

Jamie Rossjohn

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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	MR1 presents microbial vitamin B metabolites to MAIT cells. <i>Nature</i> , 2012 , 491, 717-23	50.4	834
473	More than one reason to rethink the use of peptides in vaccine design. <i>Nature Reviews Drug Discovery</i> , 2007 , 6, 404-14	64.1	559
472	Immune self-reactivity triggered by drug-modified HLA-peptide repertoire. <i>Nature</i> , 2012 , 486, 554-8	50.4	513
471	T-cell activation by transitory neo-antigens derived from distinct microbial pathways. <i>Nature</i> , 2014 , 509, 361-5	50.4	492
470	CD1d-lipid-antigen recognition by the semi-invariant NKT T-cell receptor. <i>Nature</i> , 2007 , 448, 44-9	50.4	459
469	The burgeoning family of unconventional T cells. <i>Nature Immunology</i> , 2015 , 16, 1114-23	19.1	453
468	T cell antigen receptor recognition of antigen-presenting molecules. <i>Annual Review of Immunology</i> , 2015 , 33, 169-200	34.7	420
467	Structure of a cholesterol-binding, thiol-activated cytolysin and a model of its membrane form. <i>Cell</i> , 1997 , 89, 685-92	56.2	412
466	Antigen-loaded MR1 tetramers define T cell receptor heterogeneity in mucosal-associated invariant T cells. <i>Journal of Experimental Medicine</i> , 2013 , 210, 2305-20	16.6	379
465	Comprehensive, quantitative mapping of T cell epitopes in gluten in celiac disease. <i>Science Translational Medicine</i> , 2010 , 2, 41ra51	17.5	321
464	The mechanism of membrane insertion for a cholesterol-dependent cytolysin: a novel paradigm for pore-forming toxins. <i>Cell</i> , 1999 , 99, 293-9	56.2	320
463	Recognition of CD1d-restricted antigens by natural killer T cells. <i>Nature Reviews Immunology</i> , 2012 , 12, 845-57	36.5	315
462	A structural basis for the selection of dominant alphabeta T cell receptors in antiviral immunity. <i>Immunity</i> , 2003 , 18, 53-64	32.3	298
461	AB5 subtilase cytotoxin inactivates the endoplasmic reticulum chaperone BiP. <i>Nature</i> , 2006 , 443, 548-52	50.4	296
460	IMMUNODEFICIENCIES. Impairment of immunity to <i>Candida</i> and <i>Mycobacterium</i> in humans with bi-allelic RORC mutations. <i>Science</i> , 2015 , 349, 606-613	33.3	291
459	Structural determinants of T-cell receptor bias in immunity. <i>Nature Reviews Immunology</i> , 2006 , 6, 883-94	36.5	287
458	Identification of a membrane-spanning domain of the thiol-activated pore-forming toxin <i>Clostridium perfringens</i> perfringolysin O: an alpha-helical to beta-sheet transition identified by fluorescence spectroscopy. <i>Biochemistry</i> , 1998 , 37, 14563-74	3.2	285

457	Butyrophilin 3A1 binds phosphorylated antigens and stimulates human Γ cells. <i>Nature Immunology</i> , 2013 , 14, 908-16	19.1	275
456	A molecular basis for the association of the HLA-DRB1 locus, citrullination, and rheumatoid arthritis. <i>Journal of Experimental Medicine</i> , 2013 , 210, 2569-82	16.6	269
455	Human leukocyte antigen class I-restricted activation of CD8+ T cells provides the immunogenetic basis of a systemic drug hypersensitivity. <i>Immunity</i> , 2008 , 28, 822-32	32.3	268
454	HLA variation and disease. <i>Nature Reviews Immunology</i> , 2018 , 18, 325-339	36.5	246
453	T cell receptor recognition of a super-bulged major histocompatibility complex class I-bound peptide. <i>Nature Immunology</i> , 2005 , 6, 1114-22	19.1	234
452	A common fold mediates vertebrate defense and bacterial attack. <i>Science</i> , 2007 , 317, 1548-51	33.3	224
