

Ronald C Desrosiers

List of Publications by Year in descending order

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108
papers

7,597
citations

87888

38
h-index

54911

84
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110
all docs

110
docs citations

110
times ranked

5214
citing authors

#	ARTICLE	IF	CITATIONS
1	Gastrointestinal Tract as a Major Site of CD4+ T Cell Depletion and Viral Replication in SIV Infection. Science, 1998, 280, 427-431.	12.6	1,327
2	Sequence of simian immunodeficiency virus from macaque and its relationship to other human and simian retroviruses. Nature, 1987, 328, 543-547.	27.8	659
3	A role for carbohydrates in immune evasion in AIDS. Nature Medicine, 1998, 4, 679-684.	30.7	552
4	Deregulation of cell growth by the K1 gene of Kaposi's sarcoma-associated herpesvirus. Nature Medicine, 1998, 4, 435-440.	30.7	294
5	AAV-expressed eCD4-Ig provides durable protection from multiple SHIV challenges. Nature, 2015, 519, 87-91.	27.8	265
6	HIV vaccine design: insights from live attenuated SIV vaccines. Nature Immunology, 2006, 7, 19-23.	14.5	235
7	Identification of Highly Attenuated Mutants of Simian Immunodeficiency Virus. Journal of Virology, 1998, 72, 1431-1437.	3.4	224
8	Protection by Live, Attenuated Simian Immunodeficiency Virus against Heterologous Challenge. Journal of Virology, 1999, 73, 8356-8363.	3.4	209
9	Highly Attenuated Vaccine Strains of Simian Immunodeficiency Virus Protect against Vaginal Challenge: Inverse Relationship of Degree of Protection with Level of Attenuation. Journal of Virology, 1999, 73, 4952-4961.	3.4	205
10	The Primary Sequence of Rhesus Monkey Rhadinovirus Isolate 26-95: Sequence Similarities to Kaposi's Sarcoma-Associated Herpesvirus and Rhesus Monkey Rhadinovirus Isolate 17577. Journal of Virology, 2000, 74, 3388-3398.	3.4	182
11	Comparison of simian immunodeficiency virus isolates. Nature, 1988, 331, 619-621.	27.8	178
12	ADCC Develops Over Time during Persistent Infection with Live-Attenuated SIV and Is Associated with Complete Protection against SIVmac251 Challenge. PLoS Pathogens, 2012, 8, e1002890.	4.7	156
13	Prevalence of antibodies to 3 retroviruses in a captive colony of macaque monkeys. International Journal of Cancer, 1988, 41, 601-608.	5.1	143
14	STP and Tip Are Essential for Herpesvirus Saimiri Oncogenicity. Journal of Virology, 1998, 72, 1308-1313.	3.4	122
15	Resistance of neonatal monkeys to live attenuated vaccine strains of simian immunodeficiency virus. Nature Medicine, 1997, 3, 32-36.	30.7	118
16	Assorted Mutations in the Envelope Gene of Simian Immunodeficiency Virus Lead to Loss of Neutralization Resistance against Antibodies Representing a Broad Spectrum of Specificities. Journal of Virology, 2003, 77, 9993-10003.	3.4	110
17	Vaccine Protection against Simian Immunodeficiency Virus by Recombinant Strains of Herpes Simplex Virus. Journal of Virology, 2000, 74, 7745-7754.	3.4	109
18	Prospects for an AIDS vaccine. Nature Medicine, 2004, 10, 221-223.	30.7	107

