

Hidde L Ploegh

List of Publications by Year in descending order

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520
papers

60,866
citations

668

122
h-index

1413

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. <i>Cell</i> , 2014, 159, 647-661.	13.5	2,176
2	CX3CR1-Mediated Dendritic Cell Access to the Intestinal Lumen and Bacterial Clearance. <i>Science</i> , 2005, 307, 254-258.	6.0	1,449
3	Sec6l-mediated transfer of a membrane protein from the endoplasmic reticulum to the proteasome for destruction. <i>Nature</i> , 1996, 384, 432-438.	13.7	1,054
4	The Human Cytomegalovirus US11 Gene Product Dislocates MHC Class I Heavy Chains from the Endoplasmic Reticulum to the Cytosol. <i>Cell</i> , 1996, 84, 769-779.	13.5	1,035
5	Increasing the efficiency of precise genome editing with CRISPR-Cas9 by inhibition of nonhomologous end joining. <i>Nature Biotechnology</i> , 2015, 33, 538-542.	9.4	945
6	Empty MHC class I molecules come out in the cold. <i>Nature</i> , 1990, 346, 476-480.	13.7	905
7	Herpes simplex virus turns off the TAP to evade host immunity. <i>Nature</i> , 1995, 375, 411-415.	13.7	837
8	Viral Subversion of the Immune System. <i>Annual Review of Immunology</i> , 2000, 18, 861-926.	9.5	764
9	TAP1 mutant mice are deficient in antigen presentation, surface class I molecules, and CD4 ⁺ T cells. <i>Cell</i> , 1992, 71, 1205-1214.	13.5	677
10	An unconventional role for miRNA: let-7 activates Toll-like receptor 7 and causes neurodegeneration. <i>Nature Neuroscience</i> , 2012, 15, 827-835.	7.1	647
11	Segregation of MHC class II molecules from MHC class I molecules in the Golgi complex for transport to lysosomal compartments. <i>Nature</i> , 1991, 349, 669-676.	13.7	645
12	Interference with HIV-induced syncytium formation and viral infectivity by inhibitors of trimming glucosidase. <i>Nature</i> , 1987, 330, 74-77.	13.7	628
13	Cathepsin L: Critical Role in li Degradation and CD4 T Cell Selection in the Thymus. <i>Science</i> , 1998, 280, 450-453.	6.0	624
14	A membrane protein required for dislocation of misfolded proteins from the ER. <i>Nature</i> , 2004, 429, 834-840.	13.7	619
15	UNC93B1 delivers nucleotide-sensing toll-like receptors to endolysosomes. <i>Nature</i> , 2008, 452, 234-238.	13.7	589
16	Multiple Associated Proteins Regulate Proteasome Structure and Function. <i>Molecular Cell</i> , 2002, 10, 495-507.	4.5	579
17	Road to Ruin: Targeting Proteins for Degradation in the Endoplasmic Reticulum. <i>Science</i> , 2011, 334, 1086-1090.	6.0	559
18	The Angelman Syndrome Protein Ube3A Regulates Synapse Development by Ubiquitinating Arc. <i>Cell</i> , 2010, 140, 704-716.	13.5	554

