

Jamie Rossjohn

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

474
papers

30,441
citations

96
h-index

151
g-index

516
ext. papers

36,637
ext. citations

13.1
avg, IF

6.89
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 474 | Structural basis of T cell receptor specificity and cross-reactivity of two HLA-DQ2.5-restricted gluten epitopes in celiac disease.. <i>Journal of Biological Chemistry</i> , 2022 , 101619 | 5.4 | 0 |
| 473 | Binding Studies of the Prodrug HAO472 to SARS-Cov-2 Nsp9 and Variants.. <i>ACS Omega</i> , 2022 , 7, 7327-7333 | 3.9 | 2 |
| 472 | HLA-A*11:01-restricted CD8+ T cell immunity against influenza A and influenza B viruses in Indigenous and non-Indigenous people.. <i>PLoS Pathogens</i> , 2022 , 18, e1010337 | 7.6 | 1 |
| 471 | Crystal structures of pertussis toxin with NAD and analogs provide structural insights into the mechanism of its cytosolic ADP-ribosylation activity.. <i>Journal of Biological Chemistry</i> , 2022 , 101892 | 5.4 | |
| 470 | Structural bases of T cell antigen receptor recognition in celiac disease.. <i>Current Opinion in Structural Biology</i> , 2022 , 74, 102349 | 8.1 | 0 |
| 469 | Transcriptional profiling of human V α T cells reveals a pathogen-driven adaptive differentiation program. <i>Cell Reports</i> , 2022 , 39, 110858 | 10.6 | 1 |
| 468 | Recognition of the antigen-presenting molecule MR1 by a V β T cell receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118, | 11.5 | 1 |
| 467 | Host immunomodulatory lipids created by symbionts from dietary amino acids. <i>Nature</i> , 2021 , 600, 302-307 | 37.4 | 12 |
| 466 | Repeated infection in humans drives the clonal expansion of an adaptive T cell repertoire. <i>Science Translational Medicine</i> , 2021 , 13, eabe7430 | 17.5 | 4 |
| 465 | Varicella zoster virus impairs expression of the non-classical major histocompatibility complex class I-related gene protein (MR1). <i>Journal of Infectious Diseases</i> , 2021 , | 7 | 1 |
| 464 | A natural product compound inhibits coronaviral replication in vitro by binding to the conserved Nsp9 SARS-CoV-2 protein. <i>Journal of Biological Chemistry</i> , 2021 , 297, 101362 | 5.4 | 8 |
| 463 | Nfkb2 variants reveal a p100-degradation threshold that defines autoimmune susceptibility. <i>Journal of Experimental Medicine</i> , 2021 , 218, | 16.6 | 5 |
| 462 | The molecular assembly of the marsupial T cell receptor defines a third T cell lineage. <i>Science</i> , 2021 , 371, 1383-1388 | 33.3 | 6 |
| 461 | Structural plasticity of KIR2DL2 and KIR2DL3 enables altered docking geometries atop HLA-C. <i>Nature Communications</i> , 2021 , 12, 2173 | 17.4 | 3 |
| 460 | Katharina Gaus 1972-2021. <i>Nature Immunology</i> , 2021 , 22, 535-536 | 19.1 | |
| 459 | Carbamazepine Induces Focused T Cell Responses in Resolved Stevens-Johnson Syndrome and Toxic Epidermal Necrolysis Cases But Does Not Perturb the Immunopeptidome for T Cell Recognition. <i>Frontiers in Immunology</i> , 2021 , 12, 653710 | 8.4 | 1 |
| 458 | The shared susceptibility epitope of HLA-DR4 binds citrullinated self-antigens and the TCR. <i>Science Immunology</i> , 2021 , 6, | 28 | 3 |

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| 457 | CD8 T cell landscape in Indigenous and non-Indigenous people restricted by influenza mortality-associated HLA-A*24:02 allomorph. <i>Nature Communications</i> , 2021 , 12, 2931 | 17.4 | 4 |
| 456 | Immune cellular networks underlying recovery from influenza virus infection in acute hospitalized patients. <i>Nature Communications</i> , 2021 , 12, 2691 | 17.4 | 8 |
| 455 | CD1a selectively captures endogenous cellular lipids that broadly block T cell response. <i>Journal of Experimental Medicine</i> , 2021 , 218, | 16.6 | 1 |
| 454 | CD8 T cells specific for an immunodominant SARS-CoV-2 nucleocapsid epitope display high naive precursor frequency and TCR promiscuity. <i>Immunity</i> , 2021 , 54, 1066-1082.e5 | 32.3 | 34 |
| 453 | SARS-CoV-2-specific CD8 T-cell responses and TCR signatures in the context of a prominent HLA-A*24:02 allomorph. <i>Immunology and Cell Biology</i> , 2021 , 99, 990-1000 | 5 | 4 |
| 452 | Canonical T cell receptor docking on peptide-MHC is essential for T cell signaling. <i>Science</i> , 2021 , 372, | 33.3 | 8 |
| 451 | <i>Francisella tularensis</i> induces Th1 like MAIT cells conferring protection against systemic and local infection. <i>Nature Communications</i> , 2021 , 12, 4355 | 17.4 | 4 |
| 450 | Growth Hormone Stops Excessive Inflammation After Partial Hepatectomy, Allowing Liver Regeneration and Survival Through Induction of H2-BI/HLA-G. <i>Hepatology</i> , 2021 , 73, 759-775 | 11.2 | 13 |
| 449 | Reply. <i>Hepatology</i> , 2021 , 73, 1239 | 11.2 | |
| 448 | Anthem: a user customised tool for fast and accurate prediction of binding between peptides and HLA class I molecules. <i>Briefings in Bioinformatics</i> , 2021 , 22, | 13.4 | 7 |
| 447 | Human skin is colonized by T cells that recognize CD1a independently of lipid. <i>Journal of Clinical Investigation</i> , 2021 , 131, | 15.9 | 10 |
| 446 | Mucosal-Associated Invariant T Cell Effector Function Is an Intrinsic Cell Property That Can Be Augmented by the Metabolic Cofactor β -Ketoglutarate. <i>Journal of Immunology</i> , 2021 , 206, 1425-1435 | 5.3 | 2 |
| 445 | A multilayered immune system through the lens of unconventional T cells. <i>Nature</i> , 2021 , 595, 501-510 | 50.4 | 9 |
| 444 | A high-affinity human TCR-like antibody detects celiac disease gluten peptide-MHC complexes and inhibits T cell activation. <i>Science Immunology</i> , 2021 , 6, | 28 | 3 |
| 443 | T cell receptor recognition of hybrid insulin peptides bound to HLA-DQ8. <i>Nature Communications</i> , 2021 , 12, 5110 | 17.4 | 3 |
| 442 | Our evolving understanding of the role of the Γ cell receptor in Γ cell mediated immunity. <i>Biochemical Society Transactions</i> , 2021 , 49, 1985-1995 | 5.1 | 2 |
| 441 | Elucidating the Motif for CpG Oligonucleotide Binding to the Dendritic Cell Receptor DEC-205 Leads to Improved Adjuvants for Liver-Resident Memory. <i>Journal of Immunology</i> , 2021 , 207, 1836-1847 | 5.3 | 0 |
| 440 | Rational design of a hydrolysis-resistant mycobacterial phosphoglycolipid antigen presented by CD1c to T cells. <i>Journal of Biological Chemistry</i> , 2021 , 297, 101197 | 5.4 | 0 |

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|-----|---|------|-----|
| 439 | Structural basis of biased T cell receptor recognition of an immunodominant HLA-A2 epitope of the SARS-CoV-2 spike protein. <i>Journal of Biological Chemistry</i> , 2021 , 297, 101065 | 5.4 | 2 |
| 438 | Binding of a pyrimidine RNA base-mimic to SARS-CoV-2 nonstructural protein 9. <i>Journal of Biological Chemistry</i> , 2021 , 297, 101018 | 5.4 | 4 |
| 437 | The cryo-EM structure of the endocytic receptor DEC-205. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100127 | 5.4 | 3 |
| 436 | The Role of the HLA Class I α Helix in Determining Ligand Hierarchy for the Killer Cell Ig-like Receptor 3DL1. <i>Journal of Immunology</i> , 2021 , 206, 849-860 | 5.3 | 3 |
| 435 | SARS-CoV-2 mRNA vaccination elicits a robust and persistent T follicular helper cell response in humans.. <i>Cell</i> , 2021 , | 56.2 | 22 |
| 434 | Evaluation of a fit-for-purpose assay to monitor antigen-specific functional CD4+ T cell subpopulations in rheumatoid arthritis using flow-cytometry based peptide-MHC class-II tetramer staining.. <i>Clinical and Experimental Immunology</i> , 2021 , | 6.2 | 1 |
| 433 | Ligand-dependent downregulation of MR1 cell surface expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 10465-10475 | 11.5 | 21 |
| 432 | The molecular basis of how buried human leukocyte antigen polymorphism modulates natural killer cell function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 11636-11647 | 11.5 | 7 |
| 431 | Preferential HLA-B27 Allorecognition Displayed by Multiple Cross-Reactive Antiviral CD8 T Cell Receptors. <i>Frontiers in Immunology</i> , 2020 , 11, 248 | 8.4 | 2 |
| 430 | Effects of a local auxiliary protein on the two-dimensional affinity of a TCR-peptide MHC interaction. <i>Journal of Cell Science</i> , 2020 , 133, | 5.3 | 5 |
| 429 | Human Mucosal-Associated Invariant T Cells in Older Individuals Display Expanded TCR β Clonotypes with Potent Antimicrobial Responses. <i>Journal of Immunology</i> , 2020 , 204, 1119-1133 | 5.3 | 20 |
| 428 | β Glucuronosyl and β glucosyl diacylglycerides, natural killer T cell-activating lipids from bacteria and fungi. <i>Chemical Science</i> , 2020 , 11, 2161-2168 | 9.4 | 5 |
| 427 | The molecular basis underpinning the potency and specificity of MAIT cell antigens. <i>Nature Immunology</i> , 2020 , 21, 400-411 | 19.1 | 22 |
| 426 | Virus-Mediated Suppression of the Antigen Presentation Molecule MR1. <i>Cell Reports</i> , 2020 , 30, 2948-2962.e4 | 6.4 | 15 |
| 425 | A molecular basis for the T cell response in HLA-DQ2.2 mediated celiac disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 3063-3073 | 11.5 | 20 |
| 424 | Genome-wide CRISPR-Cas9 screening reveals ubiquitous T cell cancer targeting via the monomorphic MHC class I-related protein MR1. <i>Nature Immunology</i> , 2020 , 21, 178-185 | 19.1 | 104 |
| 423 | Challenges, Progress, and Prospects of Developing Therapies to Treat Autoimmune Diseases. <i>Cell</i> , 2020 , 181, 63-80 | 56.2 | 44 |
| 422 | Peripheral Blood Mucosal-Associated Invariant T Cells in Tuberculosis Patients and Healthy Mycobacterium tuberculosis-Exposed Controls. <i>Journal of Infectious Diseases</i> , 2020 , 222, 995-1007 | 7 | 13 |

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|-----------------|--|------|----|
| 4 ²¹ | T cell receptor cross-reactivity between gliadin and bacterial peptides in celiac disease. <i>Nature Structural and Molecular Biology</i> , 2020 , 27, 49-61 | 17.6 | 55 |
| 4 ²⁰ | Modulation of innate and adaptive immunity by cytomegaloviruses. <i>Nature Reviews Immunology</i> , 2020 , 20, 113-127 | 36.5 | 38 |
| 4 ¹⁹ | Human T cell response to CD1a and contact dermatitis allergens in botanical extracts and commercial skin care products. <i>Science Immunology</i> , 2020 , 5, | 28 | 16 |
| 4 ¹⁸ | Crystal Structure of the SARS-CoV-2 Non-structural Protein 9, Nsp9. <i>IScience</i> , 2020 , 23, 101258 | 6.1 | 95 |
| 4 ¹⁷ | Absence of mucosal-associated invariant T cells in a person with a homozygous point mutation in. <i>Science Immunology</i> , 2020 , 5, | 28 | 19 |
| 4 ¹⁶ | HLA-B*27:05 alters immunodominance hierarchy of universal influenza-specific CD8+ T cells. <i>PLoS Pathogens</i> , 2020 , 16, e1008714 | 7.6 | 3 |
| 4 ¹⁵ | Mucosal-associated invariant T cells promote inflammation and intestinal dysbiosis leading to metabolic dysfunction during obesity. <i>Nature Communications</i> , 2020 , 11, 3755 | 17.4 | 36 |
| 4 ¹⁴ | Atypical TRAV1-2 T cell receptor recognition of the antigen-presenting molecule MR1. <i>Journal of Biological Chemistry</i> , 2020 , 295, 14445-14457 | 5.4 | 5 |
| 4 ¹³ | Overlapping Peptides Elicit Distinct CD8 T Cell Responses following Influenza A Virus Infection. <i>Journal of Immunology</i> , 2020 , 205, 1731-1742 | 5.3 | 4 |
| 4 ¹² | Human Γ cells recognize CD1b by two distinct mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 22944-22952 | 11.5 | 13 |
| 4 ¹¹ | Cytomegalovirus replication is associated with enrichment of distinct Γ cell subsets following lung transplantation: A novel therapeutic approach?. <i>Journal of Heart and Lung Transplantation</i> , 2020 , 39, 1300-1312 | 5.8 | 1 |
| 4 ¹⁰ | Endoplasmic reticulum chaperones stabilize ligand-receptive MR1 molecules for efficient presentation of metabolite antigens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 24974-24985 | 11.5 | 13 |
| 4 ⁰⁹ | The oligomeric assembly of galectin-11 is critical for anti-parasitic activity in sheep (<i>Ovis aries</i>). <i>Communications Biology</i> , 2020 , 3, 464 | 6.7 | 2 |
| 4 ⁰⁸ | A single-domain bispecific antibody targeting CD1d and the NKT T-cell receptor induces a potent antitumor response.. <i>Nature Cancer</i> , 2020 , 1, 1054-1065 | 15.4 | 8 |
| 4 ⁰⁷ | Suboptimal SARS-CoV-2-specific CD8 T cell response associated with the prominent HLA-A*02:01 phenotype. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 24384-24391 | 11.5 | 92 |
| 4 ⁰⁶ | A Shared TCR Bias toward an Immunogenic EBV Epitope Dominates in HLA-B*07:02-Expressing Individuals. <i>Journal of Immunology</i> , 2020 , 205, 1524-1534 | 5.3 | 6 |
| 4 ⁰⁵ | Tetramer Immunization and Selection Followed by CELLISA Screening to Generate Monoclonal Antibodies against the Mouse Cytomegalovirus m12 Immuno-evasin. <i>Journal of Immunology</i> , 2020 , 205, 1709-1717 | 5.3 | 2 |
| 4 ⁰⁴ | A comprehensive review and performance evaluation of bioinformatics tools for HLA class I peptide-binding prediction. <i>Briefings in Bioinformatics</i> , 2020 , 21, 1119-1135 | 13.4 | 48 |

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| 403 | HLA-B*27:05 alters immunodominance hierarchy of universal influenza-specific CD8+ T cells 2020 , 16, e1008714 | | |
| 402 | HLA-B*27:05 alters immunodominance hierarchy of universal influenza-specific CD8+ T cells 2020 , 16, e1008714 | | |
| 401 | HLA-B*27:05 alters immunodominance hierarchy of universal influenza-specific CD8+ T cells 2020 , 16, e1008714 | | |
| 400 | HLA-B*27:05 alters immunodominance hierarchy of universal influenza-specific CD8+ T cells 2020 , 16, e1008714 | | |
| 399 | Downregulation of MHC Class I Expression by Influenza A and B Viruses. <i>Frontiers in Immunology</i> , 2019 , 10, 1158 | 8.4 | 28 |
| 398 | H1N1 hemagglutinin-specific HLA-DQ6-restricted CD4+ T cells can be readily detected in narcolepsy type 1 patients and healthy controls. <i>Journal of Neuroimmunology</i> , 2019 , 332, 167-175 | 3.5 | 11 |
| 397 | Chronic Inflammation Permanently Reshapes Tissue-Resident Immunity in Celiac Disease. <i>Cell</i> , 2019 , 176, 967-981.e19 | 56.2 | 72 |
| 396 | A subset of HLA-DP molecules serve as ligands for the natural cytotoxicity receptor NKp44. <i>Nature Immunology</i> , 2019 , 20, 1129-1137 | 19.1 | 37 |
| 395 | A plasmid-encoded peptide from Staphylococcus aureus induces anti-myeloperoxidase nephritogenic autoimmunity. <i>Nature Communications</i> , 2019 , 10, 3392 | 17.4 | 23 |
| 394 | Structural basis for the recognition of nectin-like protein-5 by the human-activating immune receptor, DNAM-1. <i>Journal of Biological Chemistry</i> , 2019 , 294, 12534-12546 | 5.4 | 7 |
| 393 | Characterization and Purification of Mouse Mucosal-Associated Invariant T (MAIT) Cells. <i>Current Protocols in Immunology</i> , 2019 , 127, e89 | 4 | 3 |
| 392 | Characterization of Human Mucosal-associated Invariant T (MAIT) Cells. <i>Current Protocols in Immunology</i> , 2019 , 127, e90 | 4 | 6 |
| 391 | PD-L1- and calcitriol-dependent liposomal antigen-specific regulation of systemic inflammatory autoimmune disease. <i>JCI Insight</i> , 2019 , 4, | 9.9 | 31 |
| 390 | Human CD8 T cell cross-reactivity across influenza A, B and C viruses. <i>Nature Immunology</i> , 2019 , 20, 613-625 | 35 | 109 |
| 389 | The early proximal TCR signalosome specifies thymic selection outcome through a quantitative protein interaction network. <i>Science Immunology</i> , 2019 , 4, | 28 | 7 |
| 388 | IL-23 costimulates antigen-specific MAIT cell activation and enables vaccination against bacterial infection. <i>Science Immunology</i> , 2019 , 4, | 28 | 39 |
| 387 | Cross-Reactive Donor-Specific CD8 Tregs Efficiently Prevent Transplant Rejection. <i>Cell Reports</i> , 2019 , 29, 4245-4255.e6 | 10.6 | 5 |
| 386 | A class of T cell receptors recognize the underside of the antigen-presenting molecule MR1. <i>Science</i> , 2019 , 366, 1522-1527 | 33.3 | 53 |

