Ellis L Reinherz

List of Publications by Year in Descending Order

246 papers	19,379 citations	72 h-index	133 g-index
259 ext. papers	20,559 ext. citations	14.1 avg, IF	6.16 L-index

#	Paper	IF	Citations
246	TCR-mimic bispecific antibodies to target the HIV-1 reservoir.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2123406119	11.5	0
245	Intrinsic Immunogenicity of Small Cell Lung Carcinoma Revealed by Its Cellular Plasticity. *Cancer Discovery*, **2021**, 11, 1952-1969	24.4	12
244	Molecular design of the αβ cell receptor ectodomain encodes biologically fit ligand recognition in the absence of mechanosensing. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	2
243	Pre-T cell receptors topologically sample self-ligands during thymocyte β selection. *Science*, **2021**, 371, 181-185	33.3	7
242	Single Molecule Force Spectroscopy Reveals Distinctions in Key Biophysical Parameters of αβT-Cell Receptors Compared with Chimeric Antigen Receptors Directed at the Same Ligand. *Journal of Physical Chemistry Letters*, **2021**, 12, 7566-7573	6.4	3
241	A general chemical crosslinking strategy for structural analyses of weakly interacting proteins applied to preTCR-pMHC complexes. *Journal of Biological Chemistry*, **2021**, 296, 100255	5.4	1
240	The TCR mechanosensor exploits dynamic ectodomain allostery to optimize its ligand recognition site. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 21336-21345	11.5	18
239	A Robotic Microscope System to Examine T Cell Receptor Acuity Against Tumor Neoantigens: A New Tool for Cancer Immunotherapy Research. *IEEE Robotics and Automation Letters*, **2019**, 4, 1760-1767	4.2	1
238	Topological analysis of the gp41 MPER on lipid bilayers relevant to the metastable HIV-1 envelope prefusion state. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 22556-22566	11.5	9
237	NMR: an essential structural tool for integrative studies of T cell development, pMHC ligand recognition and TCR mechanobiology. *Journal of Biomolecular NMR*, **2019**, 73, 319-332	3	9
236	Cancer Neoepitopes for Immunotherapy: Discordance Between Tumor-Infiltrating T Cell Reactivity and Tumor MHC Peptidome Display. *Frontiers in Immunology*, **2019**, 10, 2766	8.4	15
235	Surface-Matrix Screening Identifies Semi-specific Interactions that Improve Potency of a Near Pan-reactive HIV-1-Neutralizing Antibody. *Cell Reports*, **2018**, 22, 1798-1809	10.6	33
234	TCR-pMHC encounter differentially regulates transcriptomes of tissue-resident CD8 T cells. *European Journal of Immunology*, **2018**, 48, 128-150	6.1	21
233	Regulation of thymocyte trafficking by Tagap, a GAP domain protein linked to human autoimmunity. *Science Signaling*, **2018**, 11,	8.8	12
232	NMR-directed design of pre-TCR and pMHC molecules implies a distinct geometry for pre-TCR relative to TCR recognition of pMHC. *Journal of Biological Chemistry*, **2018**, 293, 754-766	5.4	5
231	The T Cell Antigen Receptor Transmembrane Domain Coordinates Triggering through Regulation of Bilayer Immersion and CD3 Subunit Associations. *Immunity*, **2018**, 49, 829-841.e6	32.3	36
230	Co-delivery of a CD4 T cell helper epitope via covalent liposome attachment with a surface-arrayed B cell target antigen fosters higher affinity antibody responses. *Vaccine*, **2018**, 36, 6191-6201	4.1	6

229	T Cell Receptor Mechanosensing Forces out Serial Engagement. *Trends in Immunology*, **2018**, 39, 596-609	14.4	41
228	TANTIGEN: a comprehensive database of tumor T cell antigens. *Cancer Immunology, Immunotherapy*, **2017**, 66, 731-735	7.4	37
227	Mechanosensing drives acuity of T-cell recognition. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E8204-E8213	11.5	95
226	Backbone resonance assignment of N15, N30 and D10 T cell receptor subunits. *Biomolecular NMR Assignments*, **2016**, 10, 35-9	0.7	3
225	Germinal Center Hypoxia Potentiates Immunoglobulin Class Switch Recombination. *Journal of Immunology*, **2016**, 197, 4014-4020	5.3	61
224	Generation of Long-Lived Bone Marrow Plasma Cells Secreting Antibodies Specific for the HIV-1 gp41 Membrane-Proximal External Region in the Absence of Polyreactivity. *Journal of Virology*, **2016**, 90, 8875-90	6.6	12
223	Pre-T Cell Receptors (Pre-TCRs) Leverage V Complementarity Determining Regions (CDRs) and Hydrophobic Patch in Mechanosensing Thymic Self-ligands. *Journal of Biological Chemistry*, **2016**, 291, 25292-25305	5.4	31
222	Constitutively oxidized CXXC motifs within the CD3 heterodimeric ectodomains of the T cell receptor complex enforce the conformation of juxtaposed segments.. *Journal of Biological Chemistry*, **2015**, 290, 239	5.4	78
221	Codification of bidentate pMHC interaction with TCR and its co-receptor. *Trends in Immunology*, **2015**, 36, 300-6	14.4	12
220	Reply to van de Sandt and Rimmelzwaan: Matching epitope display with functional avidity. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E2418	11.5	1
219	Structural Features of the TCR Mechanotransduction Apparatus That Promote pMHC Discrimination. *Frontiers in Immunology*, **2015**, 6, 441	8.4	42
218	FluKB: A Knowledge-Based System for Influenza Vaccine Target Discovery and Analysis of the Immunological Properties of Influenza Viruses. *Journal of Immunology Research*, **2015**, 2015, 380975	4.5	5
217	Pre-TCR ligand binding impacts thymocyte development before TCR expression. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 8373-8	11.5	41
216	TCR-mediated recognition: relevance to tumor-antigen discovery and cancer immunotherapy. *Cancer Immunology Research*, **2015**, 3, 305-12	12.5	18
215	Liposomal vaccines incorporating molecular adjuvants and intrastructural T-cell help promote the immunogenicity of HIV membrane-proximal external region peptides. *Vaccine*, **2015**, 33, 861-8	4.1	61
214	Physical detection of influenza A epitopes identifies a stealth subset on human lung epithelium evading natural CD8 immunity. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 2151-6	11.5	31
213	Force-dependent transition in the T-cell receptor subunit allosterically regulates peptide discrimination and pMHC bond lifetime. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 1517-22	11.5	140
212	Disruption of helix-capping residues 671 and 674 reveals a role in HIV-1 entry for a specialized hinge segment of the membrane proximal external region of gp41. *Journal of Molecular Biology*, **2014**, 426, 1095-108	6.5	25

211	Quantitative phosphoproteomic analysis reveals system-wide signaling pathways downstream of SDF-1/CXCR4 in breast cancer stem cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E2182-90	11.5	91
210	Constitutively oxidized CXXC motifs within the CD3 heterodimeric ectodomains of the T cell receptor complex enforce the conformation of juxtaposed segments. *Journal of Biological Chemistry*, **2014**, 289, 18880-92	5.4	22
209	Forward Vaccinology: CTL Targeting Based upon Physical Detection of HLA-Bound Peptides. *Frontiers in Immunology*, **2014**, 5, 418	8.4	7
208	Dynamic control of β1 integrin adhesion by the plexinD1-sema3E axis. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 379-84	11.5	53
207	Human leukocyte antigen typing using a knowledge base coupled with a high-throughput oligonucleotide probe array analysis. *Frontiers in Immunology*, **2014**, 5, 597	8.4	2
206	Large-scale analysis of B-cell epitopes on influenza virus hemagglutinin - implications for cross-reactivity of neutralizing antibodies. *Frontiers in Immunology*, **2014**, 5, 38	8.4	11
205	Revisiting the Discovery of the αβTCR Complex and Its Co-Receptors. *Frontiers in Immunology*, **2014**, 5, 583	8.4	3
204	Immunogenicity of membrane-bound HIV-1 gp41 membrane-proximal external region (MPER) segments is dominated by residue accessibility and modulated by stereochemistry. *Journal of Biological Chemistry*, **2013**, 288, 31888-901	5.4	33
203	HPVdb **2013**,		1
202	Revisiting the putative TCR Cβ dimerization model through structural analysis. *Frontiers in Immunology*, **2013**, 4, 16	8.4	5
201	Strict Major Histocompatibility Complex Molecule Class-Specific Binding by Co-Receptors Enforces MHC-Restricted αβTCR Recognition during T Lineage Subset Commitment. *Frontiers in Immunology* , **2013**, 4, 383	8.4	11
200	Plxnd1 expression in thymocytes regulates their intrathymic migration while that in thymic endothelium impacts medullary topology. *Frontiers in Immunology*, **2013**, 4, 392	8.4	12
199	Identification of human leucocyte antigen (HLA)-A*0201-restricted cytotoxic T lymphocyte epitopes derived from HLA-DOβ as a novel target for multiple myeloma. *British Journal of Haematology*, **2013**, 163, 343-51	4.5	13
198	Pillars article: Monoclonal antibodies defining distinctive human T cell surface antigens. Science. 1979. 206: 347-349. *Journal of Immunology*, **2013**, 190, 5351-3	5.3	3
197	Identification and validation of reference genes for expression studies in human keratinocyte cell lines treated with and without interferon-γ a method for qRT-PCR reference gene determination. *Experimental Dermatology*, **2012**, 21, 625-9	4	23
196	The structural basis of αβT-lineage immune recognition: TCR docking topologies, mechanotransduction, and co-receptor function. *Immunological Reviews*, **2012**, 250, 102-19	11.3	75
195	TCR Mechanobiology: Torques and Tunable Structures Linked to Early T Cell Signaling. *Frontiers in Immunology*, **2012**, 3, 76	8.4	58
194	Antibody mechanics on a membrane-bound HIV segment essential for GP41-targeted viral neutralization. *Nature Structural and Molecular Biology*, **2011**, 18, 1235-43	17.6	77

193	A new angle on TCR activation. *Immunity*, **2011**, 35, 658-60	32.3	4
192	Molecular T cell biology -- basic and translational challenges in the twenty-first century. *Frontiers in Immunology*, **2011**, 2, 3	8.4	2
191	A conserved hydrophobic patch on V□domains revealed by TCR□chain crystal structures: Implications for pre-TCR dimerization. *Frontiers in Immunology*, **2011**, 2, 5	8.4	16
190	Conservation analysis of dengue virus T-cell epitope-based vaccine candidates using Peptide block entropy. *Frontiers in Immunology*, **2011**, 2, 69	8.4	16
189	Direct identification of an HPV-16 tumor antigen from cervical cancer biopsy specimens. *Frontiers in Immunology*, **2011**, 2, 75	8.4	18
188	MULTIPRED2: a computational system for large-scale identification of peptides predicted to bind to HLA supertypes and alleles. *Journal of Immunological Methods*, **2011**, 374, 53-61	2.5	46
187	Dana-Farber repository for machine learning in immunology. *Journal of Immunological Methods*, **2011**, 374, 18-25	2.5	24
186	Impaired tumor antigen processing by immunoproteasome-expressing CD40-activated B cells and dendritic cells. *Cancer Immunology, Immunotherapy*, **2011**, 60, 857-67	7.4	10
185	Induction of anti-tumor cytotoxic T cell responses through PLGA-nanoparticle mediated antigen delivery. *Biomaterials*, **2011**, 32, 3666-78	15.6	185
184	Impaired B cell development and function in the absence of IkappaBNS. *Journal of Immunology*, **2011**, 187, 3942-52	5.3	30
183	FLAVIdB: A data mining system for knowledge discovery in flaviviruses with direct applications in immunology and vaccinology. *Immunome Research*, **2011**, 7,		11
182	Significant impact of sequence variations in the nucleoprotein on CD8 T cell-mediated cross-protection against influenza A virus infections. *PLoS ONE*, **2010**, 5, e10583	3.7	20
181	Graft-versus-leukemia antigen CML66 elicits coordinated B-cell and T-cell immunity after donor lymphocyte infusion. *Clinical Cancer Research*, **2010**, 16, 2729-39	12.9	32
180	Distinctive CD3 heterodimeric ectodomain topologies maximize antigen-triggered activation of alpha beta T cell receptors. *Journal of Immunology*, **2010**, 185, 2951-9	5.3	30
179	Interactions between lipids and human anti-HIV antibody 4E10 can be reduced without ablating neutralizing activity. *Journal of Virology*, **2010**, 84, 1076-88	6.6	42
178	Molecular detection of targeted major histocompatibility complex I-bound peptides using a probabilistic measure and nanospray MS3 on a hybrid quadrupole-linear ion trap. *Analytical Chemistry*, **2010**, 82, 9090-9	7.8	16
177	A conserved E7-derived cytotoxic T lymphocyte epitope expressed on human papillomavirus 16-transformed HLA-A2+ epithelial cancers. *Journal of Biological Chemistry*, **2010**, 285, 29608-22	5.4	57
176	The alphabeta T cell receptor is an anisotropic mechanosensor. *Journal of Biological Chemistry*, **2009**, 284, 31028-37	5.4	274

175	Broadly neutralizing anti-HIV-1 antibodies disrupt a hinge-related function of gp41 at the membrane interface. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 9057-62	11.5	92
174	Pyrin Modulates the Intracellular Distribution of PSTPIP1. *PLoS ONE*, **2009**, 4, e6147	3.7	41
173	Graft-Versus-Leukemia Antigen CML66 Elicits Coordinated B and T Cell Immunity After Donor Lymphocyte Infusion.. *Blood*, **2009**, 114, 2449-2449	2.2	
172	Structural and functional evidence that Nck interaction with CD3epsilon regulates T-cell receptor activity. *Journal of Molecular Biology*, **2008**, 380, 704-16	6.5	40
171	HIV-1 broadly neutralizing antibody extracts its epitope from a kinked gp41 ectodomain region on the viral membrane. *Immunity*, **2008**, 28, 52-63	32.3	235
170	Immunodominant-peptide recognition: beta testing TCRalphabeta. *Immunity*, **2008**, 28, 139-41	32.3	4
169	Polymer-supported lipid shells, onions, and flowers. *Soft Matter*, **2008**, 4, 1787-1791	3.6	71
168	PlexinD1 glycoprotein controls migration of positively selected thymocytes into the medulla. *Immunity*, **2008**, 29, 888-98	32.3	98
167	Proteome informatics for cancer research: from molecules to clinic. *Proteomics*, **2007**, 7, 976-91	4.8	22
166	Importance of the CD3gamma ectodomain terminal beta-strand and membrane proximal stalk in thymic development and receptor assembly. *Journal of Immunology*, **2007**, 178, 3668-79	5.3	19
165	Functional role for I kappa BNS in T cell cytokine regulation as revealed by targeted gene disruption. *Journal of Immunology*, **2007**, 179, 1681-92	5.3	40
164	Major neutralizing sites on vaccinia virus glycoprotein B5 are exposed differently on variola virus ortholog B6. *Journal of Virology*, **2007**, 81, 8131-9	6.6	21
163	CTL recognition of a protective immunodominant influenza A virus nucleoprotein epitope utilizes a highly restricted Vbeta but diverse Valpha repertoire: functional and structural implications. *Journal of Molecular Biology*, **2007**, 372, 535-48	6.5	24
162	The TCR C beta FG loop regulates alpha beta T cell development. *Journal of Immunology*, **2006**, 176, 6812-23	5.3	35
161	CD2BP1 modulates CD2-dependent T cell activation via linkage to protein tyrosine phosphatase (PTP)-PEST. *Journal of Immunology*, **2006**, 176, 5898-907	5.3	52
160	Elicitation from virus-naive individuals of cytotoxic T lymphocytes directed against conserved HIV-1 epitopes. *Medical Immunology*, **2006**, 5, 1		32
159	Recognition and classification of histones using support vector machine. *Journal of Computational Biology*, **2006**, 13, 102-12	1.7	62
158	Crystal structures of murine MHC Class I H-2 D(b) and K(b) molecules in complex with CTL epitopes from influenza A virus: implications for TCR repertoire selection and immunodominance. *Journal of Molecular Biology*, **2005**, 345, 1099-110	6.5	42

157	Structural and mutational analyses of a CD8alphabeta heterodimer and comparison with the CD8alphaalpha homodimer. *Immunity*, **2005**, 23, 661-71	32.3	38
156	Prediction of methylated CpGs in DNA sequences using a support vector machine. *FEBS Letters*, **2005**, 579, 4302-8	3.8	78
155	CD8 alpha alpha homodimer expression and role in CD8 T cell memory generation during influenza virus A infection in mice. *European Journal of Immunology*, **2005**, 35, 3103-10	6.1	24
154	Design, expression, and immunogenicity of a soluble HIV trimeric envelope fragment adopting a prefusion gp41 configuration. *Journal of Biological Chemistry*, **2005**, 280, 23138-46	5.4	21
153	Molecular basis for the high affinity interaction between the thymic leukemia antigen and the CD8alphaalpha molecule. *Journal of Immunology*, **2005**, 174, 3501-7	5.3	22
152	Antiviral chemotherapy facilitates control of poxvirus infections through inhibition of cellular signal transduction. *Journal of Clinical Investigation*, **2005**, 115, 379-87	15.9	50
151	Solution structure of the CD3epsilondelta ectodomain and comparison with CD3epsilongamma as a basis for modeling T cell receptor topology and signaling. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 16867-72	11.5	96
150	Biochemical and functional analysis of smallpox growth factor (SPGF) and anti-SPGF monoclonal antibodies. *Journal of Biological Chemistry*, **2004**, 279, 25838-48	5.4	34
149	In vivo selection of a TCR Vbeta repertoire directed against an immunodominant influenza virus CTL epitope. *International Immunology*, **2004**, 16, 1549-59	4.9	36
148	Peptide variants of viral CTL epitopes mediate positive selection and emigration of Ag-specific thymocytes in vivo. *Journal of Immunology*, **2004**, 173, 1140-50	5.3	7
147	A chimeric protein of simian immunodeficiency virus envelope glycoprotein gp140 and Escherichia coli aspartate transcarbamoylase. *Journal of Virology*, **2004**, 78, 4508-16	6.6	15
146	Enhancement to the RANKPEP resource for the prediction of peptide binding to MHC molecules using profiles. *Immunogenetics*, **2004**, 56, 405-19	3.2	264
145	Phage-displayed libraries of peptide/major histocompatibility complexes. *European Journal of Immunology*, **2004**, 34, 598-607	6.1	8
144	Genome-wide characterization of a viral cytotoxic T lymphocyte epitope repertoire. *Journal of Biological Chemistry*, **2003**, 278, 45135-44	5.4	78
143	Sialic acid capping of CD8beta core 1-O-glycans controls thymocyte-major histocompatibility complex class I interaction. *Journal of Biological Chemistry*, **2003**, 278, 7240-6	5.4	65
142	CD2BP3, CIN85 and the structurally related adaptor protein CMS bind to the same CD2 cytoplasmic segment, but elicit divergent functional activities. *International Immunology*, **2003**, 15, 313-29	4.9	40
141	CD2 engagement induces dendritic cell activation: implications for immune surveillance and T-cell activation. *Blood*, **2003**, 102, 1745-52	2.2	34
140	Structural investigations of a GYF domain covalently linked to a proline-rich peptide. *Journal of Biomolecular NMR*, **2003**, 27, 143-9	3	22

139	Disparate peptide-dependent thymic selection outcomes in beta2M-deficient mice versus TAP-1-deficient mice: implications for repertoire formation. *European Journal of Immunology*, **2003**, 33, 368-80	6.1	2
138	Sequence variability analysis of human class I and class II MHC molecules: functional and structural correlates of amino acid polymorphisms. *Journal of Molecular Biology*, **2003**, 331, 623-41	6.5	299
137	The crystal structure of a TL/CD8alphaalpha complex at 2.1 A resolution: implications for modulation of T cell activation and memory. *Immunity*, **2003**, 18, 205-15	32.3	74
136	Gene expression analysis of thymocyte selection in vivo. *International Immunology*, **2003**, 15, 1237-48	4.9	39
135	Dynamic interaction of CD2 with the GYF and the SH3 domain of compartmentalized effector molecules. *EMBO Journal*, **2002**, 21, 5985-95	13	71
134	Peptide-independent folding and CD8 alpha alpha binding by the nonclassical class I molecule, thymic leukemia antigen. *Journal of Immunology*, **2002**, 169, 5708-14	5.3	25
133	CD2 molecules redistribute to the uropod during T cell scanning: implications for cellular activation and immune surveillance. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 7582-7	11.5	42
132	Involvement of the TCR Cbeta FG loop in thymic selection and T cell function. *Journal of Experimental Medicine*, **2002**, 195, 1419-31	16.6	31
131	CD2 facilitates differentiation of CD4 Th cells without affecting Th1/Th2 polarization. *Journal of Immunology*, **2002**, 168, 1113-22	5.3	11
130	Peptide-induced negative selection of thymocytes activates transcription of an NF-kappa B inhibitor. *Molecular Cell*, **2002**, 9, 637-48	17.6	100
129	Prediction of MHC class I binding peptides using profile motifs. *Human Immunology*, **2002**, 63, 701-9	2.3	295
128	Structural basis of T cell recognition of peptides bound to MHC molecules. *Molecular Immunology*, **2002**, 38, 1039-49	4.3	76
127	The CD8alphabeta co-receptor on double-positive thymocytes binds with differing affinities to the products of distinct class I MHC loci. *European Journal of Immunology*, **2001**, 31, 2791-9	6.1	33
126	Critical role of NK but not NKT cells in acute rejection of parental bone marrow cells in F1 hybrid mice. *European Journal of Immunology*, **2001**, 31, 3147-52	6.1	29
125	The stoichiometry of trimeric SIV glycoprotein interaction with CD4 differs from that of anti-envelope antibody Fab fragments. *Journal of Biological Chemistry*, **2001**, 276, 42667-76	5.4	26
124	T Cell Receptor Binding to a pMHCII Ligand Is Kinetically Distinct from and Independent of CD4. *Journal of Biological Chemistry*, **2001**, 276, 5659-67	5.4	81
123	A critical role for CD2 in both thymic selection events and mature T cell function. *Journal of Immunology*, **2001**, 166, 2394-403	5.3	37
122	Dynamic recruitment of human CD2 into lipid rafts. Linkage to T cell signal transduction. *Journal of Biological Chemistry*, **2001**, 276, 18775-85	5.4	39

121	A naturally processed mitochondrial self-peptide in complex with thymic MHC molecules functions as a selecting ligand for a viral-specific T cell receptor. *Journal of Experimental Medicine*, **2001**, 194, 883-92	16.6	30
120	T cell responses modulated through interaction between CD8alphaalpha and the nonclassical MHC class I molecule, TL. *Science*, **2001**, 294, 1936-9	33.3	196
119	Molecular dissection of the CD2-CD58 counter-receptor interface identifies CD2 Tyr86 and CD58 Lys34 residues as the functional "hot spot". *Journal of Molecular Biology*, **2001**, 312, 711-20	6.5	41
118	Mechanisms contributing to T cell receptor signaling and assembly revealed by the solution structure of an ectodomain fragment of the CD3 epsilon gamma heterodimer. *Cell*, **2001**, 105, 913-23	56.2	150
117	Developmentally regulated glycosylation of the CD8alphabeta coreceptor stalk modulates ligand binding. *Cell*, **2001**, 107, 501-12	56.2	173
116	Expression, purification, and characterization of recombinant HIV gp140. The gp41 ectodomain of HIV or simian immunodeficiency virus is sufficient to maintain the retroviral envelope glycoprotein as a trimer. *Journal of Biological Chemistry*, **2001**, 276, 39577-85	5.4	68
115	Thymic selection is influenced by subtle structural variation involving the p4 residue of an MHC class I-bound peptide. *European Journal of Immunology*, **2000**, 30, 1281-9	6.1	18
114	Human CD4 residue Phe 43 is critical for repertoire development and maturation of MHC class II restricted CD4 single-positive T lineage cells in vivo. *European Journal of Immunology*, **2000**, 30, 279-90	6.1	6
113	Two YxxL segments of a single immunoreceptor tyrosine-based activation motif in the CD3zeta molecule differentially activate calcium mobilization and mitogen-activated protein kinase family pathways. *European Journal of Immunology*, **2000**, 30, 1785-93	6.1	5
112	Structural basis of cell-cell interactions in the immune system. *Current Opinion in Structural Biology*, **2000**, 10, 656-61	8.1	29
111	GAKIN, a novel kinesin-like protein associates with the human homologue of the Drosophila discs large tumor suppressor in T lymphocytes. *Journal of Biological Chemistry*, **2000**, 275, 28774-84	5.4	116
110	Expression, purification, and characterization of gp160e, the soluble, trimeric ectodomain of the simian immunodeficiency virus envelope glycoprotein, gp160. *Journal of Biological Chemistry*, **2000**, 275, 34946-53	5.4	31
109	Heterodimeric CD3epsilongamma extracellular domain fragments: production, purification and structural analysis. *Journal of Molecular Biology*, **2000**, 302, 899-916	6.5	16
108	Expression, purification, and functional analysis of murine ectodomain fragments of CD8alphaalpha and CD8alphabeta dimers. *Journal of Biological Chemistry*, **1999**, 274, 27237-43	5.4	72
107	The GYF domain is a novel structural fold that is involved in lymphoid signaling through proline-rich sequences. *Nature Structural Biology*, **1999**, 6, 656-60		73
106	Structure, specificity and CDR mobility of a class II restricted single-chain T-cell receptor. *Nature Structural Biology*, **1999**, 6, 574-81		75
105	Structure of a heterophilic adhesion complex between the human CD2 and CD58 (LFA-3) counterreceptors. *Cell*, **1999**, 97, 791-803	56.2	197
104	Structural basis of CD8 coreceptor function revealed by crystallographic analysis of a murine CD8alphaalpha ectodomain fragment in complex with H-2Kb. *Immunity*, **1998**, 9, 519-30	32.3	160

103	A p56lck-independent pathway of CD2 signaling involves Jun kinase. *Journal of Biological Chemistry* , **1998**, 273, 24249-57	5.4	19
102	One of the CD3epsilon subunits within a T cell receptor complex lies in close proximity to the Cbeta FG loop. *Journal of Experimental Medicine*, **1998**, 187, 1529-36	16.6	60
101	Topology of T cell receptor-peptide/class I MHC interaction defined by charge reversal complementation and functional analysis. *Journal of Molecular Biology*, **1997**, 271, 278-93	6.5	39
100	High-level production of a secreted, heterodimeric alpha beta murine T-cell receptor in Escherichia coli. *Journal of Immunological Methods*, **1997**, 206, 163-9	2.5	14
99	T-cell receptor ligation by peptide/MHC induces activation of a caspase in immature thymocytes: the molecular basis of negative selection. *EMBO Journal*, **1997**, 16, 2282-93	13	73
98	Major histocompatibility complex recognition by immune receptors: differences among T cell receptor versus antibody interactions with the VSV8/H-2Kb complex. *European Journal of Immunology*, **1997**, 27, 227-33	6.1	8
97	Functional analysis of immunoreceptor tyrosine-based activation motif (ITAM)-mediated signal transduction: the two YxxL segments within a single CD3zeta-ITAM are functionally distinct. *European Journal of Immunology*, **1997**, 27, 2001-9	6.1	34
96	Double-positive T cell receptor(high) thymocytes are resistant to peptide/major histocompatibility complex ligand-induced negative selection. *European Journal of Immunology*, **1997**, 27, 2279-89	6.1	24
95	CD2 signaling in T cells involves tyrosine phosphorylation and activation of the Tec family kinase, EMT/ITK/TSK. *International Immunology*, **1996**, 8, 1707-14	4.9	33
94	Ligand-induced conformational change within the CD2 ectodomain accompanies receptor clustering: implication for molecular lattice formation. *Journal of Molecular Biology*, **1996**, 263, 209-26	6.5	28
93	T lymphocyte development in the absence of Fc epsilon receptor I gamma subunit: analysis of thymic-dependent and independent alpha beta and gamma delta pathways. *European Journal of Immunology*, **1996**, 26, 1935-43	6.1	18
92	Crystallization of a deglycosylated T cell receptor (TCR) complexed with an anti-TCR Fab fragment. *Journal of Biological Chemistry*, **1996**, 271, 33639-46	5.4	29
91	Molecular recognition of antigen involves lattice formation between CD4, MHC class II and TCR molecules. *Trends in Immunology*, **1995**, 16, 581-7		73
90	The distribution of CD10 (NEP 24.11, CALLA) in humans and mice is similar in non-lymphoid organs but differs within the hematopoietic system: absence on murine T and B lymphoid progenitors. *European Journal of Immunology*, **1995**, 25, 677-87	6.1	17
89	Response from Moeblus and Reinherz. *Trends in Microbiology*, **1993**, 1, 120-121	12.4	
88	Thymic and peripheral apoptosis of antigen-specific T cells might cooperate in establishing self tolerance. *European Journal of Immunology*, **1993**, 23, 747-53	6.1	49
87	Efficient pattern comparative method for selecting functionally important motifs in protein sequences: application to zinc enzymes. *BioSystems*, **1993**, 30, 233-40	1.9	2
86	Structure of the glycosylated adhesion domain of human T lymphocyte glycoprotein CD2. *Structure*, **1993**, 1, 69-81	5.2	64

85	Inhibition of T cell activation and adhesion functions by soluble CD2 protein. *Cellular Immunology*, **1993**, 149, 24-38	4.4	7
84	Characterization of Fc epsilon RI gamma in human natural killer cells. *International Immunology*, **1992**, 4, 955-8	4.9	5
83	A population of early fetal thymocytes expressing Fc gamma RII/III contains precursors of T lymphocytes and natural killer cells. *Cell*, **1992**, 69, 139-50	56.2	237
82	Human genomic sequences corresponding to murine CD3 eta-related transcripts: lack of conservation or expression of homologous human products. *European Journal of Immunology*, **1992**, 22, 2135-40	6.1	9
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