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19	Acetylation of the C Terminus of Ku70 by CBP and PCAF Controls Bax-Mediated Apoptosis. <i>Molecular Cell</i> , 2004, 13, 627-638.	4.5	550
20	Chemistry-Based Functional Proteomics Reveals Novel Members of the Deubiquitinating Enzyme Family. <i>Chemistry and Biology</i> , 2002, 9, 1149-1159.	6.2	533
21	The known unknowns of antigen processing and presentation. <i>Nature Reviews Immunology</i> , 2008, 8, 607-618.	10.6	529
22	CEACAM1 regulates TIM-3-mediated tolerance and exhaustion. <i>Nature</i> , 2015, 517, 386-390.	13.7	525
23	Major histocompatibility antigens: The human (HLA-A,-B,-C) and murine (H-2K, H-2D) class I molecules. <i>Cell</i> , 1981, 24, 287-299.	13.5	517
24	Essential Role for Cathepsin S in MHC Class II-Associated Invariant Chain Processing and Peptide Loading. <i>Immunity</i> , 1996, 4, 357-366.	6.6	502
25	Sortagging: a versatile method for protein labeling. <i>Nature Chemical Biology</i> , 2007, 3, 707-708.	3.9	494
26	Cathepsin S Required for Normal MHC Class II Peptide Loading and Germinal Center Development. <i>Immunity</i> , 1999, 10, 197-206.	6.6	486
27	Regulation of monoubiquitinated PCNA by DUB autocleavage. <i>Nature Cell Biology</i> , 2006, 8, 341-347.	4.6	486
28	A novel active site-directed probe specific for deubiquitylating enzymes reveals proteasome association of USP14. <i>EMBO Journal</i> , 2001, 20, 5187-5196.	3.5	469
29	Haploid Genetic Screens in Human Cells Identify Host Factors Used by Pathogens. <i>Science</i> , 2009, 326, 1231-1235.	6.0	452
30	The ER-Luminal Domain of the HCMV Glycoprotein US6 Inhibits Peptide Translocation by TAP. <i>Immunity</i> , 1997, 6, 613-621.	6.6	441
31	Isolation and characterization of the intracellular MHC class II compartment. <i>Nature</i> , 1994, 369, 120-126.	13.7	440
32	Crystal Structure of the Boronic Acid-Based Proteasome Inhibitor Bortezomib in Complex with the Yeast 20S Proteasome. <i>Structure</i> , 2006, 14, 451-456.	1.6	431
33	Generation, Translocation, and Presentation of MHC Class I-Restricted Peptides. <i>Annual Review of Biochemistry</i> , 1995, 64, 463-491.	5.0	421
34	Proteolytic cleavage in an endolysosomal compartment is required for activation of Toll-like receptor 9. <i>Nature Immunology</i> , 2008, 9, 1407-1414.	7.0	420
35	Direct binding of peptide to empty MHC class I molecules on intact cells and in vitro. <i>Cell</i> , 1990, 62, 563-567.	13.5	415
36	A microengraving method for rapid selection of single cells producing antigen-specific antibodies. <i>Nature Biotechnology</i> , 2006, 24, 703-707.	9.4	410

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37	The interaction between the ER membrane protein UNC93B and TLR3, 7, and 9 is crucial for TLR signaling. <i>Journal of Cell Biology</i> , 2007, 177, 265-275.	2.3	392
38	Accessory molecules for Toll-like receptors and their function. <i>Nature Reviews Immunology</i> , 2012, 12, 168-179.	10.6	374
39	T-cell engagement of dendritic cells rapidly rearranges MHC class II transport. <i>Nature</i> , 2002, 418, 983-988.	13.7	368
40	Mice lacking the MHC class II-associated invariant chain. <i>Cell</i> , 1993, 72, 635-648.	13.5	360
41	TAP1-dependent peptide translocation in vitro is ATP dependent and peptide selective. <i>Cell</i> , 1993, 74, 577-584.	13.5	348
42	CD8 ⁺ Dendritic Cells Are the Critical Source of Interleukin-12 that Controls Acute Infection by <i>Toxoplasma gondii</i> Tachyzoites. <i>Immunity</i> , 2011, 35, 249-259.	6.6	334
43	Dendrimer-RNA nanoparticles generate protective immunity against lethal Ebola, H1N1 influenza, and <i>Toxoplasma gondii</i> challenges with a single dose. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4133-42.	3.3	320
44	Novel mannosidase inhibitor blocking conversion of high mannose to complex oligosaccharides. <i>Nature</i> , 1984, 307, 755-758.	13.7	319
45	Mice Lacking H2-M Complexes, Enigmatic Elements of the MHC Class II Peptide-Loading Pathway. <i>Cell</i> , 1996, 84, 531-541.	13.5	312
46	Neuronal loss and brain atrophy in mice lacking cathepsins B and L. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 7883-7888.	3.3	303
47	The systemic response to surgery triggers the outgrowth of distant immune-controlled tumors in mouse models of dormancy. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	301
48	Epithelial-to-Mesenchymal Transition Contributes to Immunosuppression in Breast Carcinomas. <i>Cancer Research</i> , 2017, 77, 3982-3989.	0.4	294
49	Ubiquitin-Like Proteins. <i>Annual Review of Biochemistry</i> , 2012, 81, 323-357.	5.0	293
50	Site-specific C-terminal and internal loop labeling of proteins using sortase-mediated reactions. <i>Nature Protocols</i> , 2013, 8, 1787-1799.	5.5	291
51	Multiprotein complexes that link dislocation, ubiquitination, and extraction of misfolded proteins from the endoplasmic reticulum membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 14296-14301.	3.3	288
52	Durable antitumor responses to CD47 blockade require adaptive immune stimulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2646-54.	3.3	272
53	A proteolytic system that compensates for loss of proteasome function. <i>Nature</i> , 1998, 392, 618-622.	13.7	266
54	Peptide contributes to the specificity of positive selection of CD8 ⁺ T cells in the thymus. <i>Cell</i> , 1993, 73, 1041-1049.	13.5	261

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55	Structural basis for chemokine recognition and activation of a viral G protein-coupled receptor. <i>Science</i> , 2015, 347, 1113-1117.	6.0	261
56	Peptide selection by MHC class I molecules. <i>Nature</i> , 1991, 350, 703-706.	13.7	257
57	How MHC Class II Molecules Acquire Peptide Cargo: Biosynthesis and Trafficking through the Endocytic Pathway. <i>Annual Review of Cell and Developmental Biology</i> , 1995, 11, 267-306.	4.0	250
58	Epithelial-to-Mesenchymal Transition Activates PERK-eIF2 γ and Sensitizes Cells to Endoplasmic Reticulum Stress. <i>Cancer Discovery</i> , 2014, 4, 702-715.	7.7	250
59	A lipid-based model for the creation of an escape hatch from the endoplasmic reticulum. <i>Nature</i> , 2007, 448, 435-438.	13.7	246
60	Ubiquitination, Ubiquitin-like Modifiers, and Deubiquitination in Viral Infection. <i>Cell Host and Microbe</i> , 2009, 5, 559-570.	5.1	245
61	Making and Breaking Peptide Bonds: Protein Engineering Using Sortase. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5024-5032.	7.2	245
62	The WD-40 repeat. <i>FEBS Letters</i> , 1992, 307, 131-134.	1.3	238
63	Activity probe for in vivo profiling of the specificity of proteasome inhibitor bortezomib. <i>Nature Methods</i> , 2005, 2, 357-362.	9.0	230
64	Allele and locus-specific differences in cell surface expression and the association of HLA class I heavy chain with β 2-microglobulin: differential effects of inhibition of glycosylation on class I subunit association. <i>European Journal of Immunology</i> , 1988, 18, 801-810.	1.6	229
65	A Deubiquitinating Enzyme Encoded by HSV-1 Belongs to a Family of Cysteine Proteases that Is Conserved across the Family Herpesviridae. <i>Molecular Cell</i> , 2005, 19, 547-557.	4.5	229
66	Proteases involved in MHC class II antigen presentation. <i>Immunological Reviews</i> , 1999, 172, 109-120.	2.8	223
67	Site-Specific N- and C-Terminal Labeling of a Single Polypeptide Using Sortases of Different Specificity. <i>Journal of the American Chemical Society</i> , 2009, 131, 10800-10801.	6.6	223
68	Differential dependence of CD4 ⁺ CD25 ⁺ regulatory and natural killer-like T cells on signals leading to NF- κ B activation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 4566-4571.	3.3	218
69	Role for Cathepsin F in Invariant Chain Processing and Major Histocompatibility Complex Class II Peptide Loading by Macrophages. <i>Journal of Experimental Medicine</i> , 2000, 191, 1177-1186.	4.2	216
70	Site-specific N-terminal labeling of proteins using sortase-mediated reactions. <i>Nature Protocols</i> , 2013, 8, 1800-1807.	5.5	215
71	A Single Protease, Apg4B, Is Specific for the Autophagy-related Ubiquitin-like Proteins GATE-16, MAP1-LC3, GABARAP, and Apg8L. <i>Journal of Biological Chemistry</i> , 2003, 278, 51841-51850.	1.6	213
72	SEL1L nucleates a protein complex required for dislocation of misfolded glycoproteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12325-12330.	3.3	211

