

JÄrn Dengjel

List of Publications by Year in descending order

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132
papers

11,642
citations

47006

47
h-index

29157

104
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135
all docs

135
docs citations

135
times ranked

21867
citing authors

#	ARTICLE	IF	CITATIONS
1	The complex interplay between ULK1 and protein phosphatases in autophagy regulation. <i>Autophagy</i> , 2022, 18, 455-456.	9.1	5
2	Post-transcriptional regulation of <i>ATG1</i> is a critical node that modulates autophagy during distinct nutrient stresses. <i>Autophagy</i> , 2022, 18, 1694-1714.	9.1	8
3	Fibrin, Bone Marrow Cells and Macrophages Interactively Modulate Cardiomyoblast Fate. <i>Biomedicines</i> , 2022, 10, 527.	3.2	2
4	DRAMing for autophagy. <i>FEBS Journal</i> , 2022, 289, 3731-3734.	4.7	1
5	Vertebrate lonesome kinase modulates the hepatocyte secretome to prevent perivascular liver fibrosis and inflammation. <i>Journal of Cell Science</i> , 2022, , .	2.0	2
6	The HSP40 chaperone Ydj1 drives amyloid beta 42 toxicity. <i>EMBO Molecular Medicine</i> , 2022, 14, e13952.	6.9	16
7	Hexokinase 3 enhances myeloid cell survival via non-glycolytic functions. <i>Cell Death and Disease</i> , 2022, 13, 448.	6.3	22
8	A Dual-Acting Nitric Oxide Donor and Phosphodiesterase 5 Inhibitor Activates Autophagy in Primary Skin Fibroblasts. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6860.	4.1	0
9	Raft-like lipid microdomains drive autophagy initiation via AMBRA1-ERLIN1 molecular association within MAMs. <i>Autophagy</i> , 2021, 17, 2528-2548.	9.1	42
10	Protein complexes and neighborhoods driving autophagy. <i>Autophagy</i> , 2021, 17, 2689-2705.	9.1	21
11	Global kinome profiling reveals DYRK1A as critical activator of the human mitochondrial import machinery. <i>Nature Communications</i> , 2021, 12, 4284.	12.8	15
12	Scaffold-free 3D cell culture of primary skin fibroblasts induces profound changes of the matrisome. <i>Matrix Biology Plus</i> , 2021, 11, 100066.	3.5	19
13	Pro-inflammatory immunity supports fibrosis advancement in epidermolysis bullosa: intervention with Ang(1-7). <i>EMBO Molecular Medicine</i> , 2021, 13, e14392.	6.9	13
14	Downregulation of autophagy by Met30-mediated Atg9 ubiquitination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	10
15	Increased abundance of Cbl E3 ligases alters PDGFR signaling in recessive dystrophic epidermolysis bullosa. <i>Matrix Biology</i> , 2021, 103-104, 58-73.	3.6	1
16	Bacterial lectin BambL acts as a B cell superantigen. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 8165-8186.	5.4	3
17	The transcription factor Spt4-Spt5 complex regulates the expression of <i>ATG8</i> and <i>ATG41</i> . <i>Autophagy</i> , 2020, 16, 1172-1185.	9.1	9
18	Phosphoproteomic profiling reveals a defined genetic program for osteoblastic lineage commitment of human bone marrow-derived stromal stem cells. <i>Genome Research</i> , 2020, 30, 127-137.	5.5	10

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19	EEF1A1 deacetylation enables transcriptional activation of remyelination. <i>Nature Communications</i> , 2020, 11, 3420.	12.8	29
20	Proteomic Profiling of Fibroblasts Isolated from Chronic Wounds Identifies Disease-Relevant Signaling Pathways. <i>Journal of Investigative Dermatology</i> , 2020, 140, 2280-2290.e4.	0.7	14
21	Proteasomal degradation induced by DPP9-mediated processing competes with mitochondrial protein import. <i>EMBO Journal</i> , 2020, 39, e103889.	7.8	24
22	4,4'-Dimethoxychalcone: a natural flavonoid that promotes health through autophagy-dependent and -independent effects. <i>Autophagy</i> , 2019, 15, 1662-1664.	9.1	8
23	Retromer and TBC1D5 maintain late endosomal RAB7 domains to enable amino acid-induced mTORC1 signaling. <i>Journal of Cell Biology</i> , 2019, 218, 3019-3038.	5.2	46
24	Phosphorylation of mitochondrial matrix proteins regulates their selective mitophagic degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20517-20527.	7.1	26
25	Annexin A7 is required for ESCRT III-mediated plasma membrane repair. <i>Scientific Reports</i> , 2019, 9, 6726.	3.3	73
26	Treatment of keratinocytes with 4-phenylbutyrate in epidermolysis bullosa: Lessons for therapies in keratin disorders. <i>EBioMedicine</i> , 2019, 44, 502-515.	6.1	23
27	The flavonoid 4,4'-dimethoxychalcone promotes autophagy-dependent longevity across species. <i>Nature Communications</i> , 2019, 10, 651.	12.8	100
28	Cyclin-dependent kinase 5 (CDK5) regulates the circadian clock. <i>ELife</i> , 2019, 8, .	6.0	30
29	Sorafenib promotes graft-versus-leukemia activity in mice and humans through IL-15 production in FLT3-ITD-mutant leukemia cells. <i>Nature Medicine</i> , 2018, 24, 282-291.	30.7	216
30	Combinatorial Omics Analysis Reveals Perturbed Lysosomal Homeostasis in Collagen VII-deficient Keratinocytes. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 565-579.	3.8	25
31	Impaired lymphoid extracellular matrix impedes antibacterial immunity in epidermolysis bullosa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E705-E714.	7.1	51
32	Control of RAB7 activity and localization through the retromer-TBC1D5 complex enables RAB7-dependent mitophagy. <i>EMBO Journal</i> , 2018, 37, 235-254.	7.8	144
33	Guidelines and recommendations on yeast cell death nomenclature. <i>Microbial Cell</i> , 2018, 5, 4-31.	3.2	158
34	HUWE1 E3 ligase promotes PINK1/PARKIN-independent mitophagy by regulating AMBRA1 activation via IKK β . <i>Nature Communications</i> , 2018, 9, 3755.	12.8	198
35	Beyond Global Charge: Role of Amine Bulkiness and Protein Fingerprint on Nanoparticle-Cell Interaction. <i>Small</i> , 2018, 14, e1802088.	10.0	15
36	Influenza A Virus Induces Autophagosomal Targeting of Ribosomal Proteins. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1909-1921.	3.8	22

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37	Three-Dimensional Cell Culture Conditions Affect the Proteome of Cancer-Associated Fibroblasts. <i>Journal of Proteome Research</i> , 2018, 17, 2780-2789.	3.7	19
38	Cilia-Localized <sc>LKB</sc> 1 regulates chemokine signaling, macrophage recruitment, and tissue homeostasis in the kidney. <i>EMBO Journal</i> , 2018, 37, .	7.8	78
39	Retromer/WASH dependent sorting of nutrient transporters requires a multivalent interaction network with ANKRD50. <i>Journal of Cell Science</i> , 2017, 130, 382-395.	2.0	48
40	Discrete cytosolic macromolecular <sc>BRAF</sc> complexes exhibit distinct activities and composition. <i>EMBO Journal</i> , 2017, 36, 646-663.	7.8	52
41	Dietary spermidine for lowering high blood pressure. <i>Autophagy</i> , 2017, 13, 767-769.	9.1	63
42	Insights into autosomal dominant polycystic kidney disease by quantitative mass spectrometry-based proteomics. <i>Cell and Tissue Research</i> , 2017, 369, 41-51.	2.9	4
43	Hydrophobic Interaction Chromatography for Bottom-Up Proteomics Analysis of Single Proteins and Protein Complexes. <i>Journal of Proteome Research</i> , 2017, 16, 2318-2323.	3.7	4
44	Study of ULK1 Catalytic Activity and Its Regulation. <i>Methods in Enzymology</i> , 2017, 587, 391-404.	1.0	4
45	The Atypical Kinase RIOK1 Promotes Tumor Growth and Invasive Behavior. <i>EBioMedicine</i> , 2017, 20, 79-97.	6.1	55
46	Degradation of protein translation machinery by amino acid starvation-induced macroautophagy. <i>Autophagy</i> , 2017, 13, 1064-1075.	9.1	29
47	The FERM protein EPB41L5 regulates actomyosin contractility and focal adhesion formation to maintain the kidney filtration barrier. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4621-E4630.	7.1	54
48	Cargo-selective SNX-BAR proteins mediate retromer trimer independent retrograde transport. <i>Journal of Cell Biology</i> , 2017, 216, 3677-3693.	5.2	139
49	Protein glutamylation is a yeast-specific posttranslational modification of elongation factor 1A. <i>Journal of Biological Chemistry</i> , 2017, 292, 16014-16023.	3.4	13
50	Roles of mitophagy in cellular physiology and development. <i>Cell and Tissue Research</i> , 2017, 367, 95-109.	2.9	28
51	Methods to Study the BECN1 Interactome in the Course of Autophagic Responses. <i>Methods in Enzymology</i> , 2017, 587, 429-445.	1.0	7
52	Respiratory status determines the effect of emodin on cell viability. <i>Oncotarget</i> , 2017, 8, 37478-37490.	1.8	8
53	Phospho-proteomic analyses of B-Raf protein complexes reveal new regulatory principles. <i>Oncotarget</i> , 2016, 7, 26628-26652.	1.8	25
54	Spermidine Suppresses Age-Associated Memory Impairment by Preventing Adverse Increase of Presynaptic Active Zone Size and Release. <i>PLoS Biology</i> , 2016, 14, e1002563.	5.6	82

