

Aaron J Schmitz

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

4,794
citations

304743

22
h-index

552781

26
g-index

33
all docs

33
docs citations

33
times ranked

9106
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Resistance of SARS-CoV-2 variants to neutralization by monoclonal and serum-derived polyclonal antibodies. <i>Nature Medicine</i> , 2021, 27, 717-726. | 30.7 | 838 |
| 2 | SARS-CoV-2 mRNA vaccines induce persistent human germinal centre responses. <i>Nature</i> , 2021, 596, 109-113. | 27.8 | 586 |
| 3 | A SARS-CoV-2 Infection Model in Mice Demonstrates Protection by Neutralizing Antibodies. <i>Cell</i> , 2020, 182, 744-753.e4. | 28.9 | 486 |
| 4 | SARS-CoV-2 infection induces long-lived bone marrow plasma cells in humans. <i>Nature</i> , 2021, 595, 421-425. | 27.8 | 428 |
| 5 | A role for the RabA4b effector protein PI-4KÎ²1 in polarized expansion of root hair cells in <i>Arabidopsis thaliana</i> . <i>Journal of Cell Biology</i> , 2006, 172, 991-998. | 5.2 | 274 |
| 6 | SARS-CoV-2 mRNA vaccination induces functionally diverse antibodies to NTD, RBD, and S2. <i>Cell</i> , 2021, 184, 3936-3948.e10. | 28.9 | 241 |
| 7 | Germinal centre-driven maturation of B cell response to mRNA vaccination. <i>Nature</i> , 2022, 604, 141-145. | 27.8 | 198 |
| 8 | Human germinal centres engage memory and naive B cells after influenza vaccination. <i>Nature</i> , 2020, 586, 127-132. | 27.8 | 194 |
| 9 | A Potently Neutralizing Antibody Protects Mice against SARS-CoV-2 Infection. <i>Journal of Immunology</i> , 2020, 205, 915-922. | 0.8 | 186 |
| 10 | SARS-CoV-2 mRNA vaccination elicits a robust and persistent T follicular helper cell response in humans. <i>Cell</i> , 2022, 185, 603-613.e15. | 28.9 | 176 |
| 11 | Broadly protective human antibodies that target the active site of influenza virus neuraminidase. <i>Science</i> , 2019, 366, 499-504. | 12.6 | 162 |
| 12 | Allelic variants of OsHKT1;1 underlie the divergence between indica and japonica subspecies of rice (<i>Oryza sativa</i>) for root sodium content. <i>PLoS Genetics</i> , 2017, 13, e1006823. | 3.5 | 118 |
| 13 | PARC6, a novel chloroplast division factor, influences FtsZ assembly and is required for recruitment of PDV1 during chloroplast division in <i>Arabidopsis</i> . <i>Plant Journal</i> , 2009, 59, 700-711. | 5.7 | 107 |
| 14 | Rice Ovate Family Protein 2 (OFP2) alters hormonal homeostasis and vasculature development. <i>Plant Science</i> , 2015, 241, 177-188. | 3.6 | 106 |
| 15 | Plastid division: across time and space. <i>Current Opinion in Plant Biology</i> , 2008, 11, 577-584. | 7.1 | 91 |
| 16 | <i>Arabidopsis</i> FtsZ2-1 and FtsZ2-2 Are Functionally Redundant, But FtsZ-Based Plastid Division Is Not Essential for Chloroplast Partitioning or Plant Growth and Development. <i>Molecular Plant</i> , 2009, 2, 1211-1222. | 8.3 | 84 |
| 17 | Submergence-mediated submergence tolerance response in rice involves differential regulation of the brassinosteroid pathway. <i>New Phytologist</i> , 2013, 198, 1060-1070. | 7.3 | 84 |
| 18 | Genetic and Molecular Characterization of Submergence Response Identifies Subtol6 as a Major Submergence Tolerance Locus in Maize. <i>PLoS ONE</i> , 2015, 10, e0120385. | 2.5 | 66 |

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|----|---|------|-----------|
| 19 | Adjuvanted H5N1 influenza vaccine enhances both cross-reactive memory B cell and strain-specific naive B cell responses in humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 17957-17964. | 7.1 | 57 |
| 20 | A vaccine-induced public antibody protects against SARS-CoV-2 and emerging variants. <i>Immunity</i> , 2021, 54, 2159-2166.e6. | 14.3 | 52 |
| 21 | Chloroplast Division Protein ARC3 Regulates Chloroplast FtsZ-Ring Assembly and Positioning in <i>Arabidopsis</i> through Interaction with FtsZ2. <i>Plant Cell</i> , 2013, 25, 1787-1802. | 6.6 | 47 |
| 22 | Human Antibodies Targeting Influenza B Virus Neuraminidase Active Site Are Broadly Protective. <i>Immunity</i> , 2020, 53, 852-863.e7. | 14.3 | 46 |
| 23 | Polyclonal epitope mapping reveals temporal dynamics and diversity of human antibody responses to H5N1 vaccination. <i>Cell Reports</i> , 2021, 34, 108682. | 6.4 | 31 |
| 24 | Impaired Cellular Immune Responses During the First Week of Severe Acute Influenza Infection. <i>Journal of Infectious Diseases</i> , 2020, 222, 1235-1244. | 4.0 | 19 |
| 25 | Structural mechanism of SARS-CoV-2 neutralization by two murine antibodies targeting the RBD. <i>Cell Reports</i> , 2021, 37, 109881. | 6.4 | 14 |
| 26 | Evaluation of HIV-1 Latency Reversal and Antibody-Dependent Viral Clearance by Quantification of Singly Spliced HIV-1 <i>vpu</i> / <i>env</i> mRNA. <i>Journal of Virology</i> , 2021, 95, . | 3.4 | 9 |
| 27 | Protection Against Influenza B Viruses by Human Monoclonal Antibodies that Target the Neuraminidase Active Site. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |