Hidde L Ploegh

List of Publications by Year
in descending order

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520 papers	60,866 citations	668 122 h-index	1424 221 g-index
543 all docs	543 docs citations	543 times ranked	54908 citing authors

#	Article	IF	Citations
1	Genome-Scale CRISPR-Mediated Control of Gene Repression and Activation. Cell, 2014, 159, 647-661.	28.9	2,176
2	CX ₃ CR1-Mediated Dendritic Cell Access to the Intestinal Lumen and Bacterial Clearance. Science, 2005, 307, 254-258.	12.6	1,449
3	Sec6l-mediated transfer of a membrane protein from the endoplasmic reticulum to the proteasome for destruction. Nature, 1996, 384, 432-438.	27.8	1,054
4	The Human Cytomegalovirus US11 Gene Product Dislocates MHC Class I Heavy Chains from the Endoplasmic Reticulum to the Cytosol. Cell, 1996, 84, 769-779.	28.9	1,035
5	Increasing the efficiency of precise genome editing with CRISPR-Cas9 by inhibition of nonhomologous end joining. Nature Biotechnology, 2015, 33, 538-542.	17.5	945
6	Empty MHC class I molecules come out in the cold. Nature, 1990, 346, 476-480.	27.8	905
7	Herpes simplex virus turns off the TAP to evade host immunity. Nature, 1995, 375, 411-415.	27.8	837
8	Viral Subversion of the Immune System. Annual Review of Immunology, 2000, 18, 861-926.	21.8	764
9	TAP1 mutant mice are deficient in antigen presentation, surface class I molecules, and CD4â˜'8+ T cells. Cell, 1992, 71, 1205-1214.	28.9	677
10	An unconventional role for miRNA: let-7 activates Toll-like receptor 7 and causes neurodegeneration. Nature Neuroscience, 2012, 15, 827-835.	14.8	647
11	Segregation of MHC class II molecules from MHC class I molecules in the Golgi complex for transport to lysosomal compartments. Nature, 1991, 349, 669-676.	27.8	645
12	Interference with HIV-induced syncytium formation and viral infectivity by inhibitors of trimming glucosidase. Nature, 1987, 330, 74-77.	27.8	628
13	Cathepsin L: Critical Role in Ii Degradation and CD4 T Cell Selection in the Thymus. Science, 1998, 280, 450-453.	12.6	624
14	A membrane protein required for dislocation of misfolded proteins from the ER. Nature, 2004, 429, 834-840.	27.8	619
15	UNC93B1 delivers nucleotide-sensing toll-like receptors to endolysosomes. Nature, 2008, 452, 234-238.	27.8	589
16	Multiple Associated Proteins Regulate Proteasome Structure and Function. Molecular Cell, 2002, 10, 495-507.	9.7	579
17	Road to Ruin: Targeting Proteins for Degradation in the Endoplasmic Reticulum. Science, 2011, 334, 1086-1090.	12.6	559
18	The Angelman Syndrome Protein Ube3A Regulates Synapse Development by Ubiquitinating Arc. Cell, 2010, 140, 704-716.	28.9	554

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19	Acetylation of the C Terminus of Ku70 by CBP and PCAF Controls Bax-Mediated Apoptosis. Molecular Cell, 2004, 13, 627-638.	9.7	550
20	Chemistry-Based Functional Proteomics Reveals Novel Members of the Deubiquitinating Enzyme Family. Chemistry and Biology, 2002, 9, 1149-1159.	6.0	533
21	The known unknowns of antigen processing and presentation. Nature Reviews Immunology, 2008, 8, 607-618.	22.7	529
22	CEACAM1 regulates TIM-3-mediated tolerance and exhaustion. Nature, 2015, 517, 386-390.	27.8	525
23	Major histocompatibility antigens: The human (HLA-A,-B,-C) and murine (H-2K, H-2D) class I molecules. Cell, 1981, 24, 287-299.	28.9	517
24	Essential Role for Cathepsin S in MHC Class IIâ€“Associated Invariant Chain Processing and Peptide Loading. Immunity, 1996, 4, 357-366.	14.3	502
25	Sortagging: a versatile method for protein labeling. Nature Chemical Biology, 2007, 3, 707-708.	8.0	494
26	Cathepsin S Required for Normal MHC Class II Peptide Loading and Germinal Center Development. Immunity, 1999, 10, 197-206.	14.3	486
27	Regulation of monoubiquitinated PCNA by DUB autocleavage. Nature Cell Biology, 2006, 8, 341-347.	10.3	486
28	A novel active site-directed probe specific for deubiquitylating enzymes reveals proteasome association of USP14. EMBO Journal, 2001, 20, 5187-5196.	7.8	469
29	Haploid Genetic Screens in Human Cells Identify Host Factors Used by Pathogens. Science, 2009, 326, 1231-1235.	12.6	452
30	The ER-Luminal Domain of the HCMV Glycoprotein US6 Inhibits Peptide Translocation by TAP. Immunity, 1997, 6, 613-621.	14.3	441
31	Isolation and characterization of the intracellular MHC class II compartment. Nature, 1994, 369, 120-126.	27.8	440
32	Crystal Structure of the Boronic Acid-Based Proteasome Inhibitor Bortezomib in Complex with the Yeast 20S Proteasome. Structure, 2006, 14, 451-456.	3.3	431
33	Generation, Translocation, and Presentation of MHC Class I-Restricted Peptides. Annual Review of Biochemistry, 1995, 64, 463-491.	11.1	421
34	Proteolytic cleavage in an endolysosomal compartment is required for activation of Toll-like receptor 9. Nature Immunology, 2008, 9, 1407-1414.	14.5	420
35	Direct binding of peptide to empty MHC class I molecules on intact cells and in vitro. Cell, 1990, 62, 563-567.	28.9	415
36	A microengraving method for rapid selection of single cells producing antigen-specific antibodies. Nature Biotechnology, 2006, 24, 703-707.	17.5	410

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37	The interaction between the ER membrane protein UNC93B and TLR3, 7, and 9 is crucial for TLR signaling. Journal of Cell Biology, 2007, 177, 265-275.	5.2	392
38	Accessory molecules for Toll-like receptors and their function. Nature Reviews Immunology, 2012, 12, 168-179.	22.7	374
39	T-cell engagement of dendritic cells rapidly rearranges MHC class II transport. Nature, 2002, 418, 983-988.	27.8	368
40	Mice lacking the MHC class II-associated invariant chain. Cell, 1993, 72, 635-648.	28.9	360
41	TAP1-dependent peptide translocation in vitro is ATP dependent and peptide selective. Cell, 1993, 74, 577-584.	28.9	348
42	CD8Î±+ Dendritic Cells Are the Critical Source of Interleukin-12 that Controls Acute Infection by Toxoplasma gondii Tachyzoites. Immunity, 2011, 35, 249-259.	14.3	334
43	Dendrimer-RNA nanoparticles generate protective immunity against lethal Ebola, H1N1 influenza, and Toxoplasma gondii challenges with a single dose. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4133-42.	7.1	320
44	Novel mannosidase inhibitor blocking conversion of high mannose to complex oligosaccharides. Nature, 1984, 307, 755-758.	27.8	319
45	Mice Lacking H2-M Complexes, Enigmatic Elements of the MHC Class II Peptide-Loading Pathway. Cell, 1996, 84, 531-541.	28.9	312
46	Neuronal loss and brain atrophy in mice lacking cathepsins B and L. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 7883-7888.	7.1	303
47	The systemic response to surgery triggers the outgrowth of distant immune-controlled tumors in mouse models of dormancy. Science Translational Medicine, 2018, 10, .	12.4	301
48	Epithelial-to-Mesenchymal Transition Contributes to Immunosuppression in Breast Carcinomas. Cancer Research, 2017, 77, 3982-3989.	0.9	294
49	Ubiquitin-Like Proteins. Annual Review of Biochemistry, 2012, 81, 323-357.	11.1	293
50	Site-specific C-terminal and internal loop labeling of proteins using sortase-mediated reactions. Nature Protocols, 2013, 8, 1787-1799.	12.0	291
51	Multiprotein complexes that link dislocation, ubiquitination, and extraction of misfolded proteins from the endoplasmic reticulum membrane. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14296-14301.	7.1	288
52	Durable antitumor responses to CD47 blockade require adaptive immune stimulation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E2646-54.	7.1	272
53	A proteolytic system that compensates for loss of proteasome function. Nature, 1998, 392, 618-622.	27.8	266
54	Peptide contributes to the specificity of positive selection of CD8+ T cells in the thymus. Cell, 1993, 73, 1041-1049.	28.9	261

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55	Structural basis for chemokine recognition and activation of a viral G proteinâ€“coupled receptor. Science, 2015, 347, 1113-1117.	12.6	261
56	Peptide selection by MHC class I molecules. Nature, 1991, 350, 703-706.	27.8	257
57	How MHC Class II Molecules Acquire Peptide Cargo: Biosynthesis and Trafficking through the Endocytic Pathway. Annual Review of Cell and Developmental Biology, 1995, 11, 267-306.	9.4	250
58	Epithelial-to-Mesenchymal Transition Activates PERKâ€“eIF2Î± and Sensitizes Cells to Endoplasmic Reticulum Stress. Cancer Discovery, 2014, 4, 702-715.	9.4	250
59	A lipid-based model for the creation of an escape hatch from the endoplasmic reticulum. Nature, 2007, 448, 435-438.	27.8	246
60	Ubiquitination, Ubiquitin-like Modifiers, and Deubiquitination in Viral Infection. Cell Host and Microbe, 2009, 5, 559-570.	11.0	245
61	Making and Breaking Peptide Bonds: Protein Engineering Using Sortase. Angewandte Chemie - International Edition, 2011, 50, 5024-5032.	13.8	245
62	The WD-40 repeat. FEBS Letters, 1992, 307, 131-134.	2.8	238
63	Activity probe for in vivo profiling of the specificity of proteasome inhibitor bortezomib. Nature Methods, 2005, 2, 357-362.	19.0	230
64	Allele and locus-specific differences in cell surface expression and the association of HLA class I heavy chain with Î²2-microglobulin: differential effects of inhibition of glycosylation on class I subunit association. European Journal of Immunology, 1988, 18, 801-810.	2.9	229
65	A Deubiquitinating Enzyme Encoded by HSV-1 Belongs to a Family of Cysteine Proteases that Is Conserved across the Family Herpesviridae. Molecular Cell, 2005, 19, 547-557.	9.7	229
66	Proteases involved in MHC dass II antigen presentation. Immunological Reviews, 1999, 172, 109-120.	6.0	223
67	Site-Specific N- and C-Terminal Labeling of a Single Polypeptide Using Sortases of Different Specificity. Journal of the American Chemical Society, 2009, 131, 10800-10801.	13.7	223
68	Differential dependence of CD4+CD25+ regulatory and natural killer-like T cells on signals leading to NF-ÂB activation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 4566-4571.	7.1	218
69	Role for Cathepsin F in Invariant Chain Processing and Major Histocompatibility Complex Class II Peptide Loading by Macrophages. Journal of Experimental Medicine, 2000, 191, 1177-1186.	8.5	216
70	Site-specific N-terminal labeling of proteins using sortase-mediated reactions. Nature Protocols, 2013, 8, 1800-1807.	12.0	215
71	A Single Protease, Apg4B, Is Specific for the Autophagy-related Ubiquitin-like Proteins GATE-16, MAP1-LC3, GABARAP, and Apg8L. Journal of Biological Chemistry, 2003, 278, 51841-51850.	3.4	213
72	SEL1L nucleates a protein complex required for dislocation of misfolded glycoproteins. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 12325-12330.	7.1	211

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73	Cathepsin S Controls the Trafficking and Maturation of Mhc Class II Molecules in Dendritic Cells. Journal of Cell Biology, 1999, 147, 775-790.	5.2	210
74	Global gene disruption in human cells to assign genes to phenotypes by deep sequencing. Nature Biotechnology, 2011, 29, 542-546.	17.5	207
75	Helicobacter pylori cytotoxin-associated gene A (CagA) subverts the apoptosis-stimulating protein of p53 (ASPP2) tumor suppressor pathway of the host. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9238-9243.	7.1	205
76	Nanobody-based CAR T cells that target the tumor microenvironment inhibit the growth of solid tumors in immunocompetent mice. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7624-7631.	7.1	205
77	Analysis of Protease Activity in Live Antigen-presenting Cells Shows Regulation of the Phagosomal Proteolytic Contents During Dendritic Cell Activation. Journal of Experimental Medicine, 2002, 196, 529-540.	8.5	201
78	A role for N-glycanase in the cytosolic turnover of glycoproteins. EMBO Journal, 2003, 22, 1036-1046.	7.8	198
79	In vivo discovery of immunotherapy targets in the tumour microenvironment. Nature, 2014, 506, 52-57.	27.8	197
80	Mechanisms, biology and inhibitors of deubiquitinating enzymes. Nature Chemical Biology, 2007, 3, 697-705.	8.0	196
81	A guide to antigen processing and presentation. Nature Reviews Immunology, 2022, 22, 751-764.	22.7	195
82	Noninvasive imaging of immune responses. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6146-6151.	7.1	192
83	Activity-based ubiquitin-specific protease (USP) profiling of virus-infected and malignant human cells. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 2253-2258.	7.1	191
84	Chemical Probes for the Rapid Detection of Fatty-Acylated Proteins in Mammalian Cells. Journal of the American Chemical Society, 2007, 129, 2744-2745.	13.7	191
85	Predicting the response to CTLA-4 blockade by longitudinal noninvasive monitoring of CD8 T cells. Journal of Experimental Medicine, 2017, 214, 2243-2255.	8.5	187
86	Degradation of Mouse Invariant Chain: Roles of Cathepsins S and D and the Influence of Major Histocompatibility Complex Polymorphism. Journal of Experimental Medicine, 1997, 186, 549-560.	8.5	185
87	Specific and Covalent Targeting of Conjugating and Deconjugating Enzymes of Ubiquitin-Like Proteins. Molecular and Cellular Biology, 2004, 24, 84-95.	2.3	184
88	SEL1L, the homologue of yeast Hrd3p, is involved in protein dislocation from the mammalian ER. Journal of Cell Biology, 2006, 175, 261-270.	5.2	180
89	Exploiting Nanobodiesâ€™ Singular Traits. Annual Review of Immunology, 2018, 36, 695-715.	21.8	179
90	Proteolysis in MHC Class II Antigen Presentation. Immunity, 2000, 12, 233-239.	14.3	177

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91	The Otubain YOD1 Is a Deubiquitinating Enzyme that Associates with p97 to Facilitate Protein Dislocation from the ER. Molecular Cell, 2009, 36, 28-38.	9.7	177
92	Degradation of Proteins from the ER of S. cerevisiae Requires an Intact Unfolded Protein Response Pathway. Molecular Cell, 2000, 5, 729-735.	9.7	171
93	Antigen Presentation and the Ubiquitinâ€Proteasome System in Hostâ€“Pathogen Interactions. Advances in Immunology, 2006, 92, 225-305.	2.2	169
94	Sortase-catalyzed transformations that improve the properties of cytokines. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3169-3174.	7.1	169
95	An improved biochemical method for the analysis of HLA-class I antigens. Definition of new HLA-class I subtypes. Human Immunology, 1986, 16, 169-181.	2.4	168
96	Substrate binding and sequence preference of the proteasome revealed by active-site-directed affinity probes. Chemistry and Biology, 1998, 5, 307-320.	6.0	168
97	Engineered red blood cells as carriers for systemic delivery of a wide array of functional probes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10131-10136.	7.1	168
98	The Caspase-like Sites of Proteasomes, Their Substrate Specificity, New Inhibitors and Substrates, and Allosteric Interactions with the Trypsin-like Sites. Journal of Biological Chemistry, 2003, 278, 35869-35877.	3.4	167
99	Structure of the Ubiquitin Hydrolase UCH-L3 Complexed with a Suicide Substrate. Journal of Biological Chemistry, 2005, 280, 1512-1520.	3.4	166
100	PIKfyve, a Class III PI Kinase, Is the Target of the Small Molecular IL-12/IL-23 Inhibitor Apilimod and a Player in Toll-like Receptor Signaling. Chemistry and Biology, 2013, 20, 912-921.	6.0	165
101	The Î± Chain of the T Cell Antigen Receptor Is Degraded in the Cytosol. Immunity, 1997, 7, 113-122.	14.3	163
102	XBP-1 regulates signal transduction, transcription factors and bone marrow colonization in B cells. EMBO Journal, 2009, 28, 1624-1636.	7.8	163
103	Cytokines Regulate Proteolysis in Major Histocompatibility Complex Class IIâ€“Dependent Antigen Presentation by Dendritic Cells. Journal of Experimental Medicine, 2001, 193, 881-892.	8.5	161
104	Granulin Is a Soluble Cofactor for Toll-like Receptor 9 Signaling. Immunity, 2011, 34, 505-513.	14.3	160
105	Crystal structure of a substrate-engaged SecY protein-translocation channel. Nature, 2016, 531, 395-399.	27.8	159
106	Quality and quantity control at the endoplasmic reticulum. Current Opinion in Cell Biology, 2010, 22, 437-446.	5.4	153
107	The SUMO-Specific Protease SENP5 Is Required for Cell Division. Molecular and Cellular Biology, 2006, 26, 4489-4498.	2.3	150
108	Extended peptide-based inhibitors efficiently target the proteasome and reveal overlapping specificities of the catalytic Î²-subunits. Chemistry and Biology, 2001, 8, 913-929.	6.0	149

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109	A Straight Path to Circular Proteins. Journal of Biological Chemistry, 2009, 284, 16028-16036.	3.4	147
110	A single domain antibody fragment that recognizes the adaptor ASC defines the role of ASC domains in inflammasome assembly. Journal of Experimental Medicine, 2016, 213, 771-790.	8.5	145
111	Isolation, expression, and the primary structure of HLA-Cw1 and HLA-Cw2 genes: Evolutionary aspects. Immunogenetics, 1987, 25, 313-322.	2.4	144
112	A Deubiquitinating Activity Is Conserved in the Large Tegument Protein of the Herpesviridae. Journal of Virology, 2005, 79, 15582-15585.	3.4	141
113	Zwitterionic Polysaccharides Stimulate T Cells by MHC Class II-Dependent Interactions. Journal of Immunology, 2002, 169, 6149-6153.	0.8	140
114	The Pathway of Us11-Dependent Degradation of Mhc Class I Heavy Chains Involves a Ubiquitin-Conjugated Intermediate. Journal of Cell Biology, 1999, 147, 45-58.	5.2	139
115	Trophoblast Class I Major Histocompatibility Complex (MHC) Products Are Resistant to Rapid Degradation Imposed by the Human Cytomegalovirus (HCMV) Gene Products US2 and US11. Journal of Experimental Medicine, 1998, 188, 497-503.	8.5	138
116	Identification of Proteins Associated with Murine Cytomegalovirus Virions. Journal of Virology, 2004, 78, 11187-11197.	3.4	138
117	The mouse polyubiquitin gene UbC is essential for fetal liver development, cell-cycle progression and stress tolerance. EMBO Journal, 2007, 26, 2693-2706.	7.8	138
118	Lipid Modification of Proteins through Sortase-Catalyzed Transpeptidation. Journal of the American Chemical Society, 2008, 130, 16338-16343.	13.7	138
119	A CREB3â€“ARF4 signalling pathway mediates the response to Golgi stress and susceptibility to pathogens. Nature Cell Biology, 2013, 15, 1473-1485.	10.3	135
120	Molecular basis of caspase-1 polymerization and its inhibition by a new capping mechanism. Nature Structural and Molecular Biology, 2016, 23, 416-425.	8.2	135
121	Control of cross-presentation during dendritic cell maturation. European Journal of Immunology, 2004, 34, 398-407.	2.9	134
122	Effects of PS-341 on the Activity and Composition of Proteasomes in Multiple Myeloma Cells. Cancer Research, 2005, 65, 7896-7901.	0.9	130
123	Fungal recognition is mediated by the association of dectin-1 and galectin-3 in macrophages. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14270-14275.	7.1	130
124	Chlamydia trachomatisâ€derived deubiquitinating enzymes in mammalian cells during infection. Molecular Microbiology, 2006, 61, 142-150.	2.5	129
125	Protein quality control in the ER: balancing the ubiquitin checkbook. Trends in Cell Biology, 2012, 22, 22-32.	7.9	127
126	Recent advances in sortase-catalyzed ligation methodology. Current Opinion in Structural Biology, 2016, 38, 111-118.	5.7	127

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127	The Active Site of ICP47, a Herpes Simplex Virusâ€“encoded Inhibitor of the Major Histocompatibility Complex (MHC)-encoded Peptide Transporter Associated with Antigen Processing (TAP), Maps to the NH2-terminal 35 Residues. Journal of Experimental Medicine, 1997, 185, 1565-1572.	8.5	125
128	Why certain antibodies cross-react with HLA- A and HLA-G: Epitope mapping of two common MHC class I reagentsfn2fn2This work was supported by a grant from the National Institutes of Health (R01AI38577-01) and by a Reproductive Scientist Development Award, the Society for Gynecologic Investigation, and National Institutes of Health Grant K12HD00849 (to D.J.S.). Molecular Immunology, 1998, 35, 177-188.	2.2	125
129	Behavioral Responses of Epidermal Langerhans Cells In Situ to Local Pathological Stimuli. Journal of Investigative Dermatology, 2006, 126, 787-796.	0.7	124
130	Class II MHC peptide loading by the professionals. Current Opinion in Immunology, 2004, 16, 96-102.	5.5	123
131	Signal peptide peptidase is required for dislocation from the endoplasmic reticulum. Nature, 2006, 441, 894-897.	27.8	123
132	Determinants of GBP Recruitment to Toxoplasma gondii Vacuoles and the Parasitic Factors That Control It. PLoS ONE, 2011, 6, e24434.	2.5	123
133	Dislocation of Type I Membrane Proteins from the ER to the Cytosol Is Sensitive to Changes in Redox Potential. Journal of Cell Biology, 1998, 142, 365-376.	5.2	122
134	A closer look at proteolysis and MHC-class-II-restricted antigen presentation. Current Opinion in Immunology, 2002, 14, 15-21.	5.5	122
135	Loss of Usp14 results in reduced levels of ubiquitin in ataxia mice. Journal of Neurochemistry, 2005, 95, 724-731.	3.9	121
136	Antiâ€“CTLA-4 therapy requires an Fc domain for efficacy. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3912-3917.	7.1	121
137	Purification, cDNA-cloning and expression of human diacylglycerol kinase. FEBS Letters, 1990, 275, 151-158.	2.8	120
138	Viral modulation of antigen presentation: manipulation of cellular targets in the ER and beyond. Immunological Reviews, 2005, 207, 126-144.	6.0	120
139	Tubulation of Class II MHC Compartments Is Microtubule Dependent and Involves Multiple Endolysosomal Membrane Proteins in Primary Dendritic Cells. Journal of Immunology, 2007, 178, 7199-7210.	0.8	120
140	Engineered erythrocytes covalently linked to antigenic peptides can protect against autoimmune disease. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3157-3162.	7.1	120
141	Murine B Cell Response to TLR7 Ligands Depends on an IFN-Î² Feedback Loop. Journal of Immunology, 2009, 183, 1569-1576.	0.8	119
142	Preparation of unnatural N-to-N and C-to-C protein fusions. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11993-11998.	7.1	119
143	Varicella-Zoster Virus Retains Major Histocompatibility Complex Class I Proteins in the Golgi Compartment of Infected Cells. Journal of Virology, 2001, 75, 4878-4888.	3.4	118
144	A glycosylated type I membrane protein becomes cytosolic when peptide: N-glycanase is compromised. EMBO Journal, 2004, 23, 650-658.	7.8	118

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145	Polyubiquitination Is Required for US11-dependent Movement of MHC Class I Heavy Chain from Endoplasmic Reticulum into Cytosol. Molecular Biology of the Cell, 2001, 12, 2546-2555.	2.1	116
146	Structure of a Herpesvirus-Encoded Cysteine Protease Reveals a Unique Class of Deubiquitinating Enzymes. Molecular Cell, 2007, 25, 677-687.	9.7	116
147	Noninvasive imaging of tumor progression, metastasis, and fibrosis using a nanobody targeting the extracellular matrix. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14181-14190.	7.1	114
148	Release of Signal Peptide Fragments into the Cytosol Requires Cleavage in the Transmembrane Region by a Protease Activity That Is Specifically Blocked by a Novel Cysteine Protease Inhibitor. Journal of Biological Chemistry, 2000, 275, 30951-30956.	3.4	111
149	Rapid Turnover of Unspliced Xbp-1 as a Factor That Modulates the Unfolded Protein Response. Journal of Biological Chemistry, 2006, 281, 5852-5860.	3.4	111
150	Parasite Stageâ€“Specific Recognition of EndogenousToxoplasma gondiiâ€“Derived CD8⁺T Cell Epitopes. Journal of Infectious Diseases, 2008, 198, 1625-1633.	4.0	111
151	Monovalent ligation of the B cell receptor induces receptor activation but fails to promote antigen presentation. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 3327-3332.	7.1	109
152	Using a Small Molecule Inhibitor of Peptide: N-Glycanase to Probe Its Role in Glycoprotein Turnover. Chemistry and Biology, 2004, 11, 1677-1687.	6.0	107
153	Peptide Antagonism and T Cell Receptor Interactions with Peptide-MHC Complexes. Immunity, 1998, 9, 475-483.	14.3	105
154	Human Cytomegalovirus US2 Endoplasmic Reticulum-Lumenal Domain Dictates Association with Major Histocompatibility Complex Class I in a Locus-Specific Manner. Journal of Virology, 2001, 75, 5197-5204.	3.4	104
155	Intracellular targeting of the proteasome. Trends in Cell Biology, 2000, 10, 268-272.	7.9	103
156	Cellular internalization of cytolethal distending toxin: a new end to a known pathway. Cellular Microbiology, 2005, 7, 921-934.	2.1	103
157	Localized CD47 blockade enhances immunotherapy for murine melanoma. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10184-10189.	7.1	103
158	Siteâ€Specific Protein Labeling via Sortaseâ€Mediated Transpeptidation. Current Protocols in Protein Science, 2009, 56, Unit 15.3.	2.8	102
159	Dissection of the Dislocation Pathway for Type I Membrane Proteins with a New Small Molecule Inhibitor, Eeyarestatin. Molecular Biology of the Cell, 2004, 15, 1635-1646.	2.1	101
160	Trained Immunity-Promoting Nanobiologic Therapy Suppresses Tumor Growth and Potentiates Checkpoint Inhibition. Cell, 2020, 183, 786-801.e19.	28.9	101
161	Dual Role of Ancient Ubiquitous Protein 1 (AUP1) in Lipid Droplet Accumulation and Endoplasmic Reticulum (ER) Protein Quality Control. Journal of Biological Chemistry, 2011, 286, 37602-37614.	3.4	99
162	An analysis of class I antigens of man and other species by one-dimensional IEF and immunoblotting. Immunogenetics, 1986, 23, 164-171.	2.4	98

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163	Specific role for cathepsin S in the generation of antigenic peptidesin vivo. European Journal of Immunology, 2002, 32, 467-476.	2.9	98
164	Asparagine Endopeptidase Is Not Essential for Class II MHC Antigen Presentation but Is Required for Processing of Cathepsin L in Mice. Journal of Immunology, 2005, 174, 7066-7074.	0.8	98
165	A functional proteomics approach links the ubiquitin-related modifier Urm1 to a tRNA modification pathway. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18255-18260.	7.1	97
166	PD-L1 is an activation-independent marker of brown adipocytes. Nature Communications, 2017, 8, 647.	12.8	97
167	Peptide loading of empty major histocompatibility complex molecules on RMA-S cells allows the induction of primary cytotoxic T lymphocyte responses. European Journal of Immunology, 1991, 21, 2963-2970.	2.9	95
168	In Vitro Translation and Assembly of a Complete T Cell Receptorâ€“CD3 Complex. Journal of Experimental Medicine, 1997, 186, 393-403.	8.5	95
169	High-Molecular-Weight Protein (pUL48) of Human Cytomegalovirus Is a Competent Deubiquitinating Protease: Mutant Viruses Altered in Its Active-Site Cysteine or Histidine Are Viable. Journal of Virology, 2006, 80, 6003-6012.	3.4	95
170	Sortase A: A Model for Transpeptidation and Its Biological Applications. Annual Review of Cell and Developmental Biology, 2018, 34, 163-188.	9.4	95
171	Gene expression analysis of Bâ€lymphoma cells resistant and sensitive to bortezomib*. British Journal of Haematology, 2006, 134, 145-156.	2.5	94
172	Early BCR Events and Antigen Capture, Processing, and Loading on MHC Class II on B Cells. Frontiers in Immunology, 2014, 5, 92.	4.8	94
173	Live Imaging of Cysteine-Cathepsin Activity Reveals Dynamics of Focal Inflammation, Angiogenesis, and Polyp Growth. PLoS ONE, 2008, 3, e2916.	2.5	94
174	Perspective: Discovery of antivirals against smallpox. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 11178-11192.	7.1	93
175	Substrate specificity of allelic variants of the TAP peptide transporter. Immunity, 1994, 1, 775-784.	14.3	92
176	Differential Regulation of Effector- and Central-Memory Responses to Toxoplasma gondii Infection by IL-12 Revealed by Tracking of Tgd057-Specific CD8+ T Cells. PLoS Pathogens, 2010, 6, e1000815.	4.7	92
177	Immuno-PET identifies the myeloid compartment as a key contributor to the outcome of the antitumor response under PD-1 blockade. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16971-16980.	7.1	92
178	How lamina-associated polypeptide 1 (LAP1) activates Torsin. ELife, 2014, 3, e03239.	6.0	92
179	Murine Polyomavirus Requires the Endoplasmic Reticulum Protein Derlin-2 To Initiate Infection. Journal of Virology, 2006, 80, 8739-8744.	3.4	91
180	Role of the ubiquitin-like protein Urm1 as a noncanonical lysine-directed protein modifier. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1763-1770.	7.1	91

#	Article	IF	Citations
181	M13 Bacteriophage Display Framework That Allows Sortase-Mediated Modification of Surface-Accessible Phage Proteins. Bioconjugate Chemistry, 2012, 23, 1478-1487.	3.6	91
182	Kaposi's Sarcoma-Associated Herpesvirus K3 Utilizes the Ubiquitin-Proteasome System in Routing Class I Major Histocompatibility Complexes to Late Endocytic Compartments. Journal of Virology, 2002, 76, 5522-5531.	3.4	89
183	The Human Cytomegalovirus US10 Gene Product Delays Trafficking of Major Histocompatibility Complex Class I Molecules. Journal of Virology, 2002, 76, 11753-11756.	3.4	89
184	Cytomegaloviruses use multiple mechanisms to elude the host immune response. Immunology Letters, 1997, 57, 213-216.	2.5	88
185	A broad screen for targets of immune complexes decorating arthritic joints highlights deposition of nucleosomes in rheumatoid arthritis. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15867-15872.	7.1	88
186	Evasion of Innate Cytosolic DNA Sensing by a Gammaherpesvirus Facilitates Establishment of Latent Infection. Journal of Immunology, 2015, 194, 1819-1831.	0.8	88
187	Sortase-mediated modification of Î±DEC205 affords optimization of antigen presentation and immunization against a set of viral epitopes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1428-1433.	7.1	86
188	Protein Unfolding Is Not a Prerequisite for Endoplasmic Reticulum-to-Cytosol Dislocation. Journal of Biological Chemistry, 2003, 278, 6664-6672.	3.4	85
189	Screen for ISG15-crossreactive Deubiquitinases. PLoS ONE, 2007, 2, e679.	2.5	85
190	Use of ¹⁸F-2-Fluorodeoxyglucose to Label Antibody Fragments for Immuno-Positron Emission Tomography of Pancreatic Cancer. ACS Central Science, 2015, 1, 142-147.	11.3	85
191	Use of HLA loss mutants to analyse the structure of the human major histocompatibility complex. Nature, 1982, 296, 454-456.	27.8	84
192	HLA-restricted recognition of viral antigens in HLA transgenic mice. Nature, 1987, 329, 447-449.	27.8	84
193	Altered ISGylation drives aberrant macrophage-dependent immune responses during SARS-CoV-2 infection. Nature Immunology, 2021, 22, 1416-1427.	14.5	84
194	Sortase A as a tool for highâ€yield histatin cyclization. FASEB Journal, 2011, 25, 2650-2658.	0.5	83
195	Enzymatic Blockade of the Ubiquitin-Proteasome Pathway. PLoS Biology, 2011, 8, e1000605.	5.6	83
196	Small-Molecule Inhibitors and Probes for Ubiquitin- and Ubiquitin-Like-Specific Proteases. ChemBioChem, 2005, 6, 287-291.	2.6	82
197	Nanobody immunostaining for correlated light and electron microscopy with preservation of ultrastructure. Nature Methods, 2018, 15, 1029-1032.	19.0	82
198	Invariant Chain Controls the Activity of Extracellular Cathepsin L. Journal of Experimental Medicine, 2002, 196, 1263-1270.	8.5	81

