

Frederick W Alt

List of Publications by Year in descending order

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papers

20,316
citations

18436

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15218

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136
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136
docs citations

136
times ranked

16128
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | An early haematopoietic defect in mice lacking the transcription factor GATA-2. <i>Nature</i> , 1994, 371, 221-226. | 13.7 | 1,314 |
| 2 | Plasma cell differentiation requires the transcription factor XBP-1. <i>Nature</i> , 2001, 412, 300-307. | 13.7 | 1,146 |
| 3 | Transcription-targeted DNA deamination by the AID antibody diversification enzyme. <i>Nature</i> , 2003, 422, 726-730. | 13.7 | 681 |
| 4 | Preferential utilization of the most JH-proximal VH gene segments in pre-B-cell lines. <i>Nature</i> , 1984, 311, 727-733. | 13.7 | 654 |
| 5 | A Critical Role for DNA End-Joining Proteins in Both Lymphogenesis and Neurogenesis. <i>Cell</i> , 1998, 95, 891-902. | 13.5 | 622 |
| 6 | Genome-wide detection of DNA double-stranded breaks induced by engineered nucleases. <i>Nature Biotechnology</i> , 2015, 33, 179-186. | 9.4 | 590 |
| 7 | Interplay of p53 and DNA-repair protein XRCC4 in tumorigenesis, genomic stability and development. <i>Nature</i> , 2000, 404, 897-900. | 13.7 | 541 |
| 8 | IgH class switching and translocations use a robust non-classical end-joining pathway. <i>Nature</i> , 2007, 449, 478-482. | 13.7 | 523 |
| 9 | Late embryonic lethality and impaired V (D)J recombination in mice lacking DNA ligase IV. <i>Nature</i> , 1998, 396, 173-177. | 13.7 | 520 |
| 10 | Insertion of N regions into heavy-chain genes is correlated with expression of terminal deoxyltransferase in B cells. <i>Nature</i> , 1984, 311, 752-755. | 13.7 | 517 |
| 11 | MECHANISM AND CONTROL OF V(D)J RECOMBINATION AT THE IMMUNOGLOBULIN HEAVY CHAIN LOCUS. <i>Annual Review of Immunology</i> , 2006, 24, 541-570. | 9.5 | 502 |
| 12 | DNA Ligase IV Deficiency in Mice Leads to Defective Neurogenesis and Embryonic Lethality via the p53 Pathway. <i>Molecular Cell</i> , 2000, 5, 993-1002. | 4.5 | 457 |
| 13 | Introduced T cell receptor variable region gene segments recombine in pre-B cells: Evidence that B and T cells use a common recombinase. <i>Cell</i> , 1986, 44, 251-259. | 13.5 | 455 |
| 14 | Regulation of Genome Rearrangement Events during Lymphocyte Differentiation. <i>Immunological Reviews</i> , 1986, 89, 5-30. | 2.8 | 425 |
| 15 | A functional T3 molecule associated with a novel heterodimer on the surface of immature human thymocytes. <i>Nature</i> , 1986, 322, 179-181. | 13.7 | 423 |
| 16 | Growth Retardation and Leaky SCID Phenotype of Ku70-Deficient Mice. <i>Immunity</i> , 1997, 7, 653-665. | 6.6 | 414 |
| 17 | Genome-wide Translocation Sequencing Reveals Mechanisms of Chromosome Breaks and Rearrangements in B Cells. <i>Cell</i> , 2011, 147, 107-119. | 13.5 | 411 |
| 18 | Mechanisms of Programmed DNA Lesions and Genomic Instability in the Immune System. <i>Cell</i> , 2013, 152, 417-429. | 13.5 | 407 |

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|----|--|------|-----------|
| 19 | Unrepaired DNA Breaks in p53-Deficient Cells Lead to Oncogenic Gene Amplification Subsequent to Translocations. <i>Cell</i> , 2002, 109, 811-821. | 13.5 | 395 |
| 20 | Defective signalling through the T- and B-cell antigen receptors in lymphoid cells lacking the <i>vav</i> proto-oncogene. <i>Nature</i> , 1995, 374, 470-473. | 13.7 | 390 |
| 21 | Increased T-cell apoptosis and terminal B-cell differentiation induced by inactivation of the <i>Ets-1</i> proto-oncogene. <i>Nature</i> , 1995, 377, 635-638. | 13.7 | 314 |
| 22 | DNA double strand break repair and chromosomal translocation: Lessons from animal models. <i>Oncogene</i> , 2001, 20, 5572-5579. | 2.6 | 303 |
| 23 | Telomere dysfunction impairs DNA repair and enhances sensitivity to ionizing radiation. <i>Nature Genetics</i> , 2000, 26, 85-88. | 9.4 | 297 |
| 24 | ACCESSIBILITY CONTROL OF ANTIGEN-RECEPTOR VARIABLE-REGION GENE ASSEMBLY: Role of cis-Acting Elements. <i>Annual Review of Immunology</i> , 1996, 14, 459-481. | 9.5 | 287 |
| 25 | The cellular response to general and programmed DNA double strand breaks. <i>DNA Repair</i> , 2004, 3, 781-796. | 1.3 | 279 |
| 26 | Novel immunoglobulin heavy chains are produced from DJH gene segment rearrangements in lymphoid cells. <i>Nature</i> , 1984, 312, 418-423. | 13.7 | 276 |
| 27 | Human N-myc is closely related in organization and nucleotide sequence to c-myc. <i>Nature</i> , 1986, 319, 73-77. | 13.7 | 254 |
| 28 | CTCF-binding elements mediate control of V(D)J recombination. <i>Nature</i> , 2011, 477, 424-430. | 13.7 | 251 |
| 29 | SIRT7 Represses Myc Activity to Suppress ER Stress and Prevent Fatty Liver Disease. <i>Cell Reports</i> , 2013, 5, 654-665. | 2.9 | 241 |
| 30 | Long Neural Genes Harbor Recurrent DNA Break Clusters in Neural Stem/Progenitor Cells. <i>Cell</i> , 2016, 164, 644-655. | 13.5 | 225 |
| 31 | Convergent Transcription at Intragenic Super-Enhancers Targets AID-Initiated Genomic Instability. <i>Cell</i> , 2014, 159, 1538-1548. | 13.5 | 221 |
| 32 | Detecting DNA double-stranded breaks in mammalian genomes by linear amplification-mediated high-throughput genome-wide translocation sequencing. <i>Nature Protocols</i> , 2016, 11, 853-871. | 5.5 | 213 |
| 33 | Induction of HIV Neutralizing Antibody Lineages in Mice with Diverse Precursor Repertoires. <i>Cell</i> , 2016, 166, 1471-1484.e18. | 13.5 | 198 |
| 34 | CD3 μ -mediated signals rescue the development of CD4 ⁺ CD8 ⁺ thymocytes in RAG-2 ^{-/-} mice in the absence of TCR β chain expression. <i>International Immunology</i> , 1994, 6, 995-1001. | 1.8 | 194 |
| 35 | Function of the TCR β Enhancer in β ⁺ and β ⁻ T Cells. <i>Immunity</i> , 1997, 7, 505-515. | 6.6 | 191 |
| 36 | S-S Synapsis during Class Switch Recombination Is Promoted by Distantly Located Transcriptional Elements and Activation-Induced Deaminase. <i>Immunity</i> , 2007, 27, 711-722. | 6.6 | 184 |

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|----|--|------|-----------|
| 37 | Alternative end-joining catalyzes robust IgH locus deletions and translocations in the combined absence of ligase 4 and Ku70. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3034-3039. | 3.3 | 168 |
| 38 | Elucidation of IgH intronic enhancer functions via germ-line deletion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14362-14367. | 3.3 | 165 |
| 39 | Alternative end-joining catalyzes class switch recombination in the absence of both Ku70 and DNA ligase 4. <i>Journal of Experimental Medicine</i> , 2010, 207, 417-427. | 4.2 | 161 |
| 40 | RAG2:GFP Knockin Mice Reveal Novel Aspects of RAG2 Expression in Primary and Peripheral Lymphoid Tissues. <i>Immunity</i> , 1999, 11, 201-212. | 6.6 | 157 |
| 41 | AID expression levels determine the extent of <i>cMyc</i> oncogenic translocations and the incidence of B cell tumor development. <i>Journal of Experimental Medicine</i> , 2008, 205, 1949-1957. | 4.2 | 140 |
| 42 | Chromosomal Loop Domains Direct the Recombination of Antigen Receptor Genes. <i>Cell</i> , 2015, 163, 947-959. | 13.5 | 140 |
| 43 | Sequence-Intrinsic Mechanisms that Target AID Mutational Outcomes on Antibody Genes. <i>Cell</i> , 2015, 163, 1124-1137. | 13.5 | 136 |
| 44 | AID Recognizes Structured DNA for Class Switch Recombination. <i>Molecular Cell</i> , 2017, 67, 361-373.e4. | 4.5 | 136 |
| 45 | A systematic analysis of recombination activity and genotype-phenotype correlation in human recombination-activating gene 1 deficiency. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 133, 1099-1108.e12. | 1.5 | 132 |
| 46 | Flexible Long-Range Loops in the VH Gene Region of the Igh Locus Facilitate the Generation of a Diverse Antibody Repertoire. <i>Immunity</i> , 2013, 39, 229-244. | 6.6 | 130 |
| 47 | The fundamental role of chromatin loop extrusion in physiological V(D)J recombination. <i>Nature</i> , 2019, 573, 600-604. | 13.7 | 126 |
| 48 | eccDNAs are apoptotic products with high innate immunostimulatory activity. <i>Nature</i> , 2021, 599, 308-314. | 13.7 | 121 |
| 49 | Mechanism of tandem duplication formation in BRCA1-mutant cells. <i>Nature</i> , 2017, 551, 590-595. | 13.7 | 118 |
| 50 | Targeted selection of HIV-specific antibody mutations by engineering B cell maturation. <i>Science</i> , 2019, 366, . | 6.0 | 118 |
| 51 | Robust chromosomal DNA repair via alternative end-joining in the absence of X-ray repair cross-complementing protein 1 (XRCC1). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2473-2478. | 3.3 | 106 |
| 52 | Phosphatidylinositol 3-kinase $\hat{\imath}$ blockade increases genomic instability in B cells. <i>Nature</i> , 2017, 542, 489-493. | 13.7 | 105 |
| 53 | Fundamental roles of chromatin loop extrusion in antibody class switching. <i>Nature</i> , 2019, 575, 385-389. | 13.7 | 105 |
| 54 | CTCF-Binding Elements Mediate Accessibility of RAG Substrates During Chromatin Scanning. <i>Cell</i> , 2018, 174, 102-116.e14. | 13.5 | 100 |

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|----|---|------|-----------|
| 55 | Orientation-specific joining of AID-initiated DNA breaks promotes antibody class switching. <i>Nature</i> , 2015, 525, 134-139. | 13.7 | 93 |
| 56 | Antibody Class Switching Mediated by Yeast Endonuclease-Generated DNA Breaks. <i>Science</i> , 2007, 315, 377-381. | 6.0 | 92 |
| 57 | PAXX and XLF DNA repair factors are functionally redundant in joining DNA breaks in a G1-arrested progenitor B-cell line. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10619-10624. | 3.3 | 88 |
| 58 | Transcription-associated processes cause DNA double-strand breaks and translocations in neural stem/progenitor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2258-2263. | 3.3 | 88 |
| 59 | CTCF orchestrates long-range cohesin-driven V(D)J recombinational scanning. <i>Nature</i> , 2020, 586, 305-310. | 13.7 | 82 |
| 60 | Internal IgH class switch region deletions are position-independent and enhanced by AID expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9984-9989. | 3.3 | 81 |
| 61 | Highly sensitive and unbiased approach for elucidating antibody repertoires. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7846-7851. | 3.3 | 77 |
| 62 | DNA double-strand breaks as drivers of neural genomic change, function, and disease. <i>DNA Repair</i> , 2018, 71, 158-163. | 1.3 | 75 |
| 63 | Related Mechanisms of Antibody Somatic Hypermutation and Class Switch Recombination. <i>Microbiology Spectrum</i> , 2015, 3, MDNA3-0037-2014. | 1.2 | 73 |
| 64 | An Oncogenic Role for Alternative NF- κ B Signaling in DLBCL Revealed upon Deregulated BCL6 Expression. <i>Cell Reports</i> , 2015, 11, 715-726. | 2.9 | 66 |
| 65 | Defective DNA damage repair leads to frequent catastrophic genomic events in murine and human tumors. <i>Nature Communications</i> , 2018, 9, 4760. | 5.8 | 66 |
| 66 | Loop extrusion mediates physiological Igh locus contraction for RAG scanning. <i>Nature</i> , 2021, 590, 338-343. | 13.7 | 66 |
| 67 | BCR selection and affinity maturation in Peyer's patch germinal centres. <i>Nature</i> , 2020, 582, 421-425. | 13.7 | 65 |
| 68 | The role of short homology repeats and TdT in generation of the invariant β antigen receptor repertoire in the fetal thymus. <i>Immunity</i> , 1995, 3, 439-447. | 6.6 | 61 |
| 69 | CTCF-binding elements 1 and 2 in the <i>Igh</i> intergenic control region cooperatively regulate V(D)J recombination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1815-1820. | 3.3 | 61 |
| 70 | Increased Neural Progenitor Proliferation in a hiPSC Model of Autism Induces Replication Stress-Associated Genome Instability. <i>Cell Stem Cell</i> , 2020, 26, 221-233.e6. | 5.2 | 61 |
| 71 | Developmental Regulation of TCR Locus Accessibility and Expression by the TCR Enhancer. <i>Immunity</i> , 1999, 10, 503-513. | 6.6 | 60 |
| 72 | DNA double-strand break response factors influence end-joining features of IgH class switch and general translocation junctions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 762-767. | 3.3 | 58 |

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|----|---|------|-----------|
| 73 | Functional overlaps between XLF and the ATM-dependent DNA double strand break response. <i>DNA Repair</i> , 2014, 16, 11-22. | 1.3 | 56 |
| 74 | Myc family of cellular oncogenes. <i>Journal of Cellular Biochemistry</i> , 1987, 33, 257-266. | 1.2 | 52 |
| 75 | Antigen-Independent Appearance of Recombination Activating Gene (Rag)-Positive Bone Marrow B Cells in the Spleens of Immunized Mice. <i>Journal of Experimental Medicine</i> , 2000, 192, 1745-1754. | 4.2 | 52 |
| 76 | RAG Chromatin Scanning During V(D)J Recombination and Chromatin Loop Extrusion are Related Processes. <i>Advances in Immunology</i> , 2018, 139, 93-135. | 1.1 | 50 |
| 77 | The role of chromatin loop extrusion in antibody diversification. <i>Nature Reviews Immunology</i> , 2022, 22, 550-566. | 10.6 | 50 |
| 78 | VH to VHDJH rearrangement is mediated by the internal VH heptamer. <i>International Immunology</i> , 1990, 2, 579-583. | 1.8 | 48 |
| 79 | IL-2 receptor β chain expression during early B lymphocyte differentiation. <i>International Immunology</i> , 1994, 6, 1265-1268. | 1.8 | 48 |
| 80 | Evolution of Phosphorylation-Dependent Regulation of Activation-Induced Cytidine Deaminase. <i>Molecular Cell</i> , 2008, 32, 285-291. | 4.5 | 43 |
| 81 | Sequence intrinsic somatic mutation mechanisms contribute to affinity maturation of VRC01-class HIV-1 broadly neutralizing antibodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 8614-8619. | 3.3 | 42 |
| 82 | DNA melting initiates the RAG catalytic pathway. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 732-742. | 3.6 | 40 |
| 83 | The Ig heavy chain intronic enhancer core region is necessary and sufficient to promote efficient class switch recombination. <i>International Immunology</i> , 1999, 11, 1709-1713. | 1.8 | 38 |
| 84 | Orientation-specific RAG activity in chromosomal loop domains contributes to γ V(D)J recombination during T cell development. <i>Journal of Experimental Medicine</i> , 2016, 213, 1921-1936. | 4.2 | 38 |
| 85 | Neural blastocyst complementation enables mouse forebrain organogenesis. <i>Nature</i> , 2018, 563, 126-130. | 13.7 | 38 |
| 86 | Generation of normal lymphocyte populations by Rb-deficient embryonic stem cells. <i>Current Biology</i> , 1993, 3, 405-413. | 1.8 | 37 |
| 87 | Human Ig knockin mice to study the development and regulation of β broadly neutralizing antibodies. <i>Immunological Reviews</i> , 2017, 275, 89-107. | 2.8 | 37 |
| 88 | Three classes of recurrent DNA break clusters in brain progenitors identified by 3D proximity-based break joining assay. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1919-1924. | 3.3 | 36 |
| 89 | Vaccination induces maturation in a mouse model of diverse unmutated VRC01-class precursors to HIV-neutralizing antibodies with \geq 50% breadth. <i>Immunity</i> , 2021, 54, 324-339.e8. | 6.6 | 36 |
| 90 | Developmental propagation of V(D)J recombination-associated DNA breaks and translocations in mature B cells via dicentric chromosomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10269-10274. | 3.3 | 32 |

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|-----|--|------|-----------|
| 91 | Repertoires of Antigen Receptors in Tdt Congenitally Deficient Mice. <i>International Reviews of Immunology</i> , 1996, 13, 317-325. | 1.5 | 31 |
| 92 | T cell receptor (TCR) α/α locus enhancer identity and position are critical for the assembly of TCR α and β variable region genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 2598-2603. | 3.3 | 31 |
| 93 | Downstream class switching leads to IgE antibody production by B lymphocytes lacking IgM switch regions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3040-3045. | 3.3 | 30 |
| 94 | Immune checkpoint modulation enhances HIV-1 antibody induction. <i>Nature Communications</i> , 2020, 11, 948. | 5.8 | 27 |
| 95 | Diversity of immunoglobulin heavy chain gene segment rearrangement in B lymphoblastoid cell lines from X-linked agammaglobulinemia patients. <i>European Journal of Immunology</i> , 1991, 21, 2355-2363. | 1.6 | 24 |
| 96 | Sequential activation and distinct functions for distal and proximal modules within the IgH $3\alpha\epsilon^2$ regulatory region. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1618-1623. | 3.3 | 24 |
| 97 | Kinase-dependent structural role of DNA-PKcs during immunoglobulin class switch recombination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8615-8620. | 3.3 | 23 |
| 98 | mRNA-encoded HIV-1 Env trimer ferritin nanoparticles induce monoclonal antibodies that neutralize heterologous HIV-1 isolates in mice. <i>Cell Reports</i> , 2022, 38, 110514. | 2.9 | 23 |
| 99 | Synthetic lethality between murine DNA repair factors XLF and DNA-PKcs is rescued by inactivation of Ku70. <i>DNA Repair</i> , 2017, 57, 133-138. | 1.3 | 21 |
| 100 | Ku70 suppresses alternative end joining in G1-arrested progenitor B cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 21 |
| 101 | Productive Coupling of Accessible VH^214 Segments and DJH^2 Complexes Determines the Frequency of VH^214 Rearrangement. <i>Journal of Immunology</i> , 2008, 180, 2339-2346. | 0.4 | 20 |
| 102 | An Ectopic CTCF Binding Element Inhibits λ Tcrd λ Rearrangement by Limiting Contact between VH^1 and DJ^1 Gene Segments. <i>Journal of Immunology</i> , 2016, 197, 3188-3197. | 0.4 | 20 |
| 103 | Human Heavy Chain Variable Region Gene Diversity, Organization, and Expression. <i>International Reviews of Immunology</i> , 1990, 5, 203-214. | 1.5 | 19 |
| 104 | Mechanisms That Can Promote Peripheral B-cell Lymphoma in ATM-Deficient Mice. <i>Cancer Immunology Research</i> , 2014, 2, 857-866. | 1.6 | 17 |
| 105 | Physiological role of the $3\alpha\epsilon^2$ IgH CBEs super-anchor in antibody class switching. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 16 |
| 106 | Topoisomerase I inhibition and peripheral nerve injury induce DNA breaks and ATF3-associated axon regeneration in sensory neurons. <i>Cell Reports</i> , 2021, 36, 109666. | 2.9 | 16 |
| 107 | Immunology: Exclusive immunoglobulin genes. <i>Nature</i> , 1984, 312, 502-503. | 13.7 | 15 |
| 108 | RNA editing meets DNA shuffling. <i>Nature</i> , 2000, 407, 31-33. | 13.7 | 15 |