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19	Adeno-Associated Virus Delivery of Anti-HIV Monoclonal Antibodies Can Drive Long-Term Virologic Suppression. <i>Immunity</i> , 2019, 50, 567-575.e5.	14.3	96
20	Impact of Nef-Mediated Downregulation of Major Histocompatibility Complex Class I on Immune Response to Simian Immunodeficiency Virus. <i>Journal of Virology</i> , 2004, 78, 13335-13344.	3.4	86
21	A finger on the missing link. <i>Nature</i> , 1990, 345, 288-289.	27.8	83
22	Modulation of Env Content in Virions of Simian Immunodeficiency Virus: Correlation with Cell Surface Expression and Virion Infectivity. <i>Journal of Virology</i> , 2004, 78, 6775-6785.	3.4	80
23	A Replication-Competent, Neutralization-Sensitive Variant of Simian Immunodeficiency Virus Lacking 100 Amino Acids of Envelope. <i>Journal of Virology</i> , 2002, 76, 2075-2086.	3.4	79
24	Experimental Infection of Rhesus and Pig-Tailed Macaques with Macaque Rhadinoviruses. <i>Journal of Virology</i> , 1999, 73, 10320-10328.	3.4	78
25	AAV-Delivered Antibody Mediates Significant Protective Effects against SIVmac239 Challenge in the Absence of Neutralizing Activity. <i>PLoS Pathogens</i> , 2015, 11, e1005090.	4.7	77
26	Animal Models for Acquired Immunodeficiency Syndrome. <i>Clinical Infectious Diseases</i> , 1987, 9, 438-446.	5.8	72
27	Simian Immunodeficiency Virus Engrafted with Human Immunodeficiency Virus Type 1 (HIV-1)-Specific Epitopes: Replication, Neutralization, and Survey of HIV-1-Positive Plasma. <i>Journal of Virology</i> , 2006, 80, 3030-3041.	3.4	72
28	Mapping the complete glycoproteome of virion-derived HIV-1 gp120 provides insights into broadly neutralizing antibody binding. <i>Scientific Reports</i> , 2016, 6, 32956.	3.3	71
29	Induction of a virus-specific effectorâ€‘memory CD4+ T cell response by attenuated SIV infection. <i>Journal of Experimental Medicine</i> , 2006, 203, 2661-2672.	8.5	63
30	Importance of B-Cell Responses for Immunological Control of Variant Strains of Simian Immunodeficiency Virus. <i>Journal of Virology</i> , 2003, 77, 375-381.	3.4	61
31	Host Anti-antibody Responses Following Adeno-associated Virusâ€‘mediated Delivery of Antibodies Against HIV and SIV in Rhesus Monkeys. <i>Molecular Therapy</i> , 2016, 24, 76-86.	8.2	60
32	Comparative Biology of Natural and Experimental SIVmac Infection in Macaque Monkeys: A Review. <i>Journal of Medical Primatology</i> , 1990, 19, 109-118.	0.6	56
33	Immunization of Macaques with Single-Cycle Simian Immunodeficiency Virus (SIV) Stimulates Diverse Virus-Specific Immune Responses and Reduces Viral Loads after Challenge with SIV mac 239. <i>Journal of Virology</i> , 2005, 79, 7707-7720.	3.4	54
34	Ability of herpes simplex virus vectors to boost immune responses to DNA vectors and to protect against challenge by simian immunodeficiency virus. <i>Virology</i> , 2007, 357, 199-214.	2.4	54
35	Importance of codon usage for the temporal regulation of viral gene expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14030-14035.	7.1	51
36	Rhesus Monkey Rhadinovirus Uses Eph Family Receptors for Entry into B Cells and Endothelial Cells but Not Fibroblasts. <i>PLoS Pathogens</i> , 2013, 9, e1003360.	4.7	50