#	Article	IF	Citations
199	Loss of Aire-dependent thymic expression of a peripheral tissue antigen renders it a target of autoimmunity. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 4583-4587.	7.1	79
200	Inhibition of Major Histocompatibility Complex Class I Antigen Presentation in Pig and Primate Cells by Herpes Simplex Virus Type 1 and 2 ICP47. Journal of Virology, 1998, 72, 5076-5084.	3.4	79
201	Viruses use stealth technology to escape from the host immune system. Trends in Molecular Medicine, 1997, 3, 116-123.	2.6	78
202	Concurrent detection of secreted products from human lymphocytes by microengraving: Cytokines and antigen-reactive antibodies. Clinical Immunology, 2008, 129, 10-18.	3.2	78
203	Toxoplasma gondii Superinfection and Virulence during Secondary Infection Correlate with the ExactROP5/ROP18Allelic Combination. MBio, 2015, 6, e02280.	4.1	78
204	Longitudinal multiparameter assay of lymphocyte interactions from onset by microfluidic cell pairing and culture. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3599-608.	7.1	78
205	Visualization of the ER-to-cytosol dislocation reaction of a type I membrane protein. EMBO Journal, 2002, 21, 1041-1053.	7.8	77
206	Apicomplexan UCHL3 retains dual specificity for ubiquitin and Nedd8 throughout evolution. Cellular Microbiology, 2007, 9, 1601-1610.	2.1	77
207	Bruton's Tyrosine Kinase (BTK) and Vav1 Contribute to Dectin1-Dependent Phagocytosis of Candida albicans in Macrophages. PLoS Pathogens, 2013, 9, e1003446.	4.7	77
208	Human Cytomegalovirus Open Reading Frame TRL11/IRL11 Encodes an Immunoglobulin G Fc-Binding Protein. Journal of Virology, 2001, 75, 11218-11221.	3.4	76
209	Chemistry-Based Functional Proteomics:Â Mechanism-Based Activity-Profiling Tools for Ubiquitin and Ubiquitin-like Specific Proteases. Journal of Proteome Research, 2004, 3, 268-276.	3.7	76
210	Deficiency of Antigen-Presenting Cell Invariant Chain Reduces Atherosclerosis in Mice. Circulation, 2010, 122, 808-820.	1.6	76
211	Regulation of CD1 Function and NK1.1+ T Cell Selection and Maturation by Cathepsin S. Immunity, 2001, 15, 909-919.	14.3	75
212	Specific immune responses restored by alteration in carbohydrate chains of surface molecules on antigen-presenting cells. European Journal of Immunology, 1989, 19, 537-542.	2.9	74
213	A herpesvirus ubiquitin-specific protease is critical for efficient T cell lymphoma formation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20025-20030.	7.1	74
214	Bispecific antibody generated with sortase and click chemistry has broad antiinfluenza virus activity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16820-16825.	7.1	74
215	Structurally Defined Î±MHCâ€‰Nanobodyâ€“Drug Conjugates: A Therapeutic and Imaging System for Bâ€€Cell Lymphoma. Angewandte Chemie - International Edition, 2016, 55, 2416-2420.	13.8	74
216	Cathepsin L is essential for onset of autoimmune diabetes in NOD mice. Journal of Clinical Investigation, 2005, 115, 2934-2943.	8.2	74

#	Article	IF	Citations
217	Identification by functional proteomics of a deubiquitinating/deNeddylating enzyme in Plasmodium falciparum. Molecular Microbiology, 2006, 61, 1187-1195.	2.5	73
218	Monovalent and Multivalent Ligation of the B Cell Receptor Exhibit Differential Dependence upon Syk and Src Family Kinases. Science Signaling, 2013, 6, ra1.	3.6	73
219	Discovery of CD8 ⁺ T cell epitopes in Chlamydia trachomatis infection through use of caged class I MHC tetramers. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3831-3836.	7.1	72
220	Sialylneolacto-N-tetraose c (LSTc)-bearing Liposomal Decoys Capture Influenza A Virus. Journal of Biological Chemistry, 2013, 288, 8061-8073.	3.4	72
221	Thymic CD4 T cell selection requires attenuation of March8-mediated MHCII turnover in cortical epithelial cells through CD83. Journal of Experimental Medicine, 2016, 213, 1685-1694.	8.5	72
222	One-Pot Dual Labeling of IgG 1 and Preparation of C-to-C Fusion Proteins Through a Combination of Sortase A and Butelase 1. Bioconjugate Chemistry, 2018, 29, 3245-3249.	3.6	72
223	Definition of four HLA-A2 subtypes by CML typing and biochemical analysis. Immunogenetics, 1983, 17, 609-621.	2.4	71
224	Notch4 signaling limits regulatory T-cell-mediated tissue repair and promotes severe lung inflammation in viral infections. Immunity, 2021, 54, 1186-1199.e7.	14.3	71
225	Human Cytomegalovirus Protein US11 Provokes an Unfolded Protein Response That May Facilitate the Degradation of Class I Major Histocompatibility Complex Products. Journal of Virology, 2005, 79, 2768-2779.	3.4	70
226	Mechanism-Based Probe for the Analysis of Cathepsin Cysteine Proteases in Living Cells. ACS Chemical Biology, 2006, 1, 713-723.	3.4	70
227	Protein Ligation in Living Cells Using Sortase. Traffic, 2012, 13, 780-789.	2.7	70
228	Ubiquitin C-Terminal Electrophiles Are Activity-Based Probes for Identification and Mechanistic Study of Ubiquitin Conjugating Machinery. ACS Chemical Biology, 2009, 4, 275-287.	3.4	68
229	Targeting Cytokine Therapy to the Pancreatic Tumor Microenvironment Using PD-L1â€“Specific VHHs. Cancer Immunology Research, 2018, 6, 389-401.	3.4	68
230	T Cells Induce Extended Class II MHC Compartments in Dendritic Cells in a Toll-Like Receptor-Dependent Manner. Journal of Immunology, 2003, 171, 4081-4088.	0.8	67
231	XBP-1 specifically promotes IgM synthesis and secretion, but is dispensable for degradation of glycoproteins in primary B cells. Journal of Experimental Medicine, 2005, 202, 505-516.	8.5	67
232	Production of unnaturally linked chimeric proteins using a combination of sortase-catalyzed transpeptidation and click chemistry. Nature Protocols, 2013, 8, 1808-1819.	12.0	67
233	The Protein Synthesis Inhibitor Blasticidin S Enters Mammalian Cells via Leucine-rich Repeat-containing Protein 8D. Journal of Biological Chemistry, 2014, 289, 17124-17131.	3.4	67
234	Targeting small molecule drugs to T cells with antibody-directed cell-penetrating gold nanoparticles. Biomaterials Science, 2019, 7, 113-124.	5.4	67

#	Article	IF	Citations
235	Antigen-specific B-cell receptor sensitizes B cells to infection by influenza virus. Nature, 2013, 503, 406-409.	27.8	66
236	Characterization of a G-protein Î²-subunit gene from the nematode Caenorhabditis elegans. Journal of Molecular Biology, 1990, 213, 17-26.	4.2	65
237	Different types of allospecific CTL clones identified by their ability to recognize peptide loading-defective target cells. European Journal of Immunology, 1991, 21, 2767-2774.	2.9	65
238	Human Cytomegalovirus Gene Products US2 and US11 Differ in Their Ability To Attack Major Histocompatibility Class I Heavy Chains in Dendritic Cells. Journal of Virology, 2002, 76, 5043-5050.	3.4	65
239	Preferred in vivo ubiquitination sites. Bioinformatics, 2004, 20, 3302-3307.	4.1	65
240	ElaD, a Deubiquitinating Protease Expressed by E. coli. PLoS ONE, 2007, 2, e381.	2.5	65
241	Differential priming of CD8 and CD4 T-cells in animal models of autoimmune hepatitis and cholangitis. Hepatology, 2007, 46, 1155-1165.	7.3	65
242	The HCMV membrane glycoprotein US10 selectively targets HLA-G for degradation. Journal of Experimental Medicine, 2010, 207, 2033-2041.	8.5	65
243	Site-Specific Sequential Protein Labeling Catalyzed by a Single Recombinant Ligase. Journal of the American Chemical Society, 2019, 141, 17388-17393.	13.7	65
244	Exploring cellular biochemistry with nanobodies. Journal of Biological Chemistry, 2020, 295, 15307-15327.	3.4	65
245	The e S-Sence of -SH in the ER. Cell, 1998, 92, 145-148.	28.9	63
246	Profiling antibody responses by multiparametric analysis of primary B cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17902-17907.	7.1	63
247	Are MHC-bound peptides a nuisance for positive selection?. Immunity, 1994, 1, 721-723.	14.3	62
248	Recruitment of CD63 to Cryptococcus neoformans phagosomes requires acidification. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15945-15950.	7.1	61
249	Identification of host cell factors required for intoxication through use of modified cholera toxin. Journal of Cell Biology, 2011, 195, 751-764.	5.2	61
250	Site-specific protein modification using immobilized sortase in batch and continuous-flow systems. Nature Protocols, 2015, 10, 508-516.	12.0	61
251	tRNA thiolation links translation to stress responses in Saccharomyces cerevisiae. Molecular Biology of the Cell, 2015, 26, 270-282.	2.1	61
252	The B Cell Receptor Promotes B Cell Activation and Proliferation through a Non-ITAM Tyrosine in the IgÎ± Cytoplasmic Domain. Immunity, 2006, 25, 55-65.	14.3	60

#	Article	IF	Citations
253	Transnuclear Mice with Predefined T Cell Receptor Specificities Against Toxoplasma gondii Obtained via SCNT. Science, 2010, 328, 243-248.	12.6	60
254	The phenotype of H-2M-deficient mice is dependent on the MHC class II molecules expressed. European Journal of Immunology, 1998, 28, 2605-2618.	2.9	59
255	Upregulation of the CLIP self peptide on mature dendritic cells antagonizes T helper type 1 polarization. Nature Immunology, 2004, 5, 909-918.	14.5	58
256	Viral Interference with B7-1 Costimulation: A New Role for Murine Cytomegalovirus Fc Receptor-1. Journal of Immunology, 2006, 177, 8422-8431.	0.8	58
257	The CD8 T-Cell Response against Murine Gammaherpesvirus 68 Is Directed toward a Broad Repertoire of Epitopes from both Early and Late Antigens. Journal of Virology, 2008, 82, 12205-12212.	3.4	58
258	Substrate Filtering by the Active Site Crossover Loop in UCHL3 Revealed by Sortagging and Gain-of-function Mutations. Journal of Biological Chemistry, 2009, 284, 3593-3602.	3.4	58
259	A Human Herpesvirus 7 Glycoprotein, U21, Diverts Major Histocompatibility Complex Class I Molecules to Lysosomes. Journal of Virology, 2001, 75, 12347-12358.	3.4	57
260	Membrane-specific, Host-derived Factors Are Required for US2- and US11-mediated Degradation of Major Histocompatibility Complex Class I Molecules. Journal of Biological Chemistry, 2002, 277, 3258-3267.	3.4	57
261	Intracellular Expression of Camelid Single-Domain Antibodies Specific for Influenza Virus Nucleoprotein Uncovers Distinct Features of Its Nuclear Localization. Journal of Virology, 2015, 89, 2792-2800.	3.4	57
262	aberrant expression of HLA Class-I antigens in burkitt lymphoma cells. International Journal of Cancer, 1991, 47, 544-550.	5.1	56
263	Characterization and Structural Studies of the Plasmodium falciparum Ubiquitin and Nedd8 Hydrolase UCHL3. Journal of Biological Chemistry, 2010, 285, 6857-6866.	3.4	56
264	Stochastic Cytokine Expression Induces Mixed T Helper Cell States. PLoS Biology, 2013, 11, e1001618.	5.6	56
265	Crystal Structure and Conformational Change Mechanism of a Bacterial Nramp-Family Divalent Metal Transporter. Structure, 2016, 24, 2102-2114.	3.3	56
266	Intact sphingomyelin biosynthetic pathway is essential for intracellular transport of influenza virus glycoproteins. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6406-6411.	7.1	55
267	Disruption of Sphingolipid Biosynthesis Blocks Phagocytosis of Candida albicans. PLoS Pathogens, 2015, 11, e1005188.	4.7	55
268	Putting together an MHC class I molecule. Current Opinion in Immunology, 1993, 5, 21-26.	5.5	54
269	MHC class I expression and CD8+ T cell development in TAP1/Î²2-microglobulin double mutant mice. International Immunology, 1995, 7, 975-984.	4.0	54
270	Qa-2â€“Dependent Selection of Cd8Î±/Î± T Cell Receptor Î±/Î²+ Cells in Murine Intestinal Intraepithelial Lymphocytes. Journal of Experimental Medicine, 2000, 192, 1521-1528.	8.5	54

#	Article	IF	Citations
271	GPR107, a G-protein-coupled Receptor Essential for Intoxication by Pseudomonas aeruginosa Exotoxin A, Localizes to the Golgi and Is Cleaved by Furin. Journal of Biological Chemistry, 2014, 289, 24005-24018.	3.4	54
272	Cocapture of cognate and bystander antigens can activate autoreactive B cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 734-739.	7.1	54
273	Improved Antitumor Efficacy of Chimeric Antigen Receptor T Cells that Secrete Single-Domain Antibody Fragments. Cancer Immunology Research, 2020, 8, 518-529.	3.4	54
274	Virus subversion of immunity: a structural perspective. Current Opinion in Immunology, 2001, 13, 442-450.	5.5	53
275	Yeast N â€glycanase distinguishes between native and nonâ€native glycoproteins. EMBO Reports, 2004, 5, 201-206.	4.5	53
276	Viral immune evasion strategies and the underlying cell biology. Seminars in Immunology, 2001, 13, 1-9.	5.6	52
277	Class I negative CD8 T cells reveal the confounding role of peptide-transfer onto CD8 T cells stimulated with soluble H2-Kb molecules. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 13735-13740.	7.1	52
278	Enhanced Cell Capture on Functionalized Graphene Oxide Nanosheets through Oxygen Clustering. ACS Nano, 2017, 11, 1548-1558.	14.6	52
279	Mechanisms of induction of primary virus-specific cytotoxic T lymphocyte responses. European Journal of Immunology, 1992, 22, 3013-3020.	2.9	51
280	Individual cathepsins degrade immune complexes internalized by antigen-presenting cells via FcÎ³ receptors. European Journal of Immunology, 2001, 31, 1592-1601.	2.9	51
281	Ubiquitin â€“ conserved protein or selfish gene?. Trends in Biochemical Sciences, 2005, 30, 600-604.	7.5	51
282	Development of Intravital Intermittent Confocal Imaging System for Studying Langerhans Cell Turnover. Journal of Investigative Dermatology, 2006, 126, 2452-2457.	0.7	51
283	Type I Interferon Imposes a TSG101/ISG15 Checkpoint at the Golgi for Glycoprotein Trafficking during Influenza Virus Infection. Cell Host and Microbe, 2013, 14, 510-521.	11.0	51
284	Allosteric activation of apicomplexan calcium-dependent protein kinases. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4975-84.	7.1	51
285	One-Step Enzymatic Modification of the Cell Surface Redirects Cellular Cytotoxicity and Parasite Tropism. ACS Chemical Biology, 2015, 10, 460-465.	3.4	51
286	Generation of Immunity against Pathogens via Single-Domain Antibodyâ€“Antigen Constructs. Journal of Immunology, 2016, 197, 4838-4847.	0.8	51
287	Biochemical analysis of variant HLA-B27 antigens. Human Immunology, 1983, 6, 111-117.	2.4	50
288	A biochemical characterization of feline MHC products: Unusually high expression of class 11 antigens on peripheral blood lymphocytes. Immunogenetics, 1986, 23, 341-347.	2.4	50

#	Article	IF	Citations
289	Monovalent engagement of the BCR activates ovalbumin-specific transnuclear B cells. Journal of Experimental Medicine, 2014, 211, 365-379.	8.5	50
290	A Structural Element within the HUWE1 HECT Domain Modulates Self-ubiquitination and Substrate Ubiquitination Activities. Journal of Biological Chemistry, 2010, 285, 5664-5673.	3.4	49
291	Identification of new B27 subtypes (B27C and B27D) prevalent in oriental populations. Human Immunology, 1986, 16, 163-168.	2.4	47
292	Empty Class II Major Histocompatibility Complex Created by Peptide Photolysis Establishes the Role of DM in Peptide Association. Journal of Biological Chemistry, 2007, 282, 21425-21436.	3.4	47
293	Intercellular trafficking of the nuclear oncoprotein DEK. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6847-6852.	7.1	47
294	Hepta-Mutant Staphylococcus aureus Sortase A (SrtA_{7m}) as a Tool for in Vivo Protein Labeling in Caenorhabditis elegans. ACS Chemical Biology, 2017, 12, 664-673.	3.4	47
295	Attachment of Chlamydia trachomatis L2 to host cells requires sulfation. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10059-10064.	7.1	46
296	Site-Specific Chemoenzymatic Labeling of Aerolysin Enables the Identification of New Aerolysin Receptors. PLoS ONE, 2014, 9, e109883.	2.5	46
297	Phenotypic lentivirus screens to identify functional single domain antibodies. Nature Microbiology, 2016, 1, 16080.	13.3	46
298	Noninvasive Imaging of Human Immune Responses in a Human Xenograft Model of Graft-Versus-Host Disease. Journal of Nuclear Medicine, 2017, 58, 1003-1008.	5.0	46
299	Phosphorylation of IRE1 at S729 regulates RIDD in B cells and antibody production after immunization. Journal of Cell Biology, 2018, 217, 1739-1755.	5.2	46
300	Membrane specializations and endosome maturation in dendritic cells and B cells. Trends in Cell Biology, 2004, 14, 175-183.	7.9	45
301	XBP-1-Deficient Plasmablasts Show Normal Protein Folding but Altered Glycosylation and Lipid Synthesis. Journal of Immunology, 2009, 183, 3690-3699.	0.8	45
302	Orthogonal Labeling of M13 Minor Capsid Proteins with DNA to Self-Assemble End-to-End Multiphage Structures. ACS Synthetic Biology, 2013, 2, 490-496.	3.8	45
303	Transnuclear TRP1-Specific CD8 T Cells with High or Low Affinity TCRs Show Equivalent Antitumor Activity. Cancer Immunology Research, 2013, 1, 99-111.	3.4	45
304	The Caenorhabditis elegans Protein FIC-1 Is an AMPylase That Covalently Modifies Heat-Shock 70 Family Proteins, Translation Elongation Factors and Histones. PLoS Genetics, 2016, 12, e1006023.	3.5	45
305	Tissue-specific emergence of regulatory and intraepithelial T cells from a clonal T cell precursor. Science Immunology, 2016, 1, eaaf7471.	11.9	45
306	BAT3 Guides Misfolded Glycoproteins Out of the Endoplasmic Reticulum. PLoS ONE, 2011, 6, e28542.	2.5	45

#	Article	IF	Citations
307	N-Linked Glycosylation Does Not Impair Proteasomal Degradation but Affects Class I Major Histocompatibility Complex Presentation. Journal of Biological Chemistry, 2008, 283, 244-254.	3.4	44
308	The E2 Ubiquitin-conjugating Enzyme UBE2J1 Is Required for Spermiogenesis in Mice. Journal of Biological Chemistry, 2014, 289, 34490-34502.	3.4	44
309	Preferred size of peptides that bind to H-2 Kb is sequence dependent. European Journal of Immunology, 1992, 22, 1603-1608.	2.9	43
310	Uncoating ATPase Hsc70 is recruited by invariant chain and controls the size of endocytic compartments. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1515-1520.	7.1	43
311	Ubiquitinylation of the Cytosolic Domain of a Type I Membrane Protein Is Not Required to Initiate Its Dislocation from the Endoplasmic Reticulum. Journal of Biological Chemistry, 2003, 278, 34804-34811.	3.4	43
312	Phosphoproteomic Analysis with a Solid-Phase Capture-Release-Tag Approach. Chemistry and Biology, 2005, 12, 769-777.	6.0	43
313	Nanobodies in cancer. Seminars in Immunology, 2021, 52, 101425.	5.6	43
314	Intermediates in the Assembly and Degradation of Class I Major Histocompatibility Complex (MHC) Molecules Probed with Free Heavy Chainâ€“specific Monoclonal Antibodies. Journal of Experimental Medicine, 1996, 184, 2251-2260.	8.5	42
315	Myeloid Differentiation Factor 88 Is Required for Cross-Priming In Vivo. Journal of Immunology, 2004, 172, 3415-3421.	0.8	42
316	Cell-Specific TLR9 Trafficking in Primary APCs of Transgenic TLR9-GFP Mice. Journal of Immunology, 2013, 190, 695-702.	0.8	42
317	Free IL-12p40 Monomer Is a Polyfunctional Adaptor for Generating Novel IL-12â€“like Heterodimers Extracellularly. Journal of Immunology, 2014, 192, 6028-6036.	0.8	42
318	Enzymeâ€Mediated Modification of Singleâ€Domain Antibodies for Imaging Modalities with Different Characteristics. Angewandte Chemie - International Edition, 2016, 55, 528-533.	13.8	42
319	Improved GPCR ligands from nanobody tethering. Nature Communications, 2020, 11, 2087.	12.8	42
320	Early endosomal maturation of MHC class II molecules independently of cysteine proteases and H-2DM. EMBO Journal, 2000, 19, 882-891.	7.8	41
321	The ubiquitinâ€“proteasome pathway in thymocyte apoptosis: caspase-dependent processing of the deubiquitinating enzyme USP7 (HAUSP). Molecular Immunology, 2002, 39, 431-441.	2.2	41
322	AIDâ^'/â^'Î¼sâ^'/â^' Mice Are Agammaglobulinemic and Fail to Maintain B220â^'CD138+ Plasma Cells. Journal of Immunology, 2007, 178, 2192-2203.	0.8	41
323	End the wasteful tyranny of reviewer experiments. Nature, 2011, 472, 391-391.	27.8	41
324	Usp12 stabilizes the T-cell receptor complex at the cell surface during signaling. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E705-14.	7.1	41

#	Article	IF	Citations
325	Viral GPCR US28 can signal in response to chemokine agonists of nearly unlimited structural degeneracy. ELife, 2018, 7, .	6.0	41
326	Cotranslational endoplasmic reticulum assembly of FcÎµRI controls the formation of functional IgE-binding receptors. Journal of Experimental Medicine, 2005, 201, 267-277.	8.5	40
327	IgG1+ ovalbumin-specific B-cell transnuclear mice show class switch recombination in rare allelically included B cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13739-13744.	7.1	40
328	Siteâ€Specific Protein Labeling via Sortaseâ€Mediated Transpeptidation. Current Protocols in Protein Science, 2017, 89, 15.3.1-15.3.19.	2.8	40
329	An adjuvant strategy enabled by modulation of the physical properties of microbial ligands expands antigen immunogenicity. Cell, 2022, 185, 614-629.e21.	28.9	40
330	The fate of the three subunits of major histocompatibility complex class I molecules. European Journal of Immunology, 1992, 22, 1609-1614.	2.9	39
331	Down-regulation of MHC class I antigen presentation by HCMV; lessons for tumor immunology. Immunological Investigations, 2000, 29, 97-100.	2.0	39
332	HypE-specific Nanobodies as Tools to Modulate HypE-mediated Target AMPylation. Journal of Biological Chemistry, 2015, 290, 9087-9100.	3.4	39
333	Analysis of human class I antigens by two-dimensional gel electrophoresis. Immunogenetics, 1983, 17, 333-356.	2.4	38
334	A viral peptide can mimic an endogenous peptide for allorecognition of a major histocompatibility complex class I product. European Journal of Immunology, 1992, 22, 1651-1654.	2.9	38
335	MHC class I antigen processing regulated by cytosolic proteolysisâ€"short cuts that alter peptide generation. Molecular Immunology, 2002, 39, 171-179.	2.2	37
336	A catalytic independent function of the deubiquitinating enzyme USP14 regulates hippocampal synaptic shortâ€term plasticity and vesicle number. Journal of Physiology, 2014, 592, 571-586.	2.9	37
337	Unrestrained AMPylation targets cytosolic chaperones and activates the heat shock response. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E152-E160.	7.1	37
338	Molecular characterization of HLA-A, B homologues in owl monkeys and other nonhuman primates. Immunogenetics, 1980, 11-11, 131-143.	2.4	36
339	Assembly and intracellular transport of major histocompatibility complex molecules. Current Opinion in Cell Biology, 1991, 3, 601-609.	5.4	36
340	Synthetic peptide libraries in the determination of T cell epitopes and peptide binding specificity of class I molecules. European Journal of Immunology, 1992, 22, 1405-1412.	2.9	36
341	Subtilase cytotoxin cleaves newly synthesized BiP and blocks antibody secretion in B lymphocytes. Journal of Experimental Medicine, 2009, 206, 2429-2440.	8.5	36
342	B-Cell Receptor Signaling in Lymphoid Malignancies and Autoimmunity. Advances in Immunology, 2014, 123, 1-49.	2.2	36

#	Article	IF	Citations
343	A nanobody that recognizes a 14-residue peptide epitope in the E2 ubiquitin-conjugating enzyme UBC6e modulates its activity. Molecular Immunology, 2019, 114, 513-523.	2.2	36
344	Differential reactivity of residual CD8+ T lymphocytes in TAP1 and Î²2-microglobulin mutant mice. European Journal of Immunology, 1995, 25, 174-178.	2.9	35
345	The Human Cytomegalovirus US8 Glycoprotein Binds to Major Histocompatibility Complex Class I Products. Journal of Virology, 2002, 76, 6832-6835.	3.4	35
346	Posttranscriptional Regulation of Glycoprotein Quality Control in the Endoplasmic Reticulum Is Controlled by the E2ÂUb-Conjugating Enzyme UBC6e. Molecular Cell, 2016, 63, 753-767.	9.7	35
347	Solid phase synthesis of peptide vinyl sulfone and peptide epoxyketone proteasome inhibitors. Tetrahedron Letters, 2000, 41, 6005-6009.	1.4	34
348	Requirements for T Cell-Polarized Tubulation of Class II+ Compartments in Dendritic Cells. Journal of Immunology, 2003, 171, 5689-5696.	0.8	34
349	A Functional Ubiquitin-Specific Protease Embedded in the Large Tegument Protein (ORF64) of Murine Gammaherpesvirus 68 Is Active during the Course of Infection. Journal of Virology, 2007, 81, 10300-10309.	3.4	34
350	Derlin-2-Deficient Mice Reveal an Essential Role for Protein Dislocation in Chondrocytes. Molecular and Cellular Biology, 2011, 31, 1145-1159.	2.3	34
351	The Tetraspanin CD82 Is Specifically Recruited to Fungal and Bacterial Phagosomes prior to Acidification. Infection and Immunity, 2011, 79, 1098-1106.	2.2	34
352	Acidic Amino Acid Residues in the Juxtamembrane Region of the Nucleotide-Sensing TLRs Are Important for UNC93B1 Binding and Signaling. Journal of Immunology, 2013, 190, 5287-5295.	0.8	34
353	Catchâ€andâ€Release Probes Applied to Semiâ€Intact Cells Reveal Ubiquitinâ€Specific Protease Expression in Chlamydia trachomatis Infection. ChemBioChem, 2013, 14, 343-352.	2.6	34
354	A Reporter Screen in a Human Haploid Cell Line Identifies CYLD as a Constitutive Inhibitor of NF-ÎºB. PLoS ONE, 2013, 8, e70339.	2.5	34
355	In vivo detection of antigen-specific CD8+ T cells by immuno-positron emission tomography. Nature Methods, 2020, 17, 1025-1032.	19.0	34
356	US2, a Human Cytomegalovirus-encoded Type I Membrane Protein, Contains a Non-cleavable Amino-terminal Signal Peptide. Journal of Biological Chemistry, 2002, 277, 11306-11313.	3.4	33
357	The Cell Biology of Antigen Presentation. Experimental Cell Research, 2002, 272, 1-7.	2.6	33
358	Functional Proteomics of the Active Cysteine Protease Content in Drosophila S2 Cells. Molecular and Cellular Proteomics, 2003, 2, 1188-1197.	3.8	33
359	Class Ia MHC-Deficient BALB/c Mice Generate CD8+T Cell-Mediated Protective Immunity AgainstListeria monocytogenesInfection. Journal of Immunology, 2003, 171, 291-298.	0.8	33
360	The co-crystal structure of ubiquitin carboxy-terminal hydrolase L1 (UCHL1) with a tripeptide fluoromethyl ketone (Z-VAE(OMe)-FMK). Bioorganic and Medicinal Chemistry Letters, 2012, 22, 3900-3904.	2.2	33

#	Article	IF	Citations
361	Assembly and Intracellular Targeting of the Î²Î³ Subunits of Heterotrimeric G Proteins. Journal of Cell Biology, 1997, 137, 305-317.	5.2	32
362	Elimination In Vivo of Developing T Cells by Natural Killer Cells. Journal of Experimental Medicine, 2003, 198, 1213-1224.	8.5	32
363	HIV-infected macrophages resist efficient NK cell-mediated killing while preserving inflammatory cytokine responses. Cell Host and Microbe, 2021, 29, 435-447.e9.	11.0	32
364	The effect of anchor residue modifications on the stability of major histocompatibility complex class I-peptide interactions. European Journal of Immunology, 1993, 23, 840-845.	2.9	31
365	Structural and Functional Analysis of Human Cytomegalovirus US3 Protein. Journal of Virology, 2004, 78, 413-423.	3.4	31
366	Development of an isotope-coded activity-based probe for the quantitative profiling of cysteine proteases. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 3131-3134.	2.2	31
367	The Transmembrane Segment of a Tail-anchored Protein Determines Its Degradative Fate through Dislocation from the Endoplasmic Reticulum. Journal of Biological Chemistry, 2010, 285, 20732-20739.	3.4	31
368	Cholera toxin activates nonconventional adjuvant pathways that induce protective CD8 T-cell responses after epicutaneous vaccination. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2072-2077.	7.1	31
369	A Viral Deubiquitylating Enzyme Restores Dislocation of Substrates from the Endoplasmic Reticulum (ER) in Semi-intact Cells. Journal of Biological Chemistry, 2012, 287, 23594-23603.	3.4	31
370	Chaperone AMPylation modulates aggregation and toxicity of neurodegenerative disease-associated polypeptides. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5008-E5017.	7.1	31
371	Allele-specific down-regulation of MHC class I antigens in Burkitt lymphoma lines. Cellular Immunology, 1989, 120, 396-400.	3.0	30
372	HLA-G and HLA-C at the fetoâ€“maternal interface: lessons learned from pathogenic viruses. Seminars in Cancer Biology, 1999, 9, 37-46.	9.6	30
373	LMP2 expression and proteasome activity in NOD mice. Nature Medicine, 2000, 6, 1064-1064.	30.7	30
374	Chemoenzymatic Site-Specific Labeling of Influenza Glycoproteins as a Tool to Observe Virus Budding in Real Time. PLoS Pathogens, 2012, 8, e1002604.	4.7	30
375	Monoclonal Invariant NKT (iNKT) Cell Mice Reveal a Role for Both Tissue of Origin and the TCR in Development of iNKT Functional Subsets. Journal of Immunology, 2017, 199, 159-171.	0.8	30
376	Lysosomal Cysteine and Aspartic Proteases Are Heterogeneously Expressed and Act Redundantly to Initiate Human Invariant Chain Degradation. Journal of Immunology, 2008, 180, 2876-2885.	0.8	29
377	Cathepsin S Regulates Class II MHC Processing in Human CD4+ HLA-DR+ T Cells. Journal of Immunology, 2009, 183, 945-952.	0.8	29
378	A Gammaherpesvirus Ubiquitin-Specific Protease Is Involved in the Establishment of Murine Gammaherpesvirus 68 Infection. Journal of Virology, 2009, 83, 10644-10652.	3.4	29

#	Article	IF	Citations
379	The assembly of H2-Kb class I molecules translatedin vitro requires oxidized glutathione and peptide. European Journal of Immunology, 1993, 23, 1305-1313.	2.9	28
380	Mouse MHC class I tetramers that are unable to bind to CD8 reveal the need for CD8 engagement in order to activate naive CD8 T cells. European Journal of Immunology, 2002, 32, 3425-3434.	2.9	28
381	The ER-Lumenal Domain of the HHV-7 Immunoevasin U21 Directs Class I MHC Molecules to Lysosomes. Traffic, 2003, 4, 824-837.	2.7	28
382	MICROBIOLOGY: Chemical Warfare and Mycobacterial Defense. Science, 2003, 302, 1900-1902.	12.6	28
383	Fluorophoreâ€Conjugated Holliday Junctions for Generating Superâ€Bright Antibodies and Antibody Fragments. Angewandte Chemie - International Edition, 2015, 54, 11706-11710.	13.8	28
384	The Antiviral Mechanism of an Influenza A Virus Nucleoprotein-Specific Single-Domain Antibody Fragment. MBio, 2016, 7, .	4.1	28
385	Targeted antigen delivery by an anti-class II MHC VHH elicits focused Î±MUC1(Tn) immunity. Chemical Science, 2017, 8, 5591-5597.	7.4	28
386	Class II MHC Self-Antigen Presentation in Human B and T Lymphocytes. PLoS ONE, 2012, 7, e29805.	2.5	27
387	A catalytically inactive mutant of the deubiquitylase YOD-1 enhances antigen cross-presentation. Blood, 2013, 121, 1145-1156.	1.4	27
388	Introduction of oxygen into the alkyl chain of N-decyl-dNM decreases lipophilicity and results in increased retention of glucose residues on N-linked oligosaccharides. Glycobiology, 1994, 4, 141-149.	2.5	26
389	Competition by inhibitory oligonucleotides prevents binding of CpG to Câ€terminal TLR9. European Journal of Immunology, 2011, 41, 2820-2827.	2.9	26
390	Induction of antigen-specific tolerance by nanobodyâ€“antigen adducts that target class-II major histocompatibility complexes. Nature Biomedical Engineering, 2021, 5, 1389-1401.	22.5	26
391	Biosynthesis of murine immunoglobulin D: Heterogeneity of glycosylation. European Journal of Immunology, 1982, 12, 804-813.	2.9	25
392	A pseudosubstrate peptide inhibits protein kinase C-mediated phosphorylation in permeabilized Rat-1 cells. FEBS Letters, 1990, 261, 147-150.	2.8	25
393	Distribution and elimination of the glycosidase inhibitors 1-deoxymannojirimycin and N-methyl-1-deoxynojirimycin in the rat in vivo. Pharmaceutical Research, 1992, 09, 1442-1450.	3.5	25
394	A novel immunoadsorption device for removing Î²2-microglobulin from whole blood. Kidney International, 2001, 59, 1544-1550.	5.2	25
395	Pathways Accessory to Proteasomal Proteolysis Are Less Efficient in Major Histocompatibility Complex Class I Antigen Production. Journal of Biological Chemistry, 2003, 278, 10013-10021.	3.4	25
396	Galectin-3 Regulates Î³-Herpesvirus Specific CD8ÂT Cell Immunity. IScience, 2018, 9, 101-119.	4.1	25

#	Article	IF	Citations
397	Can viruses help us to understand and classify the MHC class I molecules at the maternalâ€“fetal interface?. Human Immunology, 2000, 61, 1169-1176.	2.4	24
398	A new TLR2 agonist promotes cross-presentation by mouse and human antigen presenting cells. Human Vaccines and Immunotherapeutics, 2015, 11, 2038-2050.	3.3	24
399	Biochemical and cellular identification of HLA-Bw44 subtypes. Human Immunology, 1984, 11, 69-76.	2.4	23
400	DM exchange mechanism. Nature, 1995, 376, 464-465.	27.8	23
401	CD8+ T Cells from Mice Transnuclear for a TCR that Recognizes a Single H-2Kb-Restricted MHV68 Epitope Derived from gB-ORF8 Help Control Infection. Cell Reports, 2012, 1, 461-471.	6.4	23
402	A soluble, single-chain Kd molecule produced by yeast selects a peptide repertoire indistinguishable from that of cell-surface-associated Kd. European Journal of Immunology, 1993, 23, 1776-1783.	2.9	22
403	Translating cell biology in vitro to immunity in vivo. Nature, 2004, 430, 264-271.	27.8	22
404	Graphene Oxide Nanosheets Modified with Singleâ€Domain Antibodies for Rapid and Efficient Capture of Cells. Chemistry - A European Journal, 2015, 21, 17178-17183.	3.3	22
405	Vesicular stomatitis virus N proteinâ€specific singleâ€domain antibody fragments inhibit replication. EMBO Reports, 2017, 18, 1027-1037.	4.5	22
406	A class II MHC-targeted vaccine elicits immunity against SARS-CoV-2 and its variants. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	22
407	Protein visualization and manipulation in Drosophila through the use of epitope tags recognized by nanobodies. ELife, 2022, 11, .	6.0	22
408	In vivo control of endosomal architecture by class II-associated invariant chain and cathepsin S. European Journal of Immunology, 2005, 35, 2552-2562.	2.9	21
409	Sequence and structure evolved separately in a ribosomal ubiquitin variant. EMBO Journal, 2007, 26, 3474-3483.	7.8	21
410	Nanobodyâ€“Antigen Conjugates Elicit HPV-Specific Antitumor Immune Responses. Cancer Immunology Research, 2018, 6, 870-880.	3.4	20
411	Remodeling of the Tumor Microenvironment by a Chemokine/Anti-PD-L1 Nanobody Fusion Protein. Molecular Pharmaceutics, 2019, 16, 2838-2844.	4.6	20
412	Display of Native Antigen on cDC1 That Have Spatial Access to Both T and B Cells Underlies Efficient Humoral Vaccination. Journal of Immunology, 2020, 205, 1842-1856.	0.8	20
413	Nanobodies asin vivo, non-invasive, imaging agents. RSC Chemical Biology, 2021, 2, 685-701.	4.1	20
414	Development of an Influenza virus Protein Array Using Sortagging Technology. Bioconjugate Chemistry, 2012, 23, 1119-1126.	3.6	19

#	Article	IF	Citations
415	Negative Self-Regulation of TLR9 Signaling by Its N-Terminal Proteolytic Cleavage Product. Journal of Immunology, 2014, 193, 3726-3735.	0.8	19
416	rAMPing Up Stress Signaling: Protein AMPylation in Metazoans. Trends in Cell Biology, 2017, 27, 608-620.	7.9	19
417	The ligand recognized by ELAM-1 on HL60 cells is not carried by N-linked oligosaccharides. European Journal of Immunology, 1991, 21, 3057-3059.	2.9	18
418	Thymic Selection and Peripheral Activation of CD8 T Cells by the Same Class I MHC/Peptide Complex. Journal of Immunology, 2004, 172, 699-708.	0.8	18
419	Selective targeting of ligand-dependent and -independent signaling by GPCR conformation-specific anti-US28 intrabodies. Nature Communications, 2021, 12, 4357.	12.8	18
420	Deviant trafficking of I-Ad mutant molecules is reflected in their peptide binding properties. European Journal of Immunology, 1999, 29, 2729-2739.	2.9	17
421	Mice deficient in invariant-chain and MHC class II exhibit a normal mature B2 cell compartment. European Journal of Immunology, 2004, 34, 2230-2236.	2.9	17
422	The activity of myeloid cell-specific VHH immunotoxins is target-, epitope-, subset- and organ dependent. Scientific Reports, 2017, 7, 17916.	3.3	17
423	Preparation of bispecific antibody-protein adducts by site-specific chemo-enzymatic conjugation. Methods, 2019, 154, 93-101.	3.8	17
424	Asparaginyl Ligase-Catalyzed One-Step Cell Surface Modification of Red Blood Cells. ACS Chemical Biology, 2021, 16, 1201-1207.	3.4	17
425	Protein quality control in the endoplasmic reticulum. F1000prime Reports, 2014, 6, 49.	5.9	16
426	CD82 controls CpGâ€dependent TLR9 signaling. FASEB Journal, 2019, 33, 12500-12514.	0.5	16
427	Ubiquitin-Dependent Control of Class II MHC Localization Is Dispensable for Antigen Presentation and Antibody Production. PLoS ONE, 2011, 6, e18817.	2.5	16
428	Immunochemical ANALYSIS OF GLYCOSYLATED AND nonglycosylated dla class I antigens. Immunogenetics, 1984, 19, 95-107.	2.4	15
429	A protease draws first blood. Nature, 1998, 396, 625-627.	27.8	15
430	Antigen overview. Current Opinion in Immunology, 1998, 10, 57-58.	5.5	15
431	Single-chain antibody fragment-based adsorbent for the extracorporeal removal of Î²2-microglobulin. Kidney International, 2004, 65, 310-322.	5.2	15
432	Mechanismâ€Based Proteomics Tools Based on Ubiquitin and Ubiquitinâ€Like Proteins: Crystallography, Activity Profiling, and Protease Identification. Methods in Enzymology, 2005, 399, 120-131.	1.0	15

#	Article	IF	Citations
433	Immune-privileged embryonic Swiss mouse STO and STO cell-derived progenitor cells: major histocompatibility complex and cell differentiation antigen expression patterns resemble those of human embryonic stem cell lines. Immunology, 2006, 119, 98-115.	4.4	15
434	Dressed-up proteins. Nature, 2007, 446, 994-995.	27.8	15
435	Antigen presentation: Untapped peptides. Current Biology, 1993, 3, 380-383.	3.9	14
436	Mechanismâ€Based Proteomics Tools Based on Ubiquitin and Ubiquitinâ€Like Proteins: Synthesis of Active Siteâ€Directed Probes. Methods in Enzymology, 2005, 399, 468-478.	1.0	14
437	Transnuclear Mice with Pre-defined T Cell Receptor Specificities Against Toxoplasma gondii Obtained Via SCNT. Journal of Visualized Experiments, 2010, , .	0.3	14
438	The Chaperone BAG6 Captures Dislocated Glycoproteins in the Cytosol. PLoS ONE, 2014, 9, e90204.	2.5	14
439	Internalization of Influenza Virus and Cell Surface Proteins Monitored by Site-Specific Conjugation of Protease-Sensitive Probes. ACS Chemical Biology, 2019, 14, 1836-1844.	3.4	14
440	Association of Mouse Mammary Tumor Virus Superantigen with MHC Class II During Biosynthesis. Journal of Immunology, 2001, 166, 3309-3314.	0.8	13
441	Synthesis of tritium labeled KRN7000. Tetrahedron Letters, 2006, 47, 3677-3679.	1.4	13
442	Intestinal Colonization by Candida albicans Alters Inflammatory Responses in Bruton's Tyrosine Kinase-Deficient Mice. PLoS ONE, 2014, 9, e112472.	2.5	13
443	Targeted Delivery of Cyclotides via Conjugation to a Nanobody. ACS Chemical Biology, 2018, 13, 2973-2980.	3.4	13
444	Activation of a G protein-coupled receptor through indirect antibody-mediated tethering of ligands. RSC Chemical Biology, 2021, 2, 1692-1700.	4.1	13
445	A New MHC Locus That Influences Class I Peptide Presentation. Immunity, 1997, 7, 641-651.	14.3	12
446	A nanobody suite for yeast scaffold nucleoporins provides details of the nuclear pore complex structure. Nature Communications, 2020, 11, 6179.	12.8	12
447	Concanamycin B Inhibits the Expression of Newly-synthesized MHC Class II Molecules on the Cell Surface.. Journal of Antibiotics, 1995, 48, 488-494.	2.0	11
448	Murine female reproductive tract intraepithelial lymphocytes display selection characteristics distinct from both peripheral and other mucosal T cells. Journal of Reproductive Immunology, 2001, 52, 85-99.	1.9	11
449	Podocytes exhibit a specialized protein quality control employing derlin-2 in kidney disease. American Journal of Physiology - Renal Physiology, 2018, 314, F471-F482.	2.7	11
450	Neoleukin-2 enhances anti-tumour immunity downstream of peptide vaccination targeted by an anti-MHC class II VHH. Open Biology, 2020, 10, 190235.	3.6	11

#	Article	IF	Citations
451	ERAD components Derlin-1 and Derlin-2 are essential for postnatal brain development and motor function. IScience, 2021, 24, 102758.	4.1	11
452	Activation of human B cells: Involvement of surface immunoglobulin as evidenced by two biochemically distinct types of response to Staphylococcus aureus. Human Immunology, 1986, 16, 1-13.	2.4	10
453	Bridging B Cell and T Cell Recognition of Antigen. Journal of Immunology, 2007, 179, 7193-7193.	0.8	10
454	Converting an Anti-Mouse CD4 Monoclonal Antibody into an scFv Positron Emission Tomography Imaging Agent for Longitudinal Monitoring of CD4+ T Cells. Journal of Immunology, 2021, 207, 1468-1477.	0.8	10
455	Deletion of mFICD AMPylase alters cytokine secretion and affects visual short-term learning inÂvivo. Journal of Biological Chemistry, 2021, 297, 100991.	3.4	10
456	Transnuclear CD 8 T cells specific for the immunodominant epitope Gra6 lower acuteâ€phase Toxoplasma gondii burden. Immunology, 2016, 149, 270-279.	4.4	9
457	Lessons from viral manipulation of protein disposal pathways. Journal of Clinical Investigation, 2002, 110, 875-879.	8.2	9
458	A feline class II ? gene with striking similarity to the HLA-DPA pseudogene. Immunogenetics, 1988, 28, 406-411.	2.4	8
459	Isolation and characterization of three cDNAs coding for Rab proteins from the albumen gland of the mollusc Lymnaea stagnalis. FEBS Journal, 1993, 217, 241-246.	0.2	8
460	Amino Acid Copolymers That Alleviate Experimental Autoimmune Encephalomyelitis In Vivo Interact with Heparan Sulfates and Glycoprotein 96 in APCs. Journal of Immunology, 2013, 191, 208-216.	0.8	8
461	Turnip yellow mosaic virus protease binds ubiquitin suboptimally to fine-tune its deubiquitinase activity. Journal of Biological Chemistry, 2020, 295, 13769-13783.	3.4	8
462	Hydrogel-Based Stamping Technology for Solution-Free Blood Cell Staining. ACS Applied Materials & Interfaces, 2021, 13, 22124-22130.	8.0	8
463	Noninvasive Immuno-PET Imaging of CD8+ T Cell Behavior in Influenza A Virus-Infected Mice. Frontiers in Immunology, 2021, 12, 777739.	4.8	8
464	Repertoire-Determining Role of Peptide in the Positive Selection of CD8+ T cells. Immunological Reviews, 1993, 135, 157-182.	6.0	7
465	The Î²Î³ subunits of heterotrimeric G proteins acquire detergent insolubility directly at the plasma membrane. FEBS Letters, 1997, 416, 39-44.	2.8	7
466	Viral immunoevasive strategies and trophoblast class I major histocompatibility complex antigens. Journal of Reproductive Immunology, 1999, 43, 243-251.	1.9	7
467	Characterization of in vivo expanded OspA-specific human T-cell clonesâ˜†. Clinical Immunology, 2005, 115, 313-322.	3.2	7
468	TLRs bent into shape. Nature Immunology, 2007, 8, 675-677.	14.5	7

#	Article	IF	Citations
469	Peripheral self-reactivity regulates antigen-specific CD8 T-cell responses and cell division under physiological conditions. Open Biology, 2016, 6, 160293.	3.6	7
470	Recognition of Class II MHC Peptide Ligands That Contain Î²-Amino Acids. Journal of Immunology, 2019, 203, 1619-1628.	0.8	7
471	Determination of attachment sites for N-linked carbohydrate groups of class II histocompatibility Î±-chain and analysis of possible O -linked glycosylation of Î±- and Î³ -chains. Molecular Immunology, 1986, 23, 15-25.	2.2	6
472	Editorial: Crystal death: it's not always the inflammasomeâ€¦. Journal of Leukocyte Biology, 2017, 102, 1-4.	3.3	6
473	Rapid capture and labeling of cells on single domain antibodies-functionalized flow cell. Biosensors and Bioelectronics, 2017, 89, 789-794.	10.1	6
474	An in vivo selection-derived <scp>d</scp> -peptide for engineering erythrocyte-binding antigens that promote immune tolerance. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	6
475	Influenza virus changes cell-surface glycoproteins including major histocompatibility complex determinants on lymphocytes. Human Immunology, 1989, 26, 199-213.	2.4	5
476	IMMUNOLOGY: Nothing 'gainst Time's Scythe Can Make Defense.... Science, 2004, 304, 1262-1263.	12.6	5
477	Optimized fluorescent labeling to identify memory B cells specific for Neisseria meningitidis serogroup B vaccine antigens ex vivo. Immunity, Inflammation and Disease, 2013, 1, 3-13.	2.7	5
478	Logic of the Immune System. Cancer Immunology Research, 2013, 1, 5-10.	3.4	5
479	Antigen discovery tools for adaptive immune receptor repertoire research. Current Opinion in Systems Biology, 2020, 24, 64-70.	2.6	5
480	Herpesvirus evasion of T-cell immunity. , 2007, , 1117-1136.		4
481	Subunit interactions of the Go protein. FEBS Letters, 1992, 308, 75-78.	2.8	4
482	A monoclonal antibody that causes the heterotrimeric G-protein Goto release its Î²Î³ subunits. FEBS Letters, 1996, 387, 16-22.	2.8	4
483	Don Craig Wiley (1944â€“2001). Nature, 2002, 415, 492-492.	27.8	4
484	Structurally Defined Î±MHCâ€‐Nanobodyâ€“Drug Conjugates: A Therapeutic and Imaging System for Bâ€Cell Lymphoma. Angewandte Chemie, 2016, 128, 2462-2466.	2.0	4
485	Chapter 4 Complete Primary Structure of Human Histocompatibility Antigen Hla-B7: Evolutionary and Functional Implications. Current Topics in Developmental Biology, 1980, 14, 97-113.	2.2	3
486	Immune and Other Responses to Viral Infections. Nutrition Reviews, 2009, 58, S25-S30.	5.8	3

#	Article	IF	Citations
487	Secretion of Circular Proteins Using Sortase. Methods in Molecular Biology, 2014, 1174, 73-83.	0.9	3
488	The primary structure of a feline class I gene: Striking similarity toHLA-A. Immunogenetics, 1989, 30, 330-334.	2.4	2
489	Monoclonal antibodies that distinguish between free and complexed heterotrimeric G protein Î² subunits. FEBS Letters, 1997, 402, 277-285.	2.8	2
490	Catching Proteases in Action with Microarrays. Chemistry and Biology, 2004, 11, 1328-1330.	6.0	2
491	Jacques H. van Boom (1937â€“2004). Nature, 2004, 431, 755-755.	27.8	2
492	In vitro AMPylation Assays Using Purified, Recombinant Proteins. Bio-protocol, 2017, 7, .	0.4	2
493	Immunology at the millennium: looking forward. Current Opinion in Immunology, 1999, 11, 490-492.	5.5	1
494	Editorial overview. Current Opinion in Immunology, 2009, 21, 68-69.	5.5	1
495	Huib Ovaa (1973â€“2020). Cell Chemical Biology, 2020, 27, 645-646.	5.2	1
496	Specific role for cathepsin S in the generation of antigenic peptides in vivo. , 2002, 32, 467.		1
497	A molecule's right to choose: how diabetogenic class II MHC products bind peptides. Journal of Clinical Investigation, 2005, 115, 2077-2079.	8.2	1
498	Engineered red blood cells carrying PCSK9 inhibitors persistently lower LDL and prevent obesity. PLoS ONE, 2021, 16, e0259353.	2.5	1
499	Cell surface and extracellular glycoconjugates: Structure and function. Trends in Biochemical Sciences, 1994, 19, 391-392.	7.5	0
500	Antigen presentation: immunologists co-opt cell biology. Trends in Cell Biology, 1996, 6, 255-256.	7.9	0
501	Qa-2â€“Dependent Selection of Cd8Î±/Î± T Cell Receptor Î±/Î²1 Cells in Murine Intestinal Intraepithelial Lymphocytes. Journal of Experimental Medicine, 2001, 193, 413-414.	8.5	0
502	A European slant on mol biol. Nature, 2001, 413, 679-680.	27.8	0
503	The Peptide Cargo of Class I Molecules: Not Just Passive Passengers. Journal of Immunology, 2007, 179, 4299-4300.	0.8	0
504	Hidde Ploegh: Immunologist, journeyman. Journal of Cell Biology, 2007, 179, 364-365.	5.2	0

#	Article	IF	Citations
505	Ubiquitin-specific Peptidases 14 and 6. , 2013, , 2086-2089.		0
506	A Mouse Monoclonal Antibody Against Alexa Fluor 647. Monoclonal Antibodies in Immunodiagnosis and Immunotherapy, 2014, 33, 109-120.	1.6	0
507	Herman Eisen (1918â€“2014). Nature, 2014, 516, 38-38.	27.8	0
508	Editorial overview: Special section: Immunological engineering. Current Opinion in Immunology, 2015, 35, ix-xi.	5.5	0
509	Machinery that guides immunity. Nature, 2017, 551, 442-443.	27.8	0
510	Obituary Johannes J. ("Jon") van Rood. Current Opinion in Immunology, 2018, 50, iv.	5.5	0
511	A giant ubiquitin ligase. Nature Chemical Biology, 2021, 17, 1014-1015.	8.0	0
512	The IL-2 Induced De-Ubiquitinating Enzyme, DUB-2, Is a Nuclear-Cytoplasmic Shuttle Which Requires Catalytic Activity for Nuclear Localization.. Blood, 2006, 108, 868-868.	1.4	0
513	ElaD Peptidase (Escherichia coli). , 2013, , 2392-2396.		0
514	UL36 Deubiquitinylating Peptidase. , 2013, , 2131-2134.		0
515	Quantitative Analysis of Cellular Diacylglycerol Content. Bio-protocol, 2014, 4, .	0.4	0
516	The Role of N-Linked Carbohydrates in Antigen Presentation. Trends in Glycoscience and Glycotechnology, 1990, 2, 365-372.	0.1	0
517	Protein quality control in the endoplasmic reticulum (472.3). FASEB Journal, 2014, 28, 472.3.	0.5	0
518	Imaging Human Immune Cell Infiltration in a Xenograft Graft-Versus-Host Disease Model. Blood, 2016, 128, 5720-5720.	1.4	0
519	623â€…Immuno-STATs: Leveraging protein engineering to expand and track antigen-specific T cells in vivo. , 2020, , .		0
520	Immune Tolerance by Red Cells. Blood, 2020, 136, SCI4-SCI4.	1.4	0