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| 385 | Distinct CD1d docking strategies exhibited by diverse Type II NKT cell receptors. <i>Nature Communications</i> , 2019 , 10, 5242 | 17.4 | 10 |
| 384 | Allelic association with ankylosing spondylitis fails to correlate with human leukocyte antigen B27 homodimer formation. <i>Journal of Biological Chemistry</i> , 2019 , 294, 20185-20195 | 5.4 | 7 |
| 383 | Challenging immunodominance of influenza-specific CD8 T cell responses restricted by the risk-associated HLA-A*68:01 allomorph. <i>Nature Communications</i> , 2019 , 10, 5579 | 17.4 | 6 |
| 382 | A TCR β Chain Motif Biases toward Recognition of Human CD1 Proteins. <i>Journal of Immunology</i> , 2019 , 203, 3395-3406 | 5.3 | 8 |
| 381 | A microfluidic-SERSplatform for isolation and immuno-phenotyping of antigen specific T-cells. <i>Sensors and Actuators B: Chemical</i> , 2019 , 284, 281-288 | 8.5 | 6 |
| 380 | Discriminative T-cell receptor recognition of highly homologous HLA-DQ2-bound gluten epitopes. <i>Journal of Biological Chemistry</i> , 2019 , 294, 941-952 | 5.4 | 24 |
| 379 | A T-cell receptor escape channel allows broad T-cell response to CD1b and membrane phospholipids. <i>Nature Communications</i> , 2019 , 10, 56 | 17.4 | 17 |
| 378 | Structural Basis for CD96 Immune Receptor Recognition of Nectin-like Protein-5, CD155. <i>Structure</i> , 2019 , 27, 219-228.e3 | 5.2 | 26 |
| 377 | An overview on the identification of MAIT cell antigens. <i>Immunology and Cell Biology</i> , 2018 , 96, 573-587 | 5 | 41 |
| 376 | Understanding the drivers of MHC restriction of T cell receptors. <i>Nature Reviews Immunology</i> , 2018 , 18, 467-478 | 36.5 | 102 |
| 375 | Mucosal-associated invariant T cell receptor recognition of small molecules presented by MR1. <i>Immunology and Cell Biology</i> , 2018 , 96, 588-597 | 5 | 17 |
| 374 | Identification of Native and Posttranslationally Modified HLA-B*57:01-Restricted HIV Envelope Derived Epitopes Using Immunoproteomics. <i>Proteomics</i> , 2018 , 18, e1700253 | 4.8 | 17 |
| 373 | The interplay between citrullination and HLA-DRB1 polymorphism in shaping peptide binding hierarchies in rheumatoid arthritis. <i>Journal of Biological Chemistry</i> , 2018 , 293, 3236-3251 | 5.4 | 44 |
| 372 | Mucosal-Associated Invariant T Cells Augment Immunopathology and Gastritis in Chronic Infection. <i>Journal of Immunology</i> , 2018 , 200, 1901-1916 | 5.3 | 32 |
| 371 | Differing roles of CD1d2 and CD1d1 proteins in type I natural killer T cell development and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E1204-E1213 | 11.5 | 16 |
| 370 | HLA variation and disease. <i>Nature Reviews Immunology</i> , 2018 , 18, 325-339 | 36.5 | 246 |
| 369 | Unconventional T Cell Targets for Cancer Immunotherapy. <i>Immunity</i> , 2018 , 48, 453-473 | 32.3 | 154 |
| 368 | Dual Modifications of β Galactosylceramide Synergize to Promote Activation of Human Invariant Natural Killer T Cells and Stimulate Anti-tumor Immunity. <i>Cell Chemical Biology</i> , 2018 , 25, 571-584.e8 | 8.2 | 18 |