451	Identification of phenotypically and functionally heterogeneous mouse mucosal-associated invariant T cells using MR1 tetramers. <i>Journal of Experimental Medicine</i> , 2015 , 212, 1095-108	16.6	223
450	The structural basis of Janus kinase 2 inhibition by a potent and specific pan-Janus kinase inhibitor. <i>Blood</i> , 2006 , 107, 176-83	2.2	217
449	Recognition of vitamin B metabolites by mucosal-associated invariant T cells. <i>Nature Communications</i> , 2013 , 4, 2142	17.4	206
448	CD1d-lipid antigen recognition by the Γ TCR. <i>Nature Immunology</i> , 2013 , 14, 1137-45	19.1	201
447	Crystal structure of the N-terminal, growth factor-like domain of Alzheimer amyloid precursor protein. <i>Nature Structural Biology</i> , 1999 , 6, 327-31		199
446	T cell allorecognition via molecular mimicry. <i>Immunity</i> , 2009 , 31, 897-908	32.3	195
445	Mucosal-associated invariant T cell alterations in obese and type 2 diabetic patients. <i>Journal of Clinical Investigation</i> , 2015 , 125, 1752-62	15.9	193
444	Structural basis of a unique interferon- β signaling axis mediated via the receptor IFNAR1. <i>Nature Immunology</i> , 2013 , 14, 901-7	19.1	185
443	Dissecting specificity in the Janus kinases: the structures of JAK-specific inhibitors complexed to the JAK1 and JAK2 protein tyrosine kinase domains. <i>Journal of Molecular Biology</i> , 2009 , 387, 219-32	6.5	183
442	A three-stage intrathymic development pathway for the mucosal-associated invariant T cell lineage. <i>Nature Immunology</i> , 2016 , 17, 1300-1311	19.1	183
441	Differential recognition of CD1d-alpha-galactosyl ceramide by the V beta 8.2 and V beta 7 semi-invariant NKT T cell receptors. <i>Immunity</i> , 2009 , 31, 47-59	32.3	181
440	A T cell receptor flattens a bulged antigenic peptide presented by a major histocompatibility complex class I molecule. <i>Nature Immunology</i> , 2007 , 8, 268-76	19.1	175

439	Incorporation of a non-human glycan mediates human susceptibility to a bacterial toxin. <i>Nature</i> , 2008 , 456, 648-52	50.4	174
438	A naturally selected dimorphism within the HLA-B44 supertype alters class I structure, peptide repertoire, and T cell recognition. <i>Journal of Experimental Medicine</i> , 2003 , 198, 679-91	16.6	174
437	Human mucosal-associated invariant T cells contribute to antiviral influenza immunity via IL-18-dependent activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 10133-8	11.5	173
436	A molecular basis underpinning the T cell receptor heterogeneity of mucosal-associated invariant T cells. <i>Journal of Experimental Medicine</i> , 2014 , 211, 1585-600	16.6	172
435	Alternative cross-priming through CCL17-CCR4-mediated attraction of CTLs toward NKT cell-licensed DCs. <i>Nature Immunology</i> , 2010 , 11, 313-20	19.1	164
434	The insulin A-chain epitope recognized by human T cells is posttranslationally modified. <i>Journal of Experimental Medicine</i> , 2005 , 202, 1191-7	16.6	164
433	Two structural transitions in membrane pore formation by pneumolysin, the pore-forming toxin of <i>Streptococcus pneumoniae</i> . <i>Cell</i> , 1999 , 97, 647-55	56.2	163
432	The structures of human glutathione transferase P1-1 in complex with glutathione and various inhibitors at high resolution. <i>Journal of Molecular Biology</i> , 1997 , 274, 84-100	6.5	158
431	Structure, biological functions and applications of the AB5 toxins. <i>Trends in Biochemical Sciences</i> , 2010 , 35, 411-8	10.3	156
430	Unconventional T Cell Targets for Cancer Immunotherapy. <i>Immunity</i> , 2018 , 48, 453-473	32.3	154
429	A conserved human T cell population targets mycobacterial antigens presented by CD1b. <i>Nature Immunology</i> , 2013 , 14, 706-13	19.1	154
428	The CDR3 regions of an immunodominant T cell receptor dictate the energetic landscape of peptide-MHC recognition. <i>Nature Immunology</i> , 2005 , 6, 171-80	19.1	154
427	Killer cell immunoglobulin-like receptor 3DL1-mediated recognition of human leukocyte antigen B. <i>Nature</i> , 2011 , 479, 401-5	50.4	152
426	Interferon- β protects the female reproductive tract from viral and bacterial infection. <i>Science</i> , 2013 , 339, 1088-92	33.3	145
425	CD94-NKG2A recognition of human leukocyte antigen (HLA)-E bound to an HLA class I leader sequence. <i>Journal of Experimental Medicine</i> , 2008 , 205, 725-35	16.6	145
424	GABA production by glutamic acid decarboxylase is regulated by a dynamic catalytic loop. <i>Nature Structural and Molecular Biology</i> , 2007 , 14, 280-6	17.6	144
423	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
422	The 2.0-Å crystal structure of eqFP611, a far red fluorescent protein from the sea anemone <i>Entacmaea quadricolor</i> . <i>Journal of Biological Chemistry</i> , 2003 , 278, 44626-31	5.4	140

4 ²¹	Human theta class glutathione transferase: the crystal structure reveals a sulfate-binding pocket within a buried active site. <i>Structure</i> , 1998 , 6, 309-22	5.2	139
4 ²⁰	Structural insight into MR1-mediated recognition of the mucosal associated invariant T cell receptor. <i>Journal of Experimental Medicine</i> , 2012 , 209, 761-74	16.6	135
4 ¹⁹	Germline-encoded recognition of diverse glycolipids by natural killer T cells. <i>Nature Immunology</i> , 2007 , 8, 1105-13	19.1	135
4 ¹⁸	Cross-reactive CD8+ T-cell immunity between the pandemic H1N1-2009 and H1N1-1918 influenza A viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 12599-604	11.5	134
4 ¹⁷	A mixed disulfide bond in bacterial glutathione transferase: functional and evolutionary implications. <i>Structure</i> , 1998 , 6, 721-34	5.2	134
4 ¹⁶	Diversity of T Cells Restricted by the MHC Class I-Related Molecule MR1 Facilitates Differential Antigen Recognition. <i>Immunity</i> , 2016 , 44, 32-45	32.3	133
4 ¹⁵	Natural HLA class I polymorphism controls the pathway of antigen presentation and susceptibility to viral evasion. <i>Journal of Experimental Medicine</i> , 2004 , 200, 13-24	16.6	133
4 ¹⁴	Dominant protection from HLA-linked autoimmunity by antigen-specific regulatory T cells. <i>Nature</i> , 2017 , 545, 243-247	50.4	131
4 ¹³	Functional role of T-cell receptor nanoclusters in signal initiation and antigen discrimination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E5454-63	11.5	131
4 ¹²	HLA-DQA1-HLA-DRB1 variants confer susceptibility to pancreatitis induced by thiopurine immunosuppressants. <i>Nature Genetics</i> , 2014 , 46, 1131-4	36.3	130
4 ¹¹	Drug hypersensitivity and human leukocyte antigens of the major histocompatibility complex. <i>Annual Review of Pharmacology and Toxicology</i> , 2012 , 52, 401-31	17.9	130
4 ¹⁰	High resolution structures of highly bulged viral epitopes bound to major histocompatibility complex class I. Implications for T-cell receptor engagement and T-cell immunodominance. <i>Journal of Biological Chemistry</i> , 2005 , 280, 23900-9	5.4	129
4 ⁰⁹	A structural and immunological basis for the role of human leukocyte antigen DQ8 in celiac disease. <i>Immunity</i> , 2007 , 27, 23-34	32.3	128
4 ⁰⁸	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
4 ⁰⁷	Structural basis for the killing of human beta cells by CD8(+) T cells in type 1 diabetes. <i>Nature Immunology</i> , 2012 , 13, 283-9	19.1	126
4 ⁰⁶	T-cell receptor recognition of HLA-DQ2-gliadin complexes associated with celiac disease. <i>Nature Structural and Molecular Biology</i> , 2014 , 21, 480-8	17.6	124
4 ⁰⁵	Lack of prominent peptide-major histocompatibility complex features limits repertoire diversity in virus-specific CD8+ T cell populations. <i>Nature Immunology</i> , 2005 , 6, 382-9	19.1	123
4 ⁰⁴	Crystal structure of the human T cell receptor CD3 epsilon gamma heterodimer complexed to the therapeutic mAb OKT3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 7675-80	11.5	122

403	A molecular basis for the control of preimmune escape variants by HIV-specific CD8+ T cells. <i>Immunity</i> , 2013 , 38, 425-36	32.3	120
402	Preexisting CD8+ T-cell immunity to the H7N9 influenza A virus varies across ethnicities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 1049-54	11.5	119
401	The 2.2 Å crystal structure of a pocalloporin pigment reveals a nonplanar chromophore conformation. <i>Structure</i> , 2003 , 11, 275-84	5.2	119
400	DEC-205 is a cell surface receptor for CpG oligonucleotides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 16270-5	11.5	117
399	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
398	CD1a-autoreactive T cells recognize natural skin oils that function as headless antigens. <i>Nature Immunology</i> , 2014 , 15, 177-85	19.1	113
397	Crystal structure of HLA-G: a nonclassical MHC class I molecule expressed at the fetal-maternal interface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 3360-5	11.5	112
396	MAIT cells protect against pulmonary <i>Legionella longbeachae</i> infection. <i>Nature Communications</i> , 2018 , 9, 3350	17.4	111
395	The three-dimensional structure of the human Pi class glutathione transferase P1-1 in complex with the inhibitor ethacrynic acid and its glutathione conjugate. <i>Biochemistry</i> , 1997 , 36, 576-85	3.2	111
394	A molecular basis for NKT cell recognition of CD1d-self-antigen. <i>Immunity</i> , 2011 , 34, 315-26	32.3	110
393	Human CD8 T cell cross-reactivity across influenza A, B and C viruses. <i>Nature Immunology</i> , 2019 , 20, 613-625	32.5	109
392	Recognition of microbial and mammalian phospholipid antigens by NKT cells with diverse TCRs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 1827-32	11.5	107
391	Arresting pore formation of a cholesterol-dependent cytolysin by disulfide trapping synchronizes the insertion of the transmembrane beta-sheet from a prepore intermediate. <i>Journal of Biological Chemistry</i> , 2001 , 276, 8261-8	5.4	105
390	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
389	Understanding the drivers of MHC restriction of T cell receptors. <i>Nature Reviews Immunology</i> , 2018 , 18, 467-478	36.5	102
388	Biased T cell receptor usage directed against human leukocyte antigen DQ8-restricted gliadin peptides is associated with celiac disease. <i>Immunity</i> , 2012 , 37, 611-21	32.3	101
387	Beta-amino acid-containing hybrid peptides--new opportunities in peptidomimetics. <i>Organic and Biomolecular Chemistry</i> , 2007 , 5, 2884-90	3.9	100
386	Recognition of linked self glycolipids mediated by natural killer T cell antigen receptors. <i>Nature Immunology</i> , 2011 , 12, 827-33	19.1	99

