

Ann J Hessell

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

4,681
citations

393982

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344852

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docs citations

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times ranked

3938
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Fc receptor but not complement binding is important in antibody protection against HIV. <i>Nature</i> , 2007, 449, 101-104. | 13.7 | 828 |
| 2 | Structural definition of a conserved neutralization epitope on HIV-1 gp120. <i>Nature</i> , 2007, 445, 732-737. | 13.7 | 715 |
| 3 | Antibody Protects Macaques against Vaginal Challenge with a Pathogenic R5 Simian/Human Immunodeficiency Virus at Serum Levels Giving Complete Neutralization In Vitro. <i>Journal of Virology</i> , 2001, 75, 8340-8347. | 1.5 | 649 |
| 4 | Effective, low-titer antibody protection against low-dose repeated mucosal SHIV challenge in macaques. <i>Nature Medicine</i> , 2009, 15, 951-954. | 15.2 | 509 |
| 5 | Broadly Neutralizing Human Anti-HIV Antibody 2G12 Is Effective in Protection against Mucosal SHIV Challenge Even at Low Serum Neutralizing Titers. <i>PLoS Pathogens</i> , 2009, 5, e1000433. | 2.1 | 475 |
| 6 | Broadly Neutralizing Monoclonal Antibodies 2F5 and 4E10 Directed against the Human Immunodeficiency Virus Type 1 gp41 Membrane-Proximal External Region Protect against Mucosal Challenge by Simian-Human Immunodeficiency Virus SHIV _{Ba-L} . <i>Journal of Virology</i> , 2010, 84, 1302-1313. | 1.5 | 296 |
| 7 | Limited or no protection by weakly or nonneutralizing antibodies against vaginal SHIV challenge of macaques compared with a strongly neutralizing antibody. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11181-11186. | 3.3 | 243 |
| 8 | Early short-term treatment with neutralizing human monoclonal antibodies halts SHIV infection in infant macaques. <i>Nature Medicine</i> , 2016, 22, 362-368. | 15.2 | 163 |
| 9 | Use of broadly neutralizing antibodies for HIV prevention. <i>Immunological Reviews</i> , 2017, 275, 296-312. | 2.8 | 131 |
| 10 | A Nonfucosylated Variant of the anti-HIV-1 Monoclonal Antibody b12 Has Enhanced Fc γ RIIIa-Mediated Antiviral Activity <i>In Vitro</i> but Does Not Improve Protection against Mucosal SHIV Challenge in Macaques. <i>Journal of Virology</i> , 2012, 86, 6189-6196. | 1.5 | 110 |
| 11 | Achieving Potent Autologous Neutralizing Antibody Responses against Tier 2 HIV-1 Viruses by Strategic Selection of Envelope Immunogens. <i>Journal of Immunology</i> , 2016, 196, 3064-3078. | 0.4 | 56 |
| 12 | Emergence of Broadly Neutralizing Antibodies and Viral Coevolution in Two Subjects during the Early Stages of Infection with Human Immunodeficiency Virus Type 1. <i>Journal of Virology</i> , 2014, 88, 12968-12981. | 1.5 | 51 |
| 13 | Reduced Cell-Associated DNA and Improved Viral Control in Macaques following Passive Transfer of a Single Anti-V2 Monoclonal Antibody and Repeated Simian/Human Immunodeficiency Virus Challenges. <i>Journal of Virology</i> , 2018, 92, . | 1.5 | 51 |
| 14 | Inhibition of HIV-1 Infectivity and Epithelial Cell Transfer by Human Monoclonal IgG and IgA Antibodies Carrying the b12 V Region. <i>Journal of Immunology</i> , 2007, 179, 3144-3152. | 0.4 | 40 |
| 15 | Envelope Variants Circulating as Initial Neutralization Breadth Developed in Two HIV-Infected Subjects Stimulate Multiclade Neutralizing Antibodies in Rabbits. <i>Journal of Virology</i> , 2014, 88, 12949-12967. | 1.5 | 37 |
| 16 | Single-dose bNAbs cocktail or abbreviated ART post-exposure regimens achieve tight SHIV control without adaptive immunity. <i>Nature Communications</i> , 2020, 11, 70. | 5.8 | 37 |
| 17 | Passive and active antibody studies in primates to inform HIV vaccines. <i>Expert Review of Vaccines</i> , 2018, 17, 1-18. | 2.0 | 36 |
| 18 | Multimeric Epitope-Scaffold HIV Vaccines Target V1V2 and Differentially Tune Polyfunctional Antibody Responses. <i>Cell Reports</i> , 2019, 28, 877-895.e6. | 2.9 | 36 |