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37	Virion Envelope Content, Infectivity, and Neutralization Sensitivity of Simian Immunodeficiency Virus. <i>Journal of Virology</i> , 2005, 79, 12455-12463.	3.4	49
38	Promise and problems associated with the use of recombinant AAV for the delivery of anti-HIV antibodies. <i>Molecular Therapy - Methods and Clinical Development</i> , 2016, 3, 16068.	4.1	48
39	Simian homologues of human herpesvirus 8. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2001, 356, 535-543.	4.0	42
40	Anti-drug Antibody Responses Impair Prophylaxis Mediated by AAV-Delivered HIV-1 Broadly Neutralizing Antibodies. <i>Molecular Therapy</i> , 2019, 27, 650-660.	8.2	42
41	Immune evasion strategies of the primate lentiviruses. <i>Immunological Reviews</i> , 2001, 183, 141-158.	6.0	40
42	Binding of the Kaposi's Sarcoma-Associated Herpesvirus to the Ephrin Binding Surface of the EphA2 Receptor and Its Inhibition by a Small Molecule. <i>Journal of Virology</i> , 2014, 88, 8724-8734.	3.4	32
43	Identification of Two N-Linked Glycosylation Sites within the Core of the Simian Immunodeficiency Virus Glycoprotein Whose Removal Enhances Sensitivity to Soluble CD4. <i>Journal of Virology</i> , 2005, 79, 12575-12583.	3.4	30
44	A Genetic System for Rhesus Monkey Rhadinovirus: Use of Recombinant Virus To Quantitate Antibody-Mediated Neutralization. <i>Journal of Virology</i> , 2006, 80, 1549-1562.	3.4	30
45	EphA7 Functions as Receptor on BJAB Cells for Cell-to-Cell Transmission of the Kaposi's Sarcoma-Associated Herpesvirus and for Cell-Free Infection by the Related Rhesus Monkey Rhadinovirus. <i>Journal of Virology</i> , 2019, 93, .	3.4	29
46	Long-Term Delivery of an Anti-SIV Monoclonal Antibody With AAV. <i>Frontiers in Immunology</i> , 2020, 11, 449.	4.8	29
47	Vaccine Protection against Simian Immunodeficiency Virus in Monkeys Using Recombinant Gamma-2 Herpesvirus. <i>Journal of Virology</i> , 2011, 85, 12708-12720.	3.4	27
48	Identification and characterization of a long non-coding RNA up-regulated during HIV-1 infection. <i>Virology</i> , 2017, 511, 30-39.	2.4	27
49	A conserved Eph family receptor-binding motif on the gH/gL complex of Kaposi's sarcoma-associated herpesvirus and rhesus monkey rhadinovirus. <i>PLoS Pathogens</i> , 2018, 14, e1006912.	4.7	27
50	Circumventing cellular immunity by miR142-mediated regulation sufficiently supports rAAV-delivered OVA expression without activating humoral immunity. <i>JCI Insight</i> , 2019, 4, .	5.0	26
51	Gp120 on HIV-1 Virions Lacks O-Linked Carbohydrate. <i>PLoS ONE</i> , 2015, 10, e0124784.	2.5	25
52	Discovery of O-Linked Carbohydrate on HIV-1 Envelope and Its Role in Shielding against One Category of Broadly Neutralizing Antibodies. <i>Cell Reports</i> , 2020, 30, 1862-1869.e4.	6.4	25
53	Viral Transformation Of Human T Lymphocytes. <i>Advances in Cancer Research</i> , 1994, 63, 211-244.	5.0	23
54	Potent Antibody-Mediated Neutralization and Evolution of Antigenic Escape Variants of Simian Immunodeficiency Virus Strain SIVmac239 In Vivo. <i>Journal of Virology</i> , 2008, 82, 9739-9752.	3.4	23

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55	Simian Immunodeficiency Virus from the Sooty Mangabey and Rhesus Macaque Is Modified with O-Linked Carbohydrate. <i>Journal of Virology</i> , 2011, 85, 582-595.	3.4	23
56	SIV Vpx Is Essential for Macrophage Infection but Not for Development of AIDS. <i>PLoS ONE</i> , 2014, 9, e84463.	2.5	23
57	Glycosylation of gp41 of Simian Immunodeficiency Virus Shields Epitopes That Can Be Targets for Neutralizing Antibodies. <i>Journal of Virology</i> , 2008, 82, 12472-12486.	3.4	22
58	Use of Infectious Molecular Clones of Simian Immunodeficiency Virus for Pathogenesis Studies. <i>Journal of Medical Primatology</i> , 1989, 18, 305-309.	0.6	21
59	HEK293T cell lines defective for O-linked glycosylation. <i>PLoS ONE</i> , 2017, 12, e0179949.	2.5	21
60	Persistent Low-Level Replication of SIV ^{nef} Drives Maturation of Antibody and CD8 T Cell Responses to Induce Protective Immunity against Vaginal SIV Infection. <i>PLoS Pathogens</i> , 2016, 12, e1006104.	4.7	21
61	Influence of Mismatch of Env Sequences on Vaccine Protection by Live Attenuated Simian Immunodeficiency Virus. <i>Journal of Virology</i> , 2013, 87, 7246-7254.	3.4	20
62	ThetaxGene Sequences Form Two Divergent Monophyletic Lineages Corresponding to Types I and II of Simian and Human T-Cell Leukemia/Lymphotropic Viruses. <i>Virology</i> , 1997, 231, 96-104.	2.4	19
63	Glycoprotein gene sequence variation in rhesus monkey rhadinovirus. <i>Virology</i> , 2010, 400, 175-186.	2.4	19
64	Potent Plasmablast-Derived Antibodies Elicited by the National Institutes of Health Dengue Vaccine. <i>Journal of Virology</i> , 2017, 91, .	3.4	19
65	Protection against HIV Acquisition in the RV144 Trial. <i>Journal of Virology</i> , 2017, 91, .	3.4	19
66	Vaccine-induced immune responses against both Gag and Env improve control of simian immunodeficiency virus replication in rectally challenged rhesus macaques. <i>PLoS Pathogens</i> , 2017, 13, e1006529.	4.7	19
67	Liver-Directed but Not Muscle-Directed AAV-Antibody Gene Transfer Limits Humoral Immune Responses in Rhesus Monkeys. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 16, 94-102.	4.1	18
68	Recombinant AAV Vectors for Enhanced Expression of Authentic IgG. <i>PLoS ONE</i> , 2016, 11, e0158009.	2.5	16
69	Identification and characterization of a macrophage-tropic SIV envelope glycoprotein variant in blood from early infection in SIVmac251-infected macaques. <i>Virology</i> , 2014, 458-459, 53-68.	2.4	15
70	Rare Control of SIVmac239 Infection in a Vaccinated Rhesus Macaque. <i>AIDS Research and Human Retroviruses</i> , 2017, 33, 843-858.	1.1	15
71	Vaccine protection against SIVmac239 acquisition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1739-1744.	7.1	15
72	Molecular Changes Associated With Replication of Simian Immunodeficiency Virus in Human Cells. <i>Journal of Medical Primatology</i> , 1990, 19, 431-437.	0.6	15