385	Have we cut ourselves too short in mapping CTL epitopes?. <i>Trends in Immunology</i> , 2006 , 27, 11-6	14.4	99
384	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
383	CD1a on Langerhans cells controls inflammatory skin disease. <i>Nature Immunology</i> , 2016 , 17, 1159-66	19.1	98
382	A molecular basis for the exquisite CD1d-restricted antigen specificity and functional responses of natural killer T cells. <i>Immunity</i> , 2011 , 34, 327-39	32.3	97
381	Functional Heterogeneity and Antimycobacterial Effects of Mouse Mucosal-Associated Invariant T Cells Specific for Riboflavin Metabolites. <i>Journal of Immunology</i> , 2015 , 195, 587-601	5.3	96
380	Antigen ligation triggers a conformational change within the constant domain of the alphabeta T cell receptor. <i>Immunity</i> , 2009 , 30, 777-88	32.3	96
379	The major histocompatibility complex class Ib molecule HLA-E at the interface between innate and adaptive immunity. <i>Tissue Antigens</i> , 2008 , 72, 415-24		96
378	A structural basis for selection and cross-species reactivity of the semi-invariant NKT cell receptor in CD1d/glycolipid recognition. <i>Journal of Experimental Medicine</i> , 2006 , 203, 661-73	16.6	96
377	The crystal structure of myelin oligodendrocyte glycoprotein, a key autoantigen in multiple sclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 11059-64	11.5	96
376	Crystal Structure of the SARS-CoV-2 Non-structural Protein 9, Nsp9. <i>IScience</i> , 2020 , 23, 101258	6.1	95
375	The molecular mechanism of pneumolysin, a virulence factor from <i>Streptococcus pneumoniae</i> . <i>Journal of Molecular Biology</i> , 1998 , 284, 449-61	6.5	94
374	Hard wiring of T cell receptor specificity for the major histocompatibility complex is underpinned by TCR adaptability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 10608-13	11.5	93
373	Recognition of CD1d-sulfatide mediated by a type II natural killer T cell antigen receptor. <i>Nature Immunology</i> , 2012 , 13, 857-63	19.1	92
372	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
371	The intracellular pathway for the presentation of vitamin B-related antigens by the antigen-presenting molecule MR1. <i>Nature Immunology</i> , 2016 , 17, 531-7	19.1	92
370	Lipid and small-molecule display by CD1 and MR1. <i>Nature Reviews Immunology</i> , 2015 , 15, 643-54	36.5	90
369	Escape from highly effective public CD8+ T-cell clonotypes by HIV. <i>Blood</i> , 2011 , 118, 2138-49	2.2	90
368	Structural basis for a major histocompatibility complex class Ib-restricted T cell response. <i>Nature Immunology</i> , 2006 , 7, 256-64	19.1	90

367	T cell receptor reversed polarity recognition of a self-antigen major histocompatibility complex. <i>Nature Immunology</i> , 2015 , 16, 1153-61	19.1	88
366	A semi-invariant V α 0+ T cell antigen receptor defines a population of natural killer T cells with distinct glycolipid antigen-recognition properties. <i>Nature Immunology</i> , 2011 , 12, 616-23	19.1	87
365	The fidelity, occasional promiscuity, and versatility of T cell receptor recognition. <i>Immunity</i> , 2008 , 28, 304-14	32.3	87
364	CTL recognition of a bulged viral peptide involves biased TCR selection. <i>Journal of Immunology</i> , 2005 , 175, 3826-34	5.3	86
363	The shaping of T cell receptor recognition by self-tolerance. <i>Immunity</i> , 2009 , 30, 193-203	32.3	85
362	Natural micropolymorphism in human leukocyte antigens provides a basis for genetic control of antigen recognition. <i>Journal of Experimental Medicine</i> , 2009 , 206, 209-19	16.6	85
361	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
360	Γ cell antigen receptor recognition of CD1a presenting self lipid ligands. <i>Nature Immunology</i> , 2015 , 16, 258-66	19.1	82
359	T cell receptor CDR2 beta and CDR3 beta loops collaborate functionally to shape the iNKT cell repertoire. <i>Immunity</i> , 2009 , 31, 60-71	32.3	82
358	Recognition of Vitamin B Precursors and Byproducts by Mucosal Associated Invariant T Cells. <i>Journal of Biological Chemistry</i> , 2015 , 290, 30204-11	5.4	81
357	Molecular architecture of the Γ cell receptor-CD3 complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 17576-81	11.5	81
356	A minimal binding footprint on CD1d-glycolipid is a basis for selection of the unique human NKT TCR. <i>Journal of Experimental Medicine</i> , 2008 , 205, 939-49	16.6	81
355	Antigen recognition by CD1d-restricted NKT T cell receptors. <i>Seminars in Immunology</i> , 2010 , 22, 61-7	10.7	80
354	Bimolecular interaction of insulin-like growth factor (IGF) binding protein-2 with alphavbeta3 negatively modulates IGF-I-mediated migration and tumor growth. <i>Cancer Research</i> , 2004 , 64, 977-84	10.1	80
353	Human glutathione transferase P1-1 and nitric oxide carriers; a new role for an old enzyme. <i>Journal of Biological Chemistry</i> , 2001 , 276, 42138-45	5.4	79
352	Molecular basis of glutathione synthetase deficiency and a rare gene permutation event. <i>EMBO Journal</i> , 1999 , 18, 3204-13	13	79
351	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
350	Tc17 cells are a proinflammatory, plastic lineage of pathogenic CD8+ T cells that induce GVHD without antileukemic effects. <i>Blood</i> , 2015 , 126, 1609-20	2.2	78

349	The 1.6 Å crystal structure of the catalytic domain of PlyB, a bacteriophage lysin active against <i>Bacillus anthracis</i> . <i>Journal of Molecular Biology</i> , 2007 , 366, 540-50	6.5	77
348	The identification and structure of the membrane-spanning domain of the <i>Clostridium septicum</i> alpha toxin. <i>Journal of Biological Chemistry</i> , 2004 , 279, 14315-22	5.4	77
347	The immunogenicity of a viral cytotoxic T cell epitope is controlled by its MHC-bound conformation. <i>Journal of Experimental Medicine</i> , 2005 , 202, 1249-60	16.6	77
346	Hotspot autoimmune T cell receptor binding underlies pathogen and insulin peptide cross-reactivity. <i>Journal of Clinical Investigation</i> , 2016 , 126, 2191-204	15.9	77
345	Peptide length determines the outcome of TCR/peptide-MHCI engagement. <i>Blood</i> , 2013 , 121, 1112-23	2.2	76
344	MAIT cells are depleted early but retain functional cytokine expression in HIV infection. <i>Immunology and Cell Biology</i> , 2015 , 93, 177-88	5	76
343	The murine orthologue of human antichymotrypsin: a structural paradigm for clade A3 serpins. <i>Journal of Biological Chemistry</i> , 2005 , 280, 43168-78	5.4	76
342	Subtle changes in peptide conformation profoundly affect recognition of the non-classical MHC class I molecule HLA-E by the CD94-NKG2 natural killer cell receptors. <i>Journal of Molecular Biology</i> , 2008 , 377, 1297-303	6.5	75
341	Human TRAV1-2-negative MR1-restricted T cells detect <i>S. pyogenes</i> and alternatives to MAIT riboflavin-based antigens. <i>Nature Communications</i> , 2016 , 7, 12506	17.4	73
340	The 2.1Å crystal structure of the far-red fluorescent protein HcRed: inherent conformational flexibility of the chromophore. <i>Journal of Molecular Biology</i> , 2005 , 349, 223-37	6.5	73
