

Christopher B Buck

List of Publications by Year in descending order

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105
papers

12,168
citations

41258

49
h-index

32761

100
g-index

117
all docs

117
docs citations

117
times ranked

10233
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of a Reservoir for HIV-1 in Patients on Highly Active Antiretroviral Therapy. <i>Science</i> , 1997, 278, 1295-1300.	6.0	2,842
2	Merkel Cell Polyomavirus and Two Previously Unknown Polyomaviruses Are Chronically Shed from Human Skin. <i>Cell Host and Microbe</i> , 2010, 7, 509-515.	5.1	502
3	Genital transmission of HPV in a mouse model is potentiated by nonoxynol-9 and inhibited by carrageenan. <i>Nature Medicine</i> , 2007, 13, 857-861.	15.2	466
4	Efficient Intracellular Assembly of Papillomaviral Vectors. <i>Journal of Virology</i> , 2004, 78, 751-757.	1.5	436
5	Carrageenan Is a Potent Inhibitor of Papillomavirus Infection. <i>PLoS Pathogens</i> , 2006, 2, e69.	2.1	401
6	Reactivity of human sera in a sensitive, high-throughput pseudovirus-based papillomavirus neutralization assay for HPV16 and HPV18. <i>Virology</i> , 2004, 321, 205-216.	1.1	325
7	Human Merkel cell polyomavirus infection II. MCV is a common human infection that can be detected by conformational capsid epitope immunoassays. <i>International Journal of Cancer</i> , 2009, 125, 1250-1256.	2.3	297
8	Arrangement of L2 within the Papillomavirus Capsid. <i>Journal of Virology</i> , 2008, 82, 5190-5197.	1.5	276
9	Maturation of Papillomavirus Capsids. <i>Journal of Virology</i> , 2005, 79, 2839-2846.	1.5	259
10	Human α -defensins block papillomavirus infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1516-1521.	3.3	245
11	Molecular Characterization of Preintegration Latency in Human Immunodeficiency Virus Type 1 Infection. <i>Journal of Virology</i> , 2002, 76, 8518-8531.	1.5	227
12	Generation of HPV Pseudovirions Using Transfection and Their Use in Neutralization Assays. , 2005, 119, 445-462.		226
13	Quantitation of Human Seroresponsiveness to Merkel Cell Polyomavirus. <i>PLoS Pathogens</i> , 2009, 5, e1000578.	2.1	217
14	A Protective and Broadly Cross-Neutralizing Epitope of Human Papillomavirus L2. <i>Journal of Virology</i> , 2007, 81, 13927-13931.	1.5	196
15	The Ancient Evolutionary History of Polyomaviruses. <i>PLoS Pathogens</i> , 2016, 12, e1005574.	2.1	190
16	The papillomavirus major capsid protein L1. <i>Virology</i> , 2013, 445, 169-174.	1.1	183
17	Mash Screen: high-throughput sequence containment estimation for genome discovery. <i>Genome Biology</i> , 2019, 20, 232.	3.8	173
18	Intrinsic Stability of Episomal Circles Formed during Human Immunodeficiency Virus Type 1 Replication. <i>Journal of Virology</i> , 2002, 76, 4138-4144.	1.5	171

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19	Taxonomical developments in the family Polyomaviridae. <i>Archives of Virology</i> , 2011, 156, 1627-1634.	0.9	171
20	Cross-neutralization of cutaneous and mucosal Papillomavirus types with anti-sera to the amino terminus of L2. <i>Virology</i> , 2005, 337, 365-372.	1.1	158
21	Production of Papillomavirus-Based Gene Transfer Vectors. <i>Current Protocols in Cell Biology</i> , 2007, 37, Unit 26.1.	2.3	149
22	The Human Immunodeficiency Virus Type 1 gag Gene Encodes an Internal Ribosome Entry Site. <i>Journal of Virology</i> , 2001, 75, 181-191.	1.5	145
23	Characterization of Chemokine Receptor Utilization of Viruses in the Latent Reservoir for Human Immunodeficiency Virus Type 1. <i>Journal of Virology</i> , 2000, 74, 7824-7833.	1.5	139
24	A catalog of tens of thousands of viruses from human metagenomes reveals hidden associations with chronic diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	138
25	Mucin Biopolymers As Broad-Spectrum Antiviral Agents. <i>Biomacromolecules</i> , 2012, 13, 1724-1732.	2.6	136
26	Glycosaminoglycans and Sialylated Glycans Sequentially Facilitate Merkel Cell Polyomavirus Infectious Entry. <i>PLoS Pathogens</i> , 2011, 7, e1002161.	2.1	134
27	Identifying the Target Cells and Mechanisms of Merkel Cell Polyomavirus Infection. <i>Cell Host and Microbe</i> , 2016, 19, 775-787.	5.1	133
28	Discovery of several thousand highly diverse circular DNA viruses. <i>ELife</i> , 2020, 9, .	2.8	131
29	Intravaginal immunization with HPV vectors induces tissue-resident CD8+ T cell responses. <i>Journal of Clinical Investigation</i> , 2012, 122, 4606-4620.	3.9	120
30	Neutralization of Human Papillomavirus with Monoclonal Antibodies Reveals Different Mechanisms of Inhibition. <i>Journal of Virology</i> , 2007, 81, 8784-8792.	1.5	116
31	Complete Genome Sequence of a Tenth Human Polyomavirus. <i>Journal of Virology</i> , 2012, 86, 10887-10887.	1.5	113
32	Merkel Cell Polyomavirus Large T Antigen Disrupts Host Genomic Integrity and Inhibits Cellular Proliferation. <i>Journal of Virology</i> , 2013, 87, 9173-9188.	1.5	97
33	Human Polyomavirus 7-Associated Pruritic Rash and Viremia in Transplant Recipients. <i>Journal of Infectious Diseases</i> , 2015, 211, 1560-1565.	1.9	92
34	BK Polyomavirus Genotypes Represent Distinct Serotypes with Distinct Entry Tropism. <i>Journal of Virology</i> , 2013, 87, 10105-10113.	1.5	86
35	Neutralization Serotyping of BK Polyomavirus Infection in Kidney Transplant Recipients. <i>PLoS Pathogens</i> , 2012, 8, e1002650.	2.1	83
36	The Merkel Cell Polyomavirus Minor Capsid Protein. <i>PLoS Pathogens</i> , 2013, 9, e1003558.	2.1	83