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|-----|---|------|-----------|
| 109 | Gene Expression in Renal Growth and Regrowth. <i>Journal of Urology</i> , 1988, 140, 1145-1148. | 0.2 | 14 |
| 110 | Aberrant TCR β rearrangement underlies the T-cell lymphocytopenia and t(12;14) translocation associated with ATM deficiency. <i>Blood</i> , 2015, 125, 2665-2668. | 0.6 | 14 |
| 111 | Histone methyltransferase MMSET promotes AID-mediated DNA breaks at the donor switch region during class switch recombination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10560-E10567. | 3.3 | 13 |
| 112 | Induction of recurrent break cluster genes in neural progenitor cells differentiated from embryonic stem cells in culture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10541-10546. | 3.3 | 13 |
| 113 | Ig Enhancers Increase RNA Polymerase II Stalling at Somatic Hypermutation Target Sequences. <i>Journal of Immunology</i> , 2022, 208, 143-154. | 0.4 | 13 |
| 114 | Vav Family Proteins Couple to Diverse Cell Surface Receptors. <i>Molecular and Cellular Biology</i> , 2000, 20, 6364-6373. | 1.1 | 12 |
| 115 | Parp3 promotes long-range end joining in murine cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10076-10081. | 3.3 | 11 |
| 116 | Antibody diversity: New mechanism revealed. <i>Nature</i> , 1986, 322, 772-773. | 13.7 | 10 |
| 117 | Conditional antibody expression to avoid central B cell deletion in humanized HIV-1 vaccine mouse models. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7929-7940. | 3.3 | 10 |
| 118 | Recurrently Breaking Genes in Neural Progenitors: Potential Roles of DNA Breaks in Neuronal Function, Degeneration and Cancer. <i>Research and Perspectives in Neurosciences</i> , 2017, , 63-72. | 0.4 | 7 |
| 119 | SHLD1 is dispensable for 53BP1-dependent V(D)J recombination but critical for productive class switch recombination. <i>Nature Communications</i> , 2022, 13, . | 5.8 | 7 |
| 120 | NHEJ and Other Repair Factors in V(D)J Recombination. , 2016, , 107-114. | | 5 |
| 121 | C-terminal deletion-induced condensation sequesters AID from IgH targets in immunodeficiency. <i>EMBO Journal</i> , 2022, 41, e109324. | 3.5 | 5 |
| 122 | Direct analysis of brain phenotypes via neural blastocyst complementation. <i>Nature Protocols</i> , 2020, 15, 3154-3181. | 5.5 | 4 |
| 123 | Reprint of "Functional overlaps between XLF and the ATM-dependent DNA double strand break response". <i>DNA Repair</i> , 2014, 17, 52-63. | 1.3 | 3 |
| 124 | A Rapid Embryonic Stem Cell-Based Mouse Model for B-cell Lymphomas Driven by Epstein-Barr Virus Protein LMP1. <i>Cancer Immunology Research</i> , 2015, 3, 641-649. | 1.6 | 3 |
| 125 | An in vivo method for diversifying the functions of therapeutic antibodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 3 |
| 126 | Related Mechanisms of Antibody Somatic Hypermutation and Class Switch Recombination. , 0, , 325-348. | | 3 |

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|-----|---|-----|-----------|
| 127 | Activating Notch1 Mutations in Mouse Models of T-ALL.. Blood, 2005, 106, 2609-2609. | 0.6 | 2 |
| 128 | PI3Kdelta Inhibitors Increase Genomic Instability By Upregulating Aid Expression. Blood, 2015, 126, 164-164. | 0.6 | 1 |
| 129 | From gene amplification to V(D)J recombination and back: A personal account of my early years in B cell biology. European Journal of Immunology, 2007, 37, S138-S147. | 1.6 | 0 |
| 130 | Guiding a mutator in antibody diversification. Cell Research, 2018, 28, 963-964. | 5.7 | 0 |
| 131 | The BCL11B Tumor Suppressor Is Mutated In Human T-Cell Acute Lymphoblastic Leukemia. Blood, 2010, 116, 4177-4177. | 0.6 | 0 |