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73	Cathepsin S Controls the Trafficking and Maturation of Mhc Class II Molecules in Dendritic Cells. <i>Journal of Cell Biology</i> , 1999, 147, 775-790.	2.3	210
74	Global gene disruption in human cells to assign genes to phenotypes by deep sequencing. <i>Nature Biotechnology</i> , 2011, 29, 542-546.	9.4	207
75	<i>Helicobacter pylori</i> cytotoxin-associated gene A (CagA) subverts the apoptosis-stimulating protein of p53 (ASPP2) tumor suppressor pathway of the host. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9238-9243.	3.3	205
76	Nanobody-based CAR T cells that target the tumor microenvironment inhibit the growth of solid tumors in immunocompetent mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7624-7631.	3.3	205
77	Analysis of Protease Activity in Live Antigen-presenting Cells Shows Regulation of the Phagosomal Proteolytic Contents During Dendritic Cell Activation. <i>Journal of Experimental Medicine</i> , 2002, 196, 529-540.	4.2	201
78	A role for N-glycanase in the cytosolic turnover of glycoproteins. <i>EMBO Journal</i> , 2003, 22, 1036-1046.	3.5	198
79	In vivo discovery of immunotherapy targets in the tumour microenvironment. <i>Nature</i> , 2014, 506, 52-57.	13.7	197
80	Mechanisms, biology and inhibitors of deubiquitinating enzymes. <i>Nature Chemical Biology</i> , 2007, 3, 697-705.	3.9	196
81	A guide to antigen processing and presentation. <i>Nature Reviews Immunology</i> , 2022, 22, 751-764.	10.6	195
82	Noninvasive imaging of immune responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 6146-6151.	3.3	192
83	Activity-based ubiquitin-specific protease (USP) profiling of virus-infected and malignant human cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 2253-2258.	3.3	191
84	Chemical Probes for the Rapid Detection of Fatty-Acylated Proteins in Mammalian Cells. <i>Journal of the American Chemical Society</i> , 2007, 129, 2744-2745.	6.6	191
85	Predicting the response to CTLA-4 blockade by longitudinal noninvasive monitoring of CD8 T cells. <i>Journal of Experimental Medicine</i> , 2017, 214, 2243-2255.	4.2	187
86	Degradation of Mouse Invariant Chain: Roles of Cathepsins S and D and the Influence of Major Histocompatibility Complex Polymorphism. <i>Journal of Experimental Medicine</i> , 1997, 186, 549-560.	4.2	185
87	Specific and Covalent Targeting of Conjugating and Deconjugating Enzymes of Ubiquitin-Like Proteins. <i>Molecular and Cellular Biology</i> , 2004, 24, 84-95.	1.1	184
88	SEL1L, the homologue of yeast Hrd3p, is involved in protein dislocation from the mammalian ER. <i>Journal of Cell Biology</i> , 2006, 175, 261-270.	2.3	180
89	Exploiting Nanobodies™ Singular Traits. <i>Annual Review of Immunology</i> , 2018, 36, 695-715.	9.5	179
90	Proteolysis in MHC Class II Antigen Presentation. <i>Immunity</i> , 2000, 12, 233-239.	6.6	177

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91	The Otubain YOD1 Is a Deubiquitinating Enzyme that Associates with p97 to Facilitate Protein Dislocation from the ER. <i>Molecular Cell</i> , 2009, 36, 28-38.	4.5	177
92	Degradation of Proteins from the ER of <i>S. cerevisiae</i> Requires an Intact Unfolded Protein Response Pathway. <i>Molecular Cell</i> , 2000, 5, 729-735.	4.5	171
93	Antigen Presentation and the Ubiquitin-Proteasome System in Host-Pathogen Interactions. <i>Advances in Immunology</i> , 2006, 92, 225-305.	1.1	169
94	Sortase-catalyzed transformations that improve the properties of cytokines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 3169-3174.	3.3	169
95	An improved biochemical method for the analysis of HLA-class I antigens. Definition of new HLA-class I subtypes. <i>Human Immunology</i> , 1986, 16, 169-181.	1.2	168
96	Substrate binding and sequence preference of the proteasome revealed by active-site-directed affinity probes. <i>Chemistry and Biology</i> , 1998, 5, 307-320.	6.2	168
97	Engineered red blood cells as carriers for systemic delivery of a wide array of functional probes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 10131-10136.	3.3	168
98	The Caspase-like Sites of Proteasomes, Their Substrate Specificity, New Inhibitors and Substrates, and Allosteric Interactions with the Trypsin-like Sites. <i>Journal of Biological Chemistry</i> , 2003, 278, 35869-35877.	1.6	167
99	Structure of the Ubiquitin Hydrolase UCH-L3 Complexed with a Suicide Substrate. <i>Journal of Biological Chemistry</i> , 2005, 280, 1512-1520.	1.6	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. <i>Chemistry and Biology</i> , 2013, 20, 912-921.	6.2	165
101	The ϵ Chain of the T Cell Antigen Receptor Is Degraded in the Cytosol. <i>Immunity</i> , 1997, 7, 113-122.	6.6	163
102	XBP-1 regulates signal transduction, transcription factors and bone marrow colonization in B cells. <i>EMBO Journal</i> , 2009, 28, 1624-1636.	3.5	163
103	Cytokines Regulate Proteolysis in Major Histocompatibility Complex Class II-Dependent Antigen Presentation by Dendritic Cells. <i>Journal of Experimental Medicine</i> , 2001, 193, 881-892.	4.2	161
104	Granulin Is a Soluble Cofactor for Toll-like Receptor 9 Signaling. <i>Immunity</i> , 2011, 34, 505-513.	6.6	160
105	Crystal structure of a substrate-engaged SecY protein-translocation channel. <i>Nature</i> , 2016, 531, 395-399.	13.7	159
106	Quality and quantity control at the endoplasmic reticulum. <i>Current Opinion in Cell Biology</i> , 2010, 22, 437-446.	2.6	153
107	The SUMO-Specific Protease SENP5 Is Required for Cell Division. <i>Molecular and Cellular Biology</i> , 2006, 26, 4489-4498.	1.1	150
108	Extended peptide-based inhibitors efficiently target the proteasome and reveal overlapping specificities of the catalytic β -subunits. <i>Chemistry and Biology</i> , 2001, 8, 913-929.	6.2	149

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109	A Straight Path to Circular Proteins. <i>Journal of Biological Chemistry</i> , 2009, 284, 16028-16036.	1.6	147
110	A single domain antibody fragment that recognizes the adaptor ASC defines the role of ASC domains in inflammasome assembly. <i>Journal of Experimental Medicine</i> , 2016, 213, 771-790.	4.2	145
111	Isolation, expression, and the primary structure of HLA-Cw1 and HLA-Cw2 genes: Evolutionary aspects. <i>Immunogenetics</i> , 1987, 25, 313-322.	1.2	144
112	A Deubiquitinating Activity Is Conserved in the Large Tegument Protein of the Herpesviridae. <i>Journal of Virology</i> , 2005, 79, 15582-15585.	1.5	141
113	Zwitterionic Polysaccharides Stimulate T Cells by MHC Class II-Dependent Interactions. <i>Journal of Immunology</i> , 2002, 169, 6149-6153.	0.4	140
114	The Pathway of Us11-Dependent Degradation of Mhc Class I Heavy Chains Involves a Ubiquitin-Conjugated Intermediate. <i>Journal of Cell Biology</i> , 1999, 147, 45-58.	2.3	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. <i>Journal of Experimental Medicine</i> , 1998, 188, 497-503.	4.2	138
116	Identification of Proteins Associated with Murine Cytomegalovirus Virions. <i>Journal of Virology</i> , 2004, 78, 11187-11197.	1.5	138
117	The mouse polyubiquitin gene UbC is essential for fetal liver development, cell-cycle progression and stress tolerance. <i>EMBO Journal</i> , 2007, 26, 2693-2706.	3.5	138
118	Lipid Modification of Proteins through Sortase-Catalyzed Transpeptidation. <i>Journal of the American Chemical Society</i> , 2008, 130, 16338-16343.	6.6	138
119	A CREB3-ARF4 signalling pathway mediates the response to Golgi stress and susceptibility to pathogens. <i>Nature Cell Biology</i> , 2013, 15, 1473-1485.	4.6	135
120	Molecular basis of caspase-1 polymerization and its inhibition by a new capping mechanism. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 416-425.	3.6	135
121	Control of cross-presentation during dendritic cell maturation. <i>European Journal of Immunology</i> , 2004, 34, 398-407.	1.6	134
122	Effects of PS-341 on the Activity and Composition of Proteasomes in Multiple Myeloma Cells. <i>Cancer Research</i> , 2005, 65, 7896-7901.	0.4	130
123	Fungal recognition is mediated by the association of dectin-1 and galectin-3 in macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14270-14275.	3.3	130
124	Chlamydia trachomatis-derived deubiquitinating enzymes in mammalian cells during infection. <i>Molecular Microbiology</i> , 2006, 61, 142-150.	1.2	129
125	Protein quality control in the ER: balancing the ubiquitin checkbook. <i>Trends in Cell Biology</i> , 2012, 22, 22-32.	3.6	127
126	Recent advances in sortase-catalyzed ligation methodology. <i>Current Opinion in Structural Biology</i> , 2016, 38, 111-118.	2.6	127