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73	A Highly Unusual V1 Region of Env in an Elite Controller of HIV Infection. <i>Journal of Virology</i> , 2019, 93, .	3.4	14
74	Infection and Persistence of Rhesus Monkey Rhadinovirus in Immortalized B-Cell Lines. <i>Journal of Virology</i> , 2006, 80, 3644-3649.	3.4	13
75	Genetic Diversity of Simian Immunodeficiency Virus. <i>Journal of Medical Primatology</i> , 1989, 18, 261-269.	0.6	13
76	High concordance of ELISA and neutralization assays allows for the detection of antibodies to individual AAV serotypes. <i>Molecular Therapy - Methods and Clinical Development</i> , 2022, 24, 199-206.	4.1	13
77	Use of Simian Immunodeficiency Virus for Vaccine Research. <i>Journal of Medical Primatology</i> , 1990, 19, 395-399.	0.6	12
78	The immunopathogenesis of retroviral diseases: No immunophenotypic alterations in T, B, and NK cell subsets in SIV _{mac239} -challenged rhesus macaques protected by SIV _{nef} vaccination. <i>Journal of Medical Primatology</i> , 1996, 25, 186-191.	0.6	11
79	Rhesus Monkey Rhadinovirus ORF57 Induces gH and gL Glycoprotein Expression through Posttranscriptional Accumulation of Target mRNAs. <i>Journal of Virology</i> , 2011, 85, 7810-7817.	3.4	11
80	<i>Mamu-B*17</i> ⁺ Rhesus Macaques Vaccinated with <i>env</i> , <i>vif</i> , and <i>nef</i> Manifest Early Control of SIV _{mac239} Replication. <i>Journal of Virology</i> , 2018, 92, .	3.4	11
81	Fundamental Difference in the Content of High-Mannose Carbohydrate in the HIV-1 and HIV-2 Lineages. <i>Journal of Virology</i> , 2010, 84, 8998-9009.	3.4	10
82	Dengue Virus Evades AAV-Mediated Neutralizing Antibody Prophylaxis in Rhesus Monkeys. <i>Molecular Therapy</i> , 2017, 25, 2323-2331.	8.2	9
83	A recombinant herpesviral vector containing a near-full-length SIV _{mac239} genome produces SIV particles and elicits immune responses to all nine SIV gene products. <i>PLoS Pathogens</i> , 2018, 14, e1007143.	4.7	9
84	PRA1 co-localizes with envelope but does not influence primate lentivirus production, infectivity or envelope incorporation. <i>Journal of General Virology</i> , 2005, 86, 1785-1790.	2.9	8
85	Plxdc family members are novel receptors for the rhesus monkey rhadinovirus (RRV). <i>PLoS Pathogens</i> , 2021, 17, e1008979.	4.7	8
86	Cellular Immune Responses against Simian T-Lymphotropic Virus Type 1 Target Tax in Infected Baboons. <i>Journal of Virology</i> , 2016, 90, 5280-5291.	3.4	8
87	A case of pulmonary cestodiasis in a simian immunodeficiency virus-infected pigtailed macaque (<i>Macaca nemestrina</i>) in which virus-infected leukocytes are present within the lesion. <i>Journal of Medical Primatology</i> , 1996, 25, 251-256.	0.6	7
88	Polymorphisms in Rhesus Macaque Tetherin Are Associated with Differences in Acute Viremia in Simian Immunodeficiency Virus _{nef} -Infected Animals. <i>Journal of Virology</i> , 2018, 92, .	3.4	7
89	Vaccine protection against rectal acquisition of SIV _{mac239} in rhesus macaques. <i>PLoS Pathogens</i> , 2019, 15, e1008015.	4.7	7
90	Rectal Acquisition of Simian Immunodeficiency Virus (SIV) SIV _{mac239} Infection despite Vaccine-Induced Immune Responses against the Entire SIV Proteome. <i>Journal of Virology</i> , 2020, 94, .	3.4	7

