics System. Journal of Virology, 2016, 90, 1439-1443.	1.5	36
24	The putative U94 integrase is dispensable for human herpesvirus 6 (HHV-6) chromosomal integration. Journal of General Virology, 2016, 97, 1899-1903.	1.3	35
25	Mareká€™s Disease Virus Infection of Natural Killer Cells. Microorganisms, 2019, 7, 588.	1.6	34
26	Unraveling the role of B cells in the pathogenesis of an oncogenic avian herpesvirus. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11603-11607.	3.3	32
27	Comparative Analysis of Roseoloviruses in Humans, Pigs, Mice, and Other Species. Viruses, 2019, 11, 1108.	1.5	32
28	Enzymatically inactive US3 protein kinase of Marek's disease virus (MDV) is capable of depolymerizing F-actin but results in accumulation of virions in perinuclear invaginations and reduced virus growth. Virology, 2008, 375, 37-47.	1.1	31
29	Evolutionary History of Endogenous Human Herpesvirus 6 Reflects Human Migration out of Africa. Molecular Biology and Evolution, 2021, 38, 96-107.	3.5	31
30	Cell Culture Systems To Study Human Herpesvirus 6A/B Chromosomal Integration. Journal of Virology, 2017, 91, .	1.5	30
31	LANA oligomeric architecture is essential for KSHV nuclear body formation and viral genome maintenance during latency. PLoS Pathogens, 2019, 15, e1007489.	2.1	30
32	Role of the Short Telomeric Repeat Region in Marek's Disease Virus Replication, Genomic Integration, and Lymphomagenesis. Journal of Virology, 2014, 88, 14138-14147.	1.5	29
33	The Transcriptional Landscape of Mareká€™s Disease Virus in Primary Chicken B Cells Reveals Novel Splice Variants and Genes. Viruses, 2019, 11, 264.	1.5	29
34	Three-Dimensional Normal Human Neural Progenitor Tissue-Like Assemblies: A Model of Persistent Varicella-Zoster Virus Infection. PLoS Pathogens, 2013, 9, e1003512.	2.1	28
35	Characterization of human herpesvirus 6A/B U94 as ATPase, helicase, exonuclease and DNA-binding proteins. Nucleic Acids Research, 2015, 43, 6084-6098.	6.5	27
36	Artesunate-derived monomeric, dimeric and trimeric experimental drugs â€“ Their unique mechanistic basis and pronounced antiherpesviral activity. Antiviral Research, 2018, 152, 104-110.	1.9	26

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37	In vivo proof-of-concept for two experimental antiviral drugs, both directed to cellular targets, using a murine cytomegalovirus model. Antiviral Research, 2019, 161, 63-69.	1.9	26
38	Detection of Integrated Herpesvirus Genomes by Fluorescence In Situ Hybridization (FISH). Methods in Molecular Biology, 2013, 1064, 141-152.	0.4	26
39	Left-handed DNA-PAINT for improved super-resolution imaging in the nucleus. Nature Biotechnology, 2021, 39, 551-554.	9.4	25
40	Varicella-zoster virusâ€“induced apoptosis in MeWo cells is accompanied by down-regulation of Bcl-2 expression. Journal of NeuroVirology, 2010, 16, 133-140.	1.0	24
41	A Common Live-Attenuated Avian Herpesvirus Vaccine Expresses a Very Potent Oncogene. MSphere, 2019, 4, .	1.3	24
42	Elimination halfâ€life of intravenously administered equine cardiac troponin I in healthy ponies. Equine Veterinary Journal, 2013, 45, 56-59.	0.9	23
43	Replication of Marek's Disease Virus Is Dependent on Synthesis of De Novo Fatty Acid and Prostaglandin E ₂. Journal of Virology, 2019, 93, .	1.5	23
44	Inhibition of SARS-CoV-2 Replication by a Small Interfering RNA Targeting the Leader Sequence. Viruses, 2021, 13, 2030.	1.5	23
45	Development of a PROTAC-Based Targeting Strategy Provides a Mechanistically Unique Mode of Anti-Cytomegalovirus Activity. International Journal of Molecular Sciences, 2021, 22, 12858.	1.8	23
46	Selective inhibition of miRNA processing by a herpesvirus-encoded miRNA. Nature, 2022, 605, 539-544.	13.7	23
47	Chromatin Profiles of Chromosomally Integrated Human Herpesvirus-6A. Frontiers in Microbiology, 2019, 10, 1408.	1.5	22
48	Combinatorial Drug Treatments Reveal Promising Anticytomegaloviral Profiles for Clinically Relevant Pharmaceutical Kinase Inhibitors (PKIs). International Journal of Molecular Sciences, 2021, 22, 575.	1.8	22
49	Cas9-expressing chickens and pigs as resources for genome editing in livestock. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	22
50	The Varicella-Zoster Virus ORF5/L (ORF0) Gene Is Required for Efficient Viral Replication and Contains an Element Involved in DNA Cleavage. Journal of Virology, 2010, 84, 11661-11669.	1.5	20
51	Telomeres and Telomerase: Role in Mareksâ€™s Disease Virus Pathogenesis, Integration and Tumorigenesis. Viruses, 2017, 9, 173.	1.5	20
52	Distinct polymorphisms in a single herpesvirus gene are capable of enhancing virulence and mediating vaccinal resistance. PLoS Pathogens, 2020, 16, e1009104.	2.1	20
53	3D tissue-like assemblies: A novel approach to investigate virusâ€“cell interactions. Methods, 2015, 90, 76-84.	1.9	19
54	Varicella zoster virus glycoprotein C increases chemokine-mediated leukocyte migration. PLoS Pathogens, 2017, 13, e1006346.	2.1	19

