

# Laurent K Verkoczy

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1195869/publications.pdf>

Version: 2024-02-01

51  
papers

2,645  
citations

201674

27  
h-index

189892

50  
g-index

52  
all docs

52  
docs citations

52  
times ranked

2599  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autoreactivity in an HIV-1 broadly reactive neutralizing antibody variable region heavy chain induces immunologic tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 181-186.	7.1	172
2	Antibody polyspecificity and neutralization of HIV-1: A hypothesis. <i>Human Antibodies</i> , 2006, 14, 59-67.	1.5	142
3	Decreased Frequency of Somatic Hypermutation and Impaired Affinity Maturation but Intact Germinal Center Formation in Mice Expressing Antisense RNA to DNA Polymerase $\delta$ . <i>Journal of Immunology</i> , 2001, 167, 327-335.	0.8	141
4	Immune perturbations in HIV-1-infected individuals who make broadly neutralizing antibodies. <i>Science Immunology</i> , 2016, 1, aag0851.	11.9	120
5	Targeted selection of HIV-specific antibody mutations by engineering B cell maturation. <i>Science</i> , 2019, 366, .	12.6	118
6	Antibody polyspecificity and neutralization of HIV-1: a hypothesis. <i>Human Antibodies</i> , 2005, 14, 59-67.	1.5	109
7	Rescue of HIV-1 Broad Neutralizing Antibody-Expressing B Cells in 2F5 VH $\Delta$ - VL Knockin Mice Reveals Multiple Tolerance Controls. <i>Journal of Immunology</i> , 2011, 187, 3785-3797.	0.8	97
8	Vaccine Induction of Heterologous Tier 2 HIV-1 Neutralizing Antibodies in Animal Models. <i>Cell Reports</i> , 2017, 21, 3681-3690.	6.4	97
9	An autoreactive antibody from an SLE/HIV-1 individual broadly neutralizes HIV-1. <i>Journal of Clinical Investigation</i> , 2014, 124, 1835-1843.	8.2	93
10	Basal B Cell Receptor-Directed Phosphatidylinositol 3-Kinase Signaling Turns Off RAGs and Promotes B Cell-Positive Selection. <i>Journal of Immunology</i> , 2007, 178, 6332-6341.	0.8	92
11	Initiation of immune tolerance-controlled HIV gp41 neutralizing B cell lineages. <i>Science Translational Medicine</i> , 2016, 8, 336ra62.	12.4	86
12	Role of immune mechanisms in induction of HIV-1 broadly neutralizing antibodies. <i>Current Opinion in Immunology</i> , 2011, 23, 383-390.	5.5	85
13	A Role for Nuclear Factor Kappa B/Rel Transcription Factors in the Regulation of the Recombinase Activator Genes. <i>Immunity</i> , 2005, 22, 519-531.	14.3	80
14	Induction of HIV-1 Broad Neutralizing Antibodies in 2F5 Knock-in Mice: Selection against Membrane Proximal External Region-Associated Autoreactivity Limits T-Dependent Responses. <i>Journal of Immunology</i> , 2013, 191, 2538-2550.	0.8	77
15	Common Tolerance Mechanisms, but Distinct Cross-Reactivities Associated with gp41 and Lipids, Limit Production of HIV-1 Broad Neutralizing Antibodies 2F5 and 4E10. <i>Journal of Immunology</i> , 2013, 191, 1260-1275.	0.8	77
16	Initiation of HIV neutralizing B cell lineages with sequential envelope immunizations. <i>Nature Communications</i> , 2017, 8, 1732.	12.8	76
17	Autoreactivity in HIV-1 broadly neutralizing antibodies. <i>Current Opinion in HIV and AIDS</i> , 2014, 9, 224-234.	3.8	71
18	Host Controls of HIV Neutralizing Antibodies. <i>Science</i> , 2014, 344, 588-589.	12.6	63