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| 367 | Divergent T-cell receptor recognition modes of a HLA-I restricted extended tumour-associated peptide. <i>Nature Communications</i> , 2018 , 9, 1026 | 17.4 | 26 |
| 366 | T cell autoreactivity directed toward CD1c itself rather than toward carried self lipids. <i>Nature Immunology</i> , 2018 , 19, 397-406 | 19.1 | 32 |
| 365 | Flow Cytometric Clinical Immunomonitoring Using Peptide-MHC Class II Tetramers: Optimization of Methods and Protocol Development. <i>Frontiers in Immunology</i> , 2018 , 9, 8 | 8.4 | 9 |
| 364 | Single-Cell Approach to Influenza-Specific CD8 T Cell Receptor Repertoires Across Different Age Groups, Tissues, and Following Influenza Virus Infection. <i>Frontiers in Immunology</i> , 2018 , 9, 1453 | 8.4 | 40 |
| 363 | Inability To Detect Cross-Reactive Memory T Cells Challenges the Frequency of Heterologous Immunity among Common Viruses. <i>Journal of Immunology</i> , 2018 , 200, 3993-4003 | 5.3 | 11 |
| 362 | Lipids hide or step aside for CD1-autoreactive T cell receptors. <i>Current Opinion in Immunology</i> , 2018 , 52, 93-99 | 7.8 | 14 |
| 361 | Reply to Roudier .: HLA-DRB1 polymorphism, anti-citrullinated protein antibodies, and rheumatoid arthritis. <i>Journal of Biological Chemistry</i> , 2018 , 293, 7039 | 5.4 | |
| 360 | MAIT cells protect against pulmonary <i>Legionella longbeachae</i> infection. <i>Nature Communications</i> , 2018 , 9, 3350 | 17.4 | 111 |
| 359 | CD4 T cell-mediated HLA class II cross-restriction in HIV controllers. <i>Science Immunology</i> , 2018 , 3, | 28 | 28 |
| 358 | Recipient mucosal-associated invariant T cells control GVHD within the colon. <i>Journal of Clinical Investigation</i> , 2018 , 128, 1919-1936 | 15.9 | 60 |
| 357 | Phospholipid signaling in innate immune cells. <i>Journal of Clinical Investigation</i> , 2018 , 128, 2670-2679 | 15.9 | 37 |
| 356 | Killer cell immunoglobulin-like receptor 3DL1 variation modifies HLA-B*57 protection against HIV-1. <i>Journal of Clinical Investigation</i> , 2018 , 128, 1903-1912 | 15.9 | 30 |
| 355 | Recognition of host Clr-b by the inhibitory NKR-P1B receptor provides a basis for missing-self recognition. <i>Nature Communications</i> , 2018 , 9, 4623 | 17.4 | 14 |
| 354 | The Diverse Family of MR1-Restricted T Cells. <i>Journal of Immunology</i> , 2018 , 201, 2862-2871 | 5.3 | 22 |
| 353 | HLA-B57 micropolymorphism defines the sequence and conformational breadth of the immunopeptidome. <i>Nature Communications</i> , 2018 , 9, 4693 | 17.4 | 19 |
| 352 | Broad CD8 T cell cross-recognition of distinct influenza A strains in humans. <i>Nature Communications</i> , 2018 , 9, 5427 | 17.4 | 27 |
| 351 | A subset of HLA-I peptides are not genomically templated: Evidence for cis- and trans-spliced peptide ligands. <i>Science Immunology</i> , 2018 , 3, | 28 | 99 |
| 350 | HLA and kidney disease: from associations to mechanisms. <i>Nature Reviews Nephrology</i> , 2018 , 14, 636-655 | 4.9 | 25 |