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37	Cenote-Taker 2 democratizes virus discovery and sequence annotation. <i>Virus Evolution</i> , 2021, 7, veaa100.	2.2	82
38	Structures of Merkel Cell Polyomavirus VP1 Complexes Define a Sialic Acid Binding Site Required for Infection. <i>PLoS Pathogens</i> , 2012, 8, e1002738.	2.1	79
39	Bromodomain Protein Brd4 Plays a Key Role in Merkel Cell Polyomavirus DNA Replication. <i>PLoS Pathogens</i> , 2012, 8, e1003021.	2.1	78
40	Human polyomavirus 6 and 7 are associated with pruritic and dyskeratotic dermatoses. <i>Journal of the American Academy of Dermatology</i> , 2017, 76, 932-940.e3.	0.6	75
41	Metagenomic Discovery of 83 New Human Papillomavirus Types in Patients with Immunodeficiency. <i>MSphere</i> , 2018, 3, .	1.3	75
42	Plerixafor for the Treatment of WHIM Syndrome. <i>New England Journal of Medicine</i> , 2019, 380, 163-170.	13.9	74
43	Direct Priming and Cross-Priming Contribute Differentially to the Induction of CD8+ CTL Following Exposure to Vaccinia Virus Via Different Routes. <i>Journal of Immunology</i> , 2002, 169, 4222-4229.	0.4	67
44	Maturation of the Human Papillomavirus 16 Capsid. <i>MBio</i> , 2014, 5, e01104-14.	1.8	64
45	JC polyomavirus mutants escape antibody-mediated neutralization. <i>Science Translational Medicine</i> , 2015, 7, 306ra151.	5.8	64
46	Adsorption of Human Papillomavirus 16 to Live Human Sperm. <i>PLoS ONE</i> , 2009, 4, e5847.	1.1	64
47	Entry Tropism of BK and Merkel Cell Polyomaviruses in Cell Culture. <i>PLoS ONE</i> , 2012, 7, e42181.	1.1	63
48	Characterization of BK Polyomaviruses from Kidney Transplant Recipients Suggests a Role for APOBEC3 in Driving In-Host Virus Evolution. <i>Cell Host and Microbe</i> , 2018, 23, 628-635.e7.	5.1	63
49	Infectious Entry and Neutralization of Pathogenic JC Polyomaviruses. <i>Cell Reports</i> , 2017, 21, 1169-1179.	2.9	57
50	Presence of Human Polyomavirus 6 in Mutation-Specific BRAF Inhibitor-Induced Epithelial Proliferations. <i>JAMA Dermatology</i> , 2014, 150, 1180.	2.0	51
51	Commercially Available Immunoglobulins Contain Virus Neutralizing Antibodies Against All Major Genotypes of Polyomavirus BK. <i>American Journal of Transplantation</i> , 2015, 15, 1014-1020.	2.6	50
52	Papillomavirus Infection Requires β Secretase. <i>Journal of Virology</i> , 2010, 84, 10661-10670.	1.5	49
53	Characterization of <i>Mus musculus</i> Papillomavirus 1 Infection In Situ Reveals an Unusual Pattern of Late Gene Expression and Capsid Protein Localization. <i>Journal of Virology</i> , 2013, 87, 13214-13225.	1.5	44
54	Host DNA Damage Response Factors Localize to Merkel Cell Polyomavirus DNA Replication Sites To Support Efficient Viral DNA Replication. <i>Journal of Virology</i> , 2014, 88, 3285-3297.	1.5	44

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55	Detection of Human Polyomavirus 7 in Human Thymic Epithelial Tumors. <i>Journal of Thoracic Oncology</i> , 2015, 10, 360-366.	0.5	44
56	A novel polyherbal microbicide with inhibitory effect on bacterial, fungal and viral genital pathogens. <i>International Journal of Antimicrobial Agents</i> , 2008, 32, 180-185.	1.1	43
57	Positive correlation between Merkel cell polyomavirus viral load and capsid-specific antibody titer. <i>Medical Microbiology and Immunology</i> , 2012, 201, 17-23.	2.6	43
58	Attenuated poxviruses generate clinically relevant frequencies of CMV-specific T cells. <i>Blood</i> , 2004, 104, 847-856.	0.6	42
59	Preclinical Model To Test Human Papillomavirus Virus (HPV) Capsid Vaccines In Vivo Using Infectious HPV/Cottontail Rabbit Papillomavirus Chimeric Papillomavirus Particles. <i>Journal of Virology</i> , 2006, 80, 12393-12397.	1.5	42
60	Antibodies to Merkel Cell Polyomavirus Correlate to Presence of Viral DNA in the Skin. <i>Journal of Infectious Diseases</i> , 2011, 203, 1096-1100.	1.9	42
61	The Oncogenic Small Tumor Antigen of Merkel Cell Polyomavirus Is an Iron-Sulfur Cluster Protein That Enhances Viral DNA Replication. <i>Journal of Virology</i> , 2016, 90, 1544-1556.	1.5	39
62	Treatment for presumed BK polyomavirus nephropathy and risk of urinary tract cancers among kidney transplant recipients in the United States. <i>American Journal of Transplantation</i> , 2018, 18, 245-252.	2.6	39
63	Murine skin and vaginal mucosa are similarly susceptible to infection by pseudovirions of different papillomavirus classifications and species. <i>Virology</i> , 2012, 433, 385-394.	1.1	37
64	Hamburger polyomaviruses. <i>Journal of General Virology</i> , 2015, 96, 833-839.	1.3	36
65	The Papillomavirus Virion: A Machine Built to Hide Molecular Achilles' Heels. <i>Advances in Experimental Medicine and Biology</i> , 2012, 726, 403-422.	0.8	35
66	Inhibition of gamma secretase blocks HPV infection. <i>Virology</i> , 2010, 407, 391-396.	1.1	34
67	Antibody to the gp120 V1/V2 Loops and CD4+ and CD8+ T Cell Responses in Protection from SIVmac251 Vaginal Acquisition and Persistent Viremia. <i>Journal of Immunology</i> , 2014, 193, 6172-6183.	0.4	34
68	Infectious Entry of Merkel Cell Polyomavirus. <i>Journal of Virology</i> , 2019, 93, .	1.5	34
69	Genome Sequence of a Fish-Associated Polyomavirus, Black Sea Bass (<i>Centropristis striata</i>) Polyomavirus 1. <i>Genome Announcements</i> , 2015, 3, .	0.8	33
70	Targeting the Vaginal Mucosa with Human Papillomavirus Pseudovirion Vaccines Delivering Simian Immunodeficiency Virus DNA. <i>Journal of Immunology</i> , 2012, 188, 714-723.	0.4	30
71	Getting Stronger: The Relationship Between a Newly Identified Virus and Merkel Cell Carcinoma. <i>Journal of Investigative Dermatology</i> , 2009, 129, 9-11.	0.3	28
72	Mucosal delivery of human papillomavirus pseudovirus-encapsidated plasmids improves the potency of DNA vaccination. <i>Mucosal Immunology</i> , 2010, 3, 475-486.	2.7	28