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55	Viral Factors Involved in Mareká€™s Disease Virus (MDV) Pathogenesis. Current Clinical Microbiology Reports, 2018, 5, 238-244.	1.8	19
56	Acquiring Resistance Against a Retroviral Infection via CRISPR/Cas9 Targeted Genome Editing in a Commercial Chicken Line. Frontiers in Genome Editing, 2020, 2, 3.	2.7	19
57	Viral Proteins U41 and U70 of Human Herpesvirus 6A Are Dispensable for Telomere Integration. Viruses, 2018, 10, 656.	1.5	18
58	Unbiased optical mapping of telomere-integrated endogenous human herpesvirus 6. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31410-31416.	3.3	18
59	Identification of the Receptor and Cellular Ortholog of the Marek's Disease Virus (MDV) CXC Chemokine. Frontiers in Microbiology, 2017, 8, 2543.	1.5	17
60	Epstein-Barr virus-encoded RNAs (EBERs) complement the loss of Herpesvirus telomerase RNA (vTR) in virus-induced tumor formation. Scientific Reports, 2018, 8, 209.	1.6	17
61	IFNÎ± and IFNÎ³ Impede Mareká€™s Disease Progression. Viruses, 2019, 11, 1103.	1.5	16
62	Overexpression of cellular telomerase RNA enhances virus-induced cancer formation. Oncogene, 2019, 38, 1778-1786.	2.6	16
63	Induction of DNA Damages upon Marek's Disease Virus Infection: Implication in Viral Replication and Pathogenesis. Journal of Virology, 2017, 91, .	1.5	15
64	The Promyelocytic Leukemia Protein facilitates human herpesvirus 6B chromosomal integration, immediate-early 1 protein multiSUMOylation and its localization at telomeres. PLoS Pathogens, 2020, 16, e1008683.	2.1	15
65	Abrogation of Mareká€™s disease virus replication using CRISPR/Cas9. Scientific Reports, 2020, 10, 10919.	1.6	15
66	Analysis of the Herpesvirus Chemokine-binding Glycoprotein G Residues Essential for Chemokine Binding and Biological Activity. Journal of Biological Chemistry, 2009, 284, 5968-5976.	1.6	14
67	Potential Differences in Cleavage of the S Protein and Type 1 Interferon Together Control Human Coronavirus Infection, Propagation, and Neuropathology within the Central Nervous System. Journal of Virology, 2021, 95, .	1.5	14
68	The dominantly expressed class II molecule from a resistant MHC haplotype presents only a few Mareká€™s disease virus peptides by using an unprecedented binding motif. PLoS Biology, 2021, 19, e3001057.	2.6	14
69	Virological and Parasitological Characterization of Mini-LEWE Minipigs Using Improved Screening Methods and an Overview of Data on Various Minipig Breeds. Microorganisms, 2021, 9, 2617.	1.6	13
70	The ND10 Complex Represses Lytic Human Herpesvirus 6A Replication and Promotes Silencing of the Viral Genome. Viruses, 2018, 10, 401.	1.5	12
71	Artesunate derivative TF27 inhibits replication and pathogenesis of an oncogenic avian alphaherpesvirus. Antiviral Research, 2019, 171, 104606.	1.9	12
72	The trimeric artesunate derivative TF27 exerts strong anti-cytomegaloviral efficacy: Focus on prophylactic efficacy and oral treatment of immunocompetent mice. Antiviral Research, 2020, 178, 104788.	1.9	12