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91	Glycoengineering of AAV-delivered monoclonal antibodies yields increased ADCC activity. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 20, 204-217.	4.1	7
92	Sequence Variability of Simian Immunodeficiency Virus in a Persistently Infected Rhesus Monkey. <i>Journal of Medical Primatology</i> , 1990, 19, 317-326.	0.6	7
93	Origin of the human AIDS virus. <i>Nature</i> , 1986, 319, 728-728.	27.8	6
94	Neutralizing Capacity of Monoclonal Antibodies That Recognize Peptide Sequences Underlying the Carbohydrates on gp41 of Simian Immunodeficiency Virus. <i>Journal of Virology</i> , 2012, 86, 12484-12493.	3.4	6
95	Systematic Analysis of Intracellular Trafficking Motifs Located within the Cytoplasmic Domain of Simian Immunodeficiency Virus Glycoprotein gp41. <i>PLoS ONE</i> , 2014, 9, e114753.	2.5	6
96	Use of a Recombinant Gamma-2 Herpesvirus Vaccine Vector against Dengue Virus in Rhesus Monkeys. <i>Journal of Virology</i> , 2017, 91, .	3.4	5
97	Human Immunodeficiency Virus and Simian Immunodeficiency Virus Maintain High Levels of Infectivity in the Complete Absence of Mucin-Type O-Glycosylation. <i>Journal of Virology</i> , 2017, 91, .	3.4	5
98	The Frequency of Vaccine-Induced T-Cell Responses Does Not Predict the Rate of Acquisition after Repeated Intrarectal SIVmac239 Challenges in Mamu-B*08 + Rhesus Macaques. <i>Journal of Virology</i> , 2019, 93, .	3.4	5
99	Rhesus Monkey Rhadinovirus Isolated from Hemangioma Tissue. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	5
100	Study of spontaneous infectious diseases of primates: Contributions of the regional primate research centers program to conservation and new scientific opportunities. <i>American Journal of Primatology</i> , 1994, 34, 3-10.	1.7	3
101	Simian T Lymphotropic Virus 1 Infection of <i>Papio anubis</i> : Sequence Heterogeneity and T Cell Recognition. <i>Journal of Virology</i> , 2017, 91, .	3.4	3
102	A Recombinant Rhesus Monkey Rhadinovirus Deleted of Glycoprotein L Establishes Persistent Infection of Rhesus Macaques and Elicits Conventional T Cell Responses. <i>Journal of Virology</i> , 2020, 94, .	3.4	3
103	Recombinant Herpesvirus Vectors: Durable Immune Responses and Durable Protection against Simian Immunodeficiency Virus SIVmac239 Acquisition. <i>Journal of Virology</i> , 2021, 95, e0033021.	3.4	2
104	Profile of Ronald Derosiers, Ph.D.. <i>BioTechniques</i> , 2006, 41, 21.	1.8	0
105	Reply to "On the Use of 2,5-Dimethyl-Pyrrol-1-yl-Benzoic Acid Derivatives as EPH-Ephrin Antagonists". <i>Journal of Virology</i> , 2014, 88, 12174-12174.	3.4	0
106	Biographical Feature: Bernhard Fleckenstein. <i>Journal of Virology</i> , 2021, 95, e0089621.	3.4	0
107	Approaches to AIDS Research. <i>Science</i> , 1997, 275, 11-14.	12.6	0
108	SOSIP Trimer-Specific Antibodies Isolated from a Simian-Human Immunodeficiency Virus-Infected Monkey with versus without a Pre-blocking Step with gp41. <i>Journal of Virology</i> , 2022, 96, JVI0158221.	3.4	0