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73	Adintoviruses: a proposed animal-tropic family of midsize eukaryotic linear dsDNA (MELD) viruses. <i>Virus Evolution</i> , 2021, 7, veaa055.	2.2	28
74	Immunization with Th-CTL Fusion Peptide and Cytosine-Phosphate-Guanine DNA in Transgenic HLA-A2 Mice Induces Recognition of HIV-Infected T Cells and Clears Vaccinia Virus Challenge. <i>Journal of Immunology</i> , 2003, 171, 4028-4039.	0.4	27
75	The case for BK polyomavirus as a cause of bladder cancer. <i>Current Opinion in Virology</i> , 2019, 39, 8-15.	2.6	27
76	An Evaluation of Enforced Rapid Proteasomal Degradation as a Means of Enhancing Vaccine-Induced CTL Responses. <i>Journal of Immunology</i> , 2004, 173, 3073-3083.	0.4	26
77	DNA from KI, WU and Merkel Cell Polyomaviruses Is Not Detected in Childhood Central Nervous System Tumours or Neuroblastomas. <i>PLoS ONE</i> , 2009, 4, e8239.	1.1	23
78	HPV-16 L1 genes with inactivated negative RNA elements induce potent immune responses. <i>Virology</i> , 2004, 322, 182-189.	1.1	22
79	Virus-like particles and capsomeres are potent vaccines against cutaneous alpha HPVs. <i>Vaccine</i> , 2010, 28, 1583-1593.	1.7	22
80	No Evidence for Association of HPyV6 or HPyV7 with Different Skin Cancers. <i>Journal of Investigative Dermatology</i> , 2012, 132, 239-241.	0.3	22
81	Treatment of Relapsing HPV Diseases by Restored Function of Natural Killer Cells. <i>New England Journal of Medicine</i> , 2021, 385, 921-929.	13.9	22
82	WU Polyomavirus in Respiratory Epithelial Cells from Lung Transplant Patient with Job Syndrome. <i>Emerging Infectious Diseases</i> , 2015, 21, 103-106.	2.0	21
83	Genomic Sequence of Canine Papillomavirus 19. <i>Genome Announcements</i> , 2016, 4, .	0.8	21
84	Characterization of monoclonal antibodies specific for the Merkel cell polyomavirus capsid. <i>Virology</i> , 2010, 405, 20-25.	1.1	19
85	A Divergent Variant of the Eleventh Human Polyomavirus Species, Saint Louis Polyomavirus. <i>Genome Announcements</i> , 2013, 1, .	0.8	18
86	Characterization of ALTO-encoding circular RNAs expressed by Merkel cell polyomavirus and trichodysplasia spinulosa polyomavirus. <i>PLoS Pathogens</i> , 2021, 17, e1009582.	2.1	17
87	Merkel Cell Polyomavirus Infection and Detection. <i>Journal of Visualized Experiments</i> , 2019, , .	0.2	16
88	A Cell-Free Assembly System for Generating Infectious Human Papillomavirus 16 Capsids Implicates a Size Discrimination Mechanism for Preferential Viral Genome Packaging. <i>Journal of Virology</i> , 2016, 90, 1096-1107.	1.5	14
89	Immune Readouts May Have Prognostic Value for the Course of Merkel Cell Carcinoma, a Virally Associated Disease. <i>Journal of Clinical Oncology</i> , 2011, 29, 1506-1508.	0.8	13
90	Histone Modifications in Papillomavirus Virion Minichromosomes. <i>MBio</i> , 2021, 12, .	1.8	13