#	ARTICLE	IF	CITATIONS
19	Progress in HIV-1 vaccine development. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 134, 3-10.	2.9	62
20	An immunoglobulin C $\mu$ -reactive single chain antibody fusion protein induces tolerance through receptor editing in a normal polyclonal immune system. <i>Journal of Experimental Medicine</i> , 2005, 201, 817-828.	8.5	61
21	HIV-1 antibodies from infection and vaccination: insights for guiding vaccine design. <i>Trends in Microbiology</i> , 2012, 20, 532-539.	7.7	61
22	Prolonged exposure of the HIV-1 gp41 membrane proximal region with L669S substitution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5972-5977.	7.1	57
23	Differential Reactivity of Germ Line Allelic Variants of a Broadly Neutralizing HIV-1 Antibody to a gp41 Fusion Intermediate Conformation. <i>Journal of Virology</i> , 2011, 85, 11725-11731.	3.4	56
24	Decreased frequency and highly aberrant spectrum of ultraviolet-induced mutations in the hprt gene of mouse fibroblasts expressing antisense RNA to DNA polymerase zeta. <i>Molecular Cancer Research</i> , 2003, 1, 836-47.	3.4	54
25	The bryophyte <i>Physcomitrella patens</i> replicates extrachromosomal transgenic elements. <i>New Phytologist</i> , 2000, 146, 391-402.	7.3	53
26	The scope of receptor editing and its association with autoimmunity. <i>Current Opinion in Immunology</i> , 2004, 16, 808-814.	5.5	46
27	Human Ig knockin mice to study the development and regulation of $\alpha$ 1 broadly neutralizing antibodies. <i>Immunological Reviews</i> , 2017, 275, 89-107.	6.0	37
28	The Chimpanzee SIV Envelope Trimer: Structure and Deployment as an HIV Vaccine Template. <i>Cell Reports</i> , 2019, 27, 2426-2441.e6.	6.4	35
29	SARS-CoV-2 variant evolution in the United States: High accumulation of viral mutations over time likely through serial Founder Events and mutational bursts. <i>PLoS ONE</i> , 2021, 16, e0255169.	2.5	28
30	Immune checkpoint modulation enhances HIV-1 antibody induction. <i>Nature Communications</i> , 2020, 11, 948.	12.8	27
31	HIV-1 Envelope gp41 Broadly Neutralizing Antibodies: Hurdles for Vaccine Development. <i>PLoS Pathogens</i> , 2014, 10, e1004073.	4.7	26
32	Immune System Regulation in the Induction of Broadly Neutralizing HIV-1 Antibodies. <i>Vaccines</i> , 2014, 2, 1-14.	4.4	25
33	Speckled-like Pattern in the Germinal Center (SLIP-GC), a Nuclear GTPase Expressed in Activation-induced Deaminase-expressing Lymphomas and Germinal Center B Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 30652-30661.	3.4	20
34	Functional, Non-Clonal IgM $\alpha$ -Restricted B Cell Receptor Interactions with the HIV-1 Envelope gp41 Membrane Proximal External Region. <i>PLoS ONE</i> , 2009, 4, e7215.	2.5	20
35	Tolerance-induced receptor selection: scope, sensitivity, locus specificity, and relationship to lymphocyte-positive selection. <i>Immunological Reviews</i> , 2004, 197, 219-230.	6.0	19
36	HIV-1 gp140 epitope recognition is influenced by immunoglobulin DH gene segment sequence. <i>Immunogenetics</i> , 2016, 68, 145-155.	2.4	18

#	ARTICLE	IF	CITATIONS
37	hBRAG, a novel B cell lineage cDNA encoding a type II transmembrane glycoprotein potentially involved in the regulation of recombination activating gene 1 (RAG1). <i>European Journal of Immunology</i> , 1998, 28, 2839-2853.	2.9	16
38	Split Tolerance in Peripheral B Cell Subsets in Mice Expressing a Low Level of IgI <sup>g</sup> -Reactive Ligand. <i>Journal of Immunology</i> , 2006, 176, 939-948.	0.8	16
39	Modulation of Nonneutralizing HIV-1 gp41 Responses by an MHC-Restricted TH Epitope Overlapping Those of Membrane Proximal External Region Broadly Neutralizing Antibodies. <i>Journal of Immunology</i> , 2014, 192, 1693-1706.	0.8	14
40	Humanized Immunoglobulin Mice. <i>Advances in Immunology</i> , 2017, 134, 235-352.	2.2	14
41	Engineering well-expressed, V2-immunofocusing HIV-1 envelope glycoprotein membrane trimers for use in heterologous prime-boost vaccine regimens. <i>PLoS Pathogens</i> , 2021, 17, e1009807.	4.7	13
42	Characterization of the Human B Cell RAG-associated Gene, hBRAG, as a B Cell Receptor Signal-enhancing Glycoprotein Dimer That Associates with Phosphorylated Proteins in Resting B Cells. <i>Journal of Biological Chemistry</i> , 2000, 275, 20967-20979.	3.4	12
43	Cross-Reactivity to Kynureninase Tolerizes B Cells That Express the HIV-1 Broadly Neutralizing Antibody 2F5. <i>Journal of Immunology</i> , 2019, 203, 3268-3281.	0.8	12
44	Redemption of autoreactive B cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9022-9023.	7.1	11
45	Enhanced Antibody Responses to an HIV-1 Membrane-Proximal External Region Antigen in Mice Reconstituted with Cultured Lymphocytes. <i>Journal of Immunology</i> , 2014, 192, 3269-3279.	0.8	10
46	Mutagenesis by AID, a molecule critical to immunoglobulin hypermutation, is not caused by an alteration of the precursor nucleotide pool. <i>Molecular Immunology</i> , 2003, 40, 261-268.	2.2	8
47	Immunodominance of Antibody Recognition of the HIV Envelope V2 Region in Ig-Humanized Mice. <i>Journal of Immunology</i> , 2017, 198, 1047-1055.	0.8	7
48	HIV-1 Envelope Mimicry of Host Enzyme Kynureninase Does Not Disrupt Tryptophan Metabolism. <i>Journal of Immunology</i> , 2016, 197, 4663-4673.	0.8	6
49	Haplotype exclusion and receptor editing: irreconcilable differences?. <i>Seminars in Immunology</i> , 2002, 14, 191-198.	5.6	3
50	Peripheral B lymphocyte tolerance. <i>Keio Journal of Medicine</i> , 2004, 53, 151-158.	1.1	2
51	The Role of IgM Antibodies in T Cell Lymphoma Protection in a Novel Model Resembling Anaplastic Large Cell Lymphoma. <i>Journal of Immunology</i> , 2021, 206, 2468-2477.	0.8	0