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73	Imaging Mass Spectrometry and Proteome Analysis of Mareká€™s Disease Virus-Induced Tumors. MSphere, 2019, 4, .	1.3	11
74	Role for the shelterin protein TRF2 in human herpesvirus 6A/B chromosomal integration. PLoS Pathogens, 2020, 16, e1008496.	2.1	11
75	Mareká€™s Disease Virus Virulence Genes Encode Circular RNAs. Journal of Virology, 2022, 96, e0032122.	1.5	11
76	The Role of Mareká€™s Disease Virus UL12 and UL29 in DNA Recombination and the Virus Lifecycle. Viruses, 2019, 11, 111.	1.5	10
77	Mareká€™s Disease Virus Requires Both Copies of the Inverted Repeat Regions for Efficient In Vivo Replication and Pathogenesis. Journal of Virology, 2021, 95, .	1.5	10
78	A Genetically Engineered Commercial Chicken Line Is Resistant to Highly Pathogenic Avian Leukosis Virus Subgroup J. Microorganisms, 2021, 9, 1066.	1.6	10
79	Mareká€™s disease virus (MDV) ubiquitin-specific protease (USP) performs critical functions beyond its enzymatic activity during virus replication. Virology, 2013, 437, 110-117.	1.1	9
80	Applications of mass spectrometry imaging in virus research. Advances in Virus Research, 2021, 109, 31-62.	0.9	9
81	Varicella-zoster virus early infection but not complete replication is required for the induction of chronic hypersensitivity in rat models of postherpetic neuralgia. PLoS Pathogens, 2021, 17, e1009689.	2.1	8
82	Simian varicella virus open reading frame 63/70 expression is required for efficient virus replication in culture. Journal of NeuroVirology, 2011, 17, 274-280.	1.0	7
83	Varicella zoster virus infection of human fetal lung cells alters mitochondrial morphology. Journal of NeuroVirology, 2016, 22, 674-682.	1.0	7
84	Rare isolation of human-tropic recombinant porcine endogenous retroviruses PERV-A/C from GÃ¶ttingen minipigs. Virology Journal, 2022, 19, 30.	1.4	7
85	Mareká€™s disease virus prolongs survival of primary chicken B-cells by inducing a senescence-like phenotype. PLoS Pathogens, 2021, 17, e1010006.	2.1	6
86	Mareká€™s Disease Virus Modulates T Cell Proliferation via Activation of Cyclooxygenase 2-Dependent Prostaglandin E2. Frontiers in Immunology, 2021, 12, 801781.	2.2	6
87	Attenuation of Simian Varicella Virus Infection by Enhanced Green Fluorescent Protein in Rhesus Macaques. Journal of Virology, 2018, 92, .	1.5	5
88	A Cell Culture System to Investigate Mareká€™s Disease Virus Integration into Host Chromosomes. Microorganisms, 2021, 9, 2489.	1.6	5
89	Effect of Insertion and Deletion in the Meq Protein Encoded by Highly Oncogenic Mareká€™s Disease Virus on Transactivation Activity and Virulence. Viruses, 2022, 14, 382.	1.5	5
90	Virological Characterization of Pigs with Erythema Multiforme. Microorganisms, 2022, 10, 652.	1.6	5

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91	Multiplex Real-Time PCR Assay for the Detection and Differentiation of Poxviruses and Poxvirus Vectors. Applied Biosafety, 2015, 20, 192-200.	0.2	4
92	The Marek's Disease Virus Unique Gene MDV082 Is Dispensable for Virus Replication but Contributes to a Rapid Disease Onset. Journal of Virology, 2021, 95, e0013121.	1.5	3
93	The Diverse Major Histocompatibility Complex Haplotypes of a Common Commercial Chicken Line and Their Effect on Mareкâ€™s Disease Virus Pathogenesis and Tumorigenesis. Frontiers in Immunology, 2022, 13, .	2.2	3
94	Transmission of chromosomally integrated human herpes virus-6A via haploidentical stem cell transplantation poses a risk for virus reactivation and associated complications. Bone Marrow Transplantation, 2020, 55, 260-264.	1.3	2
95	Role of DNA Methylation and CpG Sites in the Viral Telomerase RNA Promoter during Gallid Herpesvirus 2 Pathogenesis. Journal of Virology, 2020, 94, .	1.5	2
96	Higher-Order Chromatin Structures of Chromosomally Integrated HHV-6A Predict Integration Sites. Frontiers in Cellular and Infection Microbiology, 2021, 11, 612656.	1.8	2
97	Characterization of a Novel Viral Interleukin 8 (vIL-8) Splice Variant Encoded by Mareкâ€™s Disease Virus. Microorganisms, 2021, 9, 1475.	1.6	1
98	Visualization of Mareкâ€™s Disease Virus Genomes in Living Cells during Lytic Replication and Latency. Viruses, 2022, 14, 287.	1.5	1
99	BACs (Bacterial Artificial Chromosomes). , 2013, , 251-253.		0
100	Polysulfate hemmen durch elektrostatische Wechselwirkungen die SARSâ€CoVâ€2â€Infektion**. Angewandte Chemie, 2021, 133, 16005-16014.	1.6	0
101	Title is missing!. , 2020, 16, e1009104.		0
102	Title is missing!. , 2020, 16, e1009104.		0
103	Title is missing!. , 2020, 16, e1009104.		0
104	Title is missing!. , 2020, 16, e1009104.		0
105	Title is missing!. , 2020, 16, e1009104.		0
106	Title is missing!. , 2020, 16, e1009104.		0
107	Role for the shelterin protein TRF2 in human herpesvirus 6A/B chromosomal integration. , 2020, 16, e1008496.		0
108	Role for the shelterin protein TRF2 in human herpesvirus 6A/B chromosomal integration. , 2020, 16, e1008496.		0

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109	Role for the shelterin protein TRF2 in human herpesvirus 6A/B chromosomal integration. , 2020, 16, e1008496.		0
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111	Role for the shelterin protein TRF2 in human herpesvirus 6A/B chromosomal integration. , 2020, 16, e1008496.		0
112	Role for the shelterin protein TRF2 in human herpesvirus 6A/B chromosomal integration. , 2020, 16, e1008496.		0