339	Chronic Inflammation Permanently Reshapes Tissue-Resident Immunity in Celiac Disease. <i>Cell</i> , 2019 , 176, 967-981.e19	56.2	72
338	Structures of perfringolysin O suggest a pathway for activation of cholesterol-dependent cytolysins. <i>Journal of Molecular Biology</i> , 2007 , 367, 1227-36	6.5	72
337	A bird's eye view of NK cell receptor interactions with their MHC class I ligands. <i>Immunological Reviews</i> , 2015 , 267, 148-66	11.3	71
336	Polymorphism in human cytomegalovirus UL40 impacts on recognition of human leukocyte antigen-E (HLA-E) by natural killer cells. <i>Journal of Biological Chemistry</i> , 2013 , 288, 8679-8690	5.4	70
335	The heterodimeric assembly of the CD94-NKG2 receptor family and implications for human leukocyte antigen-E recognition. <i>Immunity</i> , 2007 , 27, 900-11	32.3	70
334	Variations on the GFP chromophore: A polypeptide fragmentation within the chromophore revealed in the 2.1-Å crystal structure of a nonfluorescent chromoprotein from <i>Anemonia sulcata</i> . <i>Journal of Biological Chemistry</i> , 2005 , 280, 2401-4	5.4	70
333	Natural Killer T cell obsession with self-antigens. <i>Current Opinion in Immunology</i> , 2013 , 25, 168-73	7.8	69
332	A structural voyage toward an understanding of the MHC-I-restricted immune response: lessons learned and much to be learned. <i>Immunological Reviews</i> , 2012 , 250, 61-81	11.3	69

331	The structure of HLA-B8 complexed to an immunodominant viral determinant: peptide-induced conformational changes and a mode of MHC class I dimerization. <i>Journal of Immunology</i> , 2002 , 169, 5153-60	5.3	69
330	The 1.7 Å crystal structure of Dronpa: a photoswitchable green fluorescent protein. <i>Journal of Molecular Biology</i> , 2006 , 364, 213-24	6.5	68
329	Molecular basis for universal HLA-A*0201-restricted CD8+ T-cell immunity against influenza viruses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 4440-5	11.5	68
328	Cleaved antitrypsin polymers at atomic resolution. <i>Protein Science</i> , 2000 , 9, 417-20	6.3	67
327	Self-interaction of pneumolysin, the pore-forming protein toxin of <i>Streptococcus pneumoniae</i> . <i>Journal of Molecular Biology</i> , 1998 , 284, 1223-37	6.5	67
326	A BAFF antagonist suppresses experimental autoimmune encephalomyelitis by targeting cell-mediated and humoral immune responses. <i>International Immunology</i> , 2006 , 18, 1473-85	4.9	66
325	Human leukocyte antigen-associated drug hypersensitivity. <i>Current Opinion in Immunology</i> , 2013 , 25, 81-9	7.8	65
324	The 1.5 Å crystal structure of a highly selected antiviral T cell receptor provides evidence for a structural basis of immunodominance. <i>Structure</i> , 2002 , 10, 1521-32	5.2	65
323	Allelic polymorphism in the T cell receptor and its impact on immune responses. <i>Journal of Experimental Medicine</i> , 2010 , 207, 1555-67	16.6	63
322	Structural and regulatory diversity shape HLA-C protein expression levels. <i>Nature Communications</i> , 2017 , 8, 15924	17.4	62
321	New ways to turn on NKT cells. <i>Journal of Experimental Medicine</i> , 2011 , 208, 1121-5	16.6	62
320	The crystal structure of glucose dehydrogenase from <i>Thermoplasma acidophilum</i> . <i>Structure</i> , 1994 , 2, 385-93	5.2	62
319	MAITs, MR1 and vitamin B metabolites. <i>Current Opinion in Immunology</i> , 2014 , 26, 7-13	7.8	61
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