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|----|--|-----|-----------|
| 19 | Advancing HIV Broadly Neutralizing Antibodies: From Discovery to the Clinic. <i>Frontiers in Public Health</i> , 2021, 9, 690017. | 1.3 | 26 |
| 20 | Neutralizing Antibodies and Control of HIV: Moves and Countermoves. <i>Current HIV/AIDS Reports</i> , 2012, 9, 64-72. | 1.1 | 23 |
| 21 | Induction of neutralizing antibodies in rhesus macaques using V3 mimotope peptides. <i>Vaccine</i> , 2016, 34, 2713-2721. | 1.7 | 23 |
| 22 | Simplifying the synthesis of SIgA: Combination of dlG _A and rhSC using affinity chromatography. <i>Methods</i> , 2014, 65, 127-132. | 1.9 | 20 |
| 23 | Phagocytosis by an HIV antibody is associated with reduced viremia irrespective of enhanced complement lysis. <i>Nature Communications</i> , 2022, 13, 662. | 5.8 | 18 |
| 24 | Differential induction of anti-V3 crown antibodies with cradle- and ladle-binding modes in response to HIV-1 envelope vaccination. <i>Vaccine</i> , 2017, 35, 1464-1473. | 1.7 | 15 |
| 25 | Efficacy of silk fibroin biomaterial vehicle for <i>in vivo</i> mucosal delivery of Griffithsin and protection against HIV and SHIV infection <i>ex vivo</i> . <i>Journal of the International AIDS Society</i> , 2020, 23, e25628. | 1.2 | 14 |
| 26 | Divergent HIV-1-Directed Immune Responses Generated by Systemic and Mucosal Immunization with Replicating Single-Cycle Adenoviruses in Rhesus Macaques. <i>Journal of Virology</i> , 2019, 93, . | 1.5 | 11 |
| 27 | IL-33 enhances the kinetics and quality of the antibody response to a DNA and protein-based HIV-1 Env vaccine. <i>Vaccine</i> , 2019, 37, 2322-2330. | 1.7 | 9 |
| 28 | Rapid Induction of Multifunctional Antibodies in Rabbits and Macaques by Clade C HIV-1 CAP257 Envelopes Circulating During Epitope-Specific Neutralization Breadth Development. <i>Frontiers in Immunology</i> , 2020, 11, 984. | 2.2 | 9 |
| 29 | Virus Control in Vaccinated Rhesus Macaques Is Associated with Neutralizing and Capturing Antibodies against the SHIV Challenge Virus but Not with V1V2 Vaccine-Induced Anti-V2 Antibodies Alone. <i>Journal of Immunology</i> , 2021, 206, 1266-1283. | 0.4 | 8 |
| 30 | Non-neutralizing antibodies targeting the immunogenic regions of HIV-1 envelope reduce mucosal infection and virus burden in humanized mice. <i>PLoS Pathogens</i> , 2022, 18, e1010183. | 2.1 | 8 |
| 31 | Revisiting an IgG Fc Loss-of-Function Experiment: the Role of Complement in HIV Broadly Neutralizing Antibody b12 Activity. <i>MBio</i> , 2021, 12, e0174321. | 1.8 | 7 |
| 32 | Differential V2-directed antibody responses in non-human primates infected with SHIVs or immunized with diverse HIV vaccines. <i>Nature Communications</i> , 2022, 13, 903. | 5.8 | 7 |
| 33 | An HIV Vaccine Targeting the V2 Region of the HIV Envelope Induces a Highly Durable Polyfunctional Fc-Mediated Antibody Response in Rhesus Macaques. <i>Journal of Virology</i> , 2020, 94, . | 1.5 | 6 |
| 34 | Antibodies Tip the Balance Towards an HIV Cure. <i>Trends in Immunology</i> , 2019, 40, 375-377. | 2.9 | 5 |
| 35 | Polyfunctional Tier 2-Neutralizing Antibodies Cloned following HIV-1 Env Macaque Immunization Mirror Native Antibodies in a Human Donor. <i>Journal of Immunology</i> , 2021, 206, 999-1012. | 0.4 | 5 |
| 36 | Modified Adenovirus Prime-Protein Boost Clade C HIV Vaccine Strategy Results in Reduced Viral DNA in Blood and Tissues Following Tier 2 SHIV Challenge. <i>Frontiers in Immunology</i> , 2020, 11, 626464. | 2.2 | 4 |

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|----|---|-----|-----------|
| 37 | CD4+ T Cells Are Dispensable for Induction of Broad Heterologous HIV Neutralizing Antibodies in Rhesus Macaques. <i>Frontiers in Immunology</i> , 2021, 12, 757811. | 2.2 | 0 |