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|-----|---|------|-----|
| 349 | Peptide mimic for influenza vaccination using nonnatural combinatorial chemistry. <i>Journal of Clinical Investigation</i> , 2018 , 128, 1569-1580 | 15.9 | 19 |
| 348 | Mucosal-associated invariant T-cell activation and accumulation after in vivo infection depends on microbial riboflavin synthesis and co-stimulatory signals. <i>Mucosal Immunology</i> , 2017 , 10, 58-68 | 9.2 | 141 |
| 347 | MHC-I peptides get out of the groove and enable a novel mechanism of HIV-1 escape. <i>Nature Structural and Molecular Biology</i> , 2017 , 24, 387-394 | 17.6 | 55 |
| 346 | Stabilizing short-lived Schiff base derivatives of 5-aminouracils that activate mucosal-associated invariant T cells. <i>Nature Communications</i> , 2017 , 8, 14599 | 17.4 | 82 |
| 345 | Drugs and drug-like molecules can modulate the function of mucosal-associated invariant T cells. <i>Nature Immunology</i> , 2017 , 18, 402-411 | 19.1 | 116 |
| 344 | MAIT cells and MR1-antigen recognition. <i>Current Opinion in Immunology</i> , 2017 , 46, 66-74 | 7.8 | 43 |
| 343 | Dominant protection from HLA-linked autoimmunity by antigen-specific regulatory T cells. <i>Nature</i> , 2017 , 545, 243-247 | 50.4 | 131 |
| 342 | Recognition of nectin-2 by the natural killer cell receptor T cell immunoglobulin and ITIM domain (TIGIT). <i>Journal of Biological Chemistry</i> , 2017 , 292, 11413-11422 | 5.4 | 46 |
| 341 | A Viral Immune-evasion Controls Innate Immunity by Targeting the Prototypical Natural Killer Cell Receptor Family. <i>Cell</i> , 2017 , 169, 58-71.e14 | 56.2 | 50 |
| 340 | Circulating gluten-specific FOXP3CD39 regulatory T cells have impaired suppressive function in patients with celiac disease. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 140, 1592-1603.e8 | 11.5 | 41 |
| 339 | A hot spot on interferon α receptor subunit 1 (IFNAR1) underpins its interaction with interferon- β and dictates signaling. <i>Journal of Biological Chemistry</i> , 2017 , 292, 7554-7565 | 5.4 | 17 |
| 338 | Total Synthesis of Mycobacterium tuberculosis Dideoxymycobactin-838 and Stereoisomers: Diverse CD1a-Restricted T Cells Display a Common Hierarchy of Lipopeptide Recognition. <i>Chemistry - A European Journal</i> , 2017 , 23, 1694-1701 | 4.8 | 6 |
| 337 | Cytotoxic and regulatory roles of mucosal-associated invariant T cells in type 1 diabetes. <i>Nature Immunology</i> , 2017 , 18, 1321-1331 | 19.1 | 127 |
| 336 | Germline bias dictates cross-serotype reactivity in a common dengue-virus-specific CD8 T cell response. <i>Nature Immunology</i> , 2017 , 18, 1228-1237 | 19.1 | 22 |
| 335 | A molecular basis of human T cell receptor autoreactivity toward self-phospholipids. <i>Science Immunology</i> , 2017 , 2, | 28 | 29 |
| 334 | MAIT cells launch a rapid, robust and distinct hyperinflammatory response to bacterial superantigens and quickly acquire an anergic phenotype that impedes their cognate antimicrobial function: Defining a novel mechanism of superantigen-induced immunopathology and immunosuppression. <i>PLoS Biology</i> , 2017 , 15, e2001930 | 9.7 | 78 |
| 333 | The molecular basis for peptide repertoire selection in the human leucocyte antigen (HLA) C*06:02 molecule. <i>Journal of Biological Chemistry</i> , 2017 , 292, 17203-17215 | 5.4 | 23 |
| 332 | Structural determination of lipid antigens captured at the CD1d-T-cell receptor interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 8348-8353 | 11.5 | 29 |

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|-----|---|------|-----|
| 331 | Molecular basis for increased susceptibility of Indigenous North Americans to seropositive rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2017 , 76, 1915-1923 | 2.4 | 26 |
| 330 | A T Cell Receptor Locus Harbors a Malaria-Specific Immune Response Gene. <i>Immunity</i> , 2017 , 47, 835-847 | 3.4 | 17 |
| 329 | A conserved energetic footprint underpins recognition of human leukocyte antigen-E by two distinct T cell receptors. <i>Journal of Biological Chemistry</i> , 2017 , 292, 21149-21158 | 5.4 | 10 |
| 328 | Structure-function analyses of a pertussis-like toxin from pathogenic reveal a distinct mechanism of inhibition of trimeric G-proteins. <i>Journal of Biological Chemistry</i> , 2017 , 292, 15143-15158 | 5.4 | 12 |
| 327 | Structural and regulatory diversity shape HLA-C protein expression levels. <i>Nature Communications</i> , 2017 , 8, 15924 | 17.4 | 62 |
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