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127	The Active Site of ICP47, a Herpes Simplex Virus-Encoded Inhibitor of the Major Histocompatibility Complex (MHC)-Encoded Peptide Transporter Associated with Antigen Processing (TAP), Maps to the NH ₂ -terminal 35 Residues. <i>Journal of Experimental Medicine</i> , 1997, 185, 1565-1572.	4.2	125
128	Why certain antibodies cross-react with HLA-A and HLA-G: Epitope mapping of two common MHC class I reagents. This 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.). <i>Molecular Immunology</i> , 1998, 35, 177-188.	1.0	125
129	Behavioral Responses of Epidermal Langerhans Cells In Situ to Local Pathological Stimuli. <i>Journal of Investigative Dermatology</i> , 2006, 126, 787-796.	0.3	124
130	Class II MHC peptide loading by the professionals. <i>Current Opinion in Immunology</i> , 2004, 16, 96-102.	2.4	123
131	Signal peptide peptidase is required for dislocation from the endoplasmic reticulum. <i>Nature</i> , 2006, 441, 894-897.	13.7	123
132	Determinants of GBP Recruitment to <i>Toxoplasma gondii</i> Vacuoles and the Parasitic Factors That Control It. <i>PLoS ONE</i> , 2011, 6, e24434.	1.1	123
133	Dislocation of Type I Membrane Proteins from the ER to the Cytosol Is Sensitive to Changes in Redox Potential. <i>Journal of Cell Biology</i> , 1998, 142, 365-376.	2.3	122
134	A closer look at proteolysis and MHC-class-II-restricted antigen presentation. <i>Current Opinion in Immunology</i> , 2002, 14, 15-21.	2.4	122
135	Loss of Usp14 results in reduced levels of ubiquitin in ataxia mice. <i>Journal of Neurochemistry</i> , 2005, 95, 724-731.	2.1	121
136	Anti-CTLA-4 therapy requires an Fc domain for efficacy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3912-3917.	3.3	121
137	Purification, cDNA-cloning and expression of human diacylglycerol kinase. <i>FEBS Letters</i> , 1990, 275, 151-158.	1.3	120
138	Viral modulation of antigen presentation: manipulation of cellular targets in the ER and beyond. <i>Immunological Reviews</i> , 2005, 207, 126-144.	2.8	120
139	Tubulation of Class II MHC Compartments Is Microtubule Dependent and Involves Multiple Endolysosomal Membrane Proteins in Primary Dendritic Cells. <i>Journal of Immunology</i> , 2007, 178, 7199-7210.	0.4	120
140	Engineered erythrocytes covalently linked to antigenic peptides can protect against autoimmune disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3157-3162.	3.3	120
141	Murine B Cell Response to TLR7 Ligands Depends on an IFN- γ Feedback Loop. <i>Journal of Immunology</i> , 2009, 183, 1569-1576.	0.4	119
142	Preparation of unnatural N-to-N and C-to-C protein fusions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 11993-11998.	3.3	119
143	Varicella-Zoster Virus Retains Major Histocompatibility Complex Class I Proteins in the Golgi Compartment of Infected Cells. <i>Journal of Virology</i> , 2001, 75, 4878-4888.	1.5	118
144	A glycosylated type I membrane protein becomes cytosolic when peptide: N-glycanase is compromised. <i>EMBO Journal</i> , 2004, 23, 650-658.	3.5	118

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145	Polyubiquitination Is Required for US11-dependent Movement of MHC Class I Heavy Chain from Endoplasmic Reticulum into Cytosol. <i>Molecular Biology of the Cell</i> , 2001, 12, 2546-2555.	0.9	116
146	Structure of a Herpesvirus-Encoded Cysteine Protease Reveals a Unique Class of Deubiquitinating Enzymes. <i>Molecular Cell</i> , 2007, 25, 677-687.	4.5	116
147	Noninvasive imaging of tumor progression, metastasis, and fibrosis using a nanobody targeting the extracellular matrix. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14181-14190.	3.3	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. <i>Journal of Biological Chemistry</i> , 2000, 275, 30951-30956.	1.6	111
149	Rapid Turnover of Unspliced Xbp-1 as a Factor That Modulates the Unfolded Protein Response. <i>Journal of Biological Chemistry</i> , 2006, 281, 5852-5860.	1.6	111
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