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91	Cutaneous Squamous Cell Carcinoma: A Smoking Gun but Still No Suspects. <i>Journal of Investigative Dermatology</i> , 2011, 131, 1595-1596.	0.3	10
92	Trichodysplasia spinulosa in a child: Identification of trichodysplasia spinulosa-associated polyomavirus in skin, serum, and urine. <i>Pediatric Dermatology</i> , 2019, 36, 723-724.	0.5	10
93	Discovery of novel fish papillomaviruses: From the Antarctic to the commercial fish market. <i>Virology</i> , 2022, 565, 65-72.	1.1	10
94	A novel lineage of polyomaviruses identified in bark scorpions. <i>Virology</i> , 2021, 563, 58-63.	1.1	9
95	Establishment of Latent HIV-1 Infection of Resting CD4+ T Lymphocytes Does Not Require Inactivation of Vpr. <i>Virology</i> , 2000, 278, 227-233.	1.1	8
96	Complete Genome Sequence of a Polyomavirus Recovered from a Pomona Leaf-Nosed Bat (<i>Hipposideros</i>) Tj ETQq0.0.0 rgBT /Overlock 1	0.8	7
97	Development and evaluation of a BK polyomavirus serotyping assay using Luminex technology. <i>Journal of Clinical Virology</i> , 2019, 110, 22-28.	1.6	7
98	Host-Pathogen Interactions in Human Polyomavirus 7â€™Associated Pruritic Skin Eruption. <i>Journal of Investigative Dermatology</i> , 2021, 141, 1344-1348.e8.	0.3	7
99	Defensins' Offensive Play: Exploiting a Viral Achilles' Heel. <i>Cell Host and Microbe</i> , 2008, 3, 3-4.	5.1	6
100	Expression of the small T antigen of Lymphotropic Papovavirus is sufficient to transform primary mouse embryo fibroblasts. <i>Virology</i> , 2016, 487, 112-120.	1.1	6
101	Exposing the Molecular Machinery of BK Polyomavirus. <i>Structure</i> , 2016, 24, 495.	1.6	3
102	Identification of a Second Raccoon-Associated Polyomavirus. <i>Genome Announcements</i> , 2017, 5, .	0.8	0
103	Abstract LE01:DISTINGUISHED LECTURE ON TARGETS FOR CANCER PREVENTION:Prevention of cervical cancer in current and future generations by HPV vaccination and other approaches. , 2008, , .		0
104	APOBEC3B Signature Mutations Benefit BK Polyomavirus. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
105	Infectious Entry and Neutralization of Pathogenic JC Polyomaviruses. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0