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55	RACK1 Is an Interaction Partner of ATG5 and a Novel Regulator of Autophagy. <i>Journal of Biological Chemistry</i> , 2016, 291, 16753-16765.	3.4	48
56	Mitophagy as a stress response in mammalian cells and in respiring <i>S. cerevisiae</i> . <i>Biochemical Society Transactions</i> , 2016, 44, 541-545.	3.4	11
57	<scp>SPATA</scp> 2 promotes <scp>CYLD</scp> activity and regulates <scp>TNF</scp> â€œinduced <scp>NF</scp> â€œB signaling and cell death. <i>EMBO Reports</i> , 2016, 17, 1485-1497.	4.5	101
58	Cardioprotection and lifespan extension by the natural polyamine spermidine. <i>Nature Medicine</i> , 2016, 22, 1428-1438.	30.7	801
59	Inhibition of β -catenin signaling by phenobarbital in hepatoma cells in vitro. <i>Toxicology</i> , 2016, 370, 94-105.	4.2	6
60	The deubiquitinase Usp27x stabilizes the <scp>BH</scp>3â€œonly protein Bim and enhances apoptosis. <i>EMBO Reports</i> , 2016, 17, 724-738.	4.5	40
61	Fast and easy phosphopeptide fractionation by combinatorial ERLIC-SCX solid-phase extraction for in-depth phosphoproteome analysis. <i>Nature Protocols</i> , 2016, 11, 37-45.	12.0	28
62	Single Amino Acid Deletion in Kindlin-1 Results in Partial Protein Degradation Which Can Be Rescued by Chaperone Treatment. <i>Journal of Investigative Dermatology</i> , 2016, 136, 920-929.	0.7	16
63	Assembly of methylated KDM1A and CHD1 drives androgen receptorâ€œdependent transcription and translocation. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 132-139.	8.2	70
64	The balance of Id3 and E47 determines neural stem/precursor cell differentiation into astrocytes. <i>EMBO Journal</i> , 2015, 34, 2804-2819.	7.8	52
65	Losartan ameliorates dystrophic epidermolysis bullosa and uncovers new disease mechanisms. <i>EMBO Molecular Medicine</i> , 2015, 7, 1211-1228.	6.9	145
66	Metadherin exon 11 skipping variant enhances metastatic spread of ovarian cancer. <i>International Journal of Cancer</i> , 2015, 136, 2328-2340.	5.1	13
67	Anks3 interacts with nephronophthisis proteins and is required for normal renal development. <i>Kidney International</i> , 2015, 87, 1191-1200.	5.2	30
68	<i>Cyclin O</i> (<i>Ccn0</i>) functions during deuterosomeâ€œmediated centriole amplification of multiciliated cells. <i>EMBO Journal</i> , 2015, 34, 1078-1089.	7.8	72
69	Expression of a ULK1/2 binding-deficient ATG13 variant can partially restore autophagic activity in ATG13-deficient cells. <i>Autophagy</i> , 2015, 11, 1471-1483.	9.1	61
70	Functional Proteomics Identifies Acinus L as a Direct Insulin- and Amino Acid-Dependent Mammalian Target of Rapamycin Complex 1 (mTORC1) Substrate. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2042-2055.	3.8	18
71	Anks3 alters the sub-cellular localization of the Nek7 kinase. <i>Biochemical and Biophysical Research Communications</i> , 2015, 464, 901-907.	2.1	17
72	The Ca ²⁺ -Dependent Release of the Mia40-Induced MICU1-MICU2 Dimer from MCU Regulates Mitochondrial Ca ²⁺ Uptake. <i>Cell Metabolism</i> , 2015, 22, 721-733.	16.2	154

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73	Kidins220/ARMS binds to the B cell antigen receptor and regulates B cell development and activation. <i>Journal of Experimental Medicine</i> , 2015, 212, 1693-1708.	8.5	18
74	AMBRA1 links autophagy to cell proliferation and tumorigenesis by promoting c-Myc dephosphorylation and degradation. <i>Nature Cell Biology</i> , 2015, 17, 20-30.	10.3	200
75	The Pro-Apoptotic BH3-Only Protein Bim Interacts with Components of the Translocase of the Outer Mitochondrial Membrane (TOM). <i>PLoS ONE</i> , 2015, 10, e0123341.	2.5	24
76	Modeling non-hereditary mechanisms of Alzheimer disease during apoptosis in yeast. <i>Microbial Cell</i> , 2015, 2, 136-138.	3.2	8
77	Phosphorylation Site Dynamics of Early T-cell Receptor Signaling. <i>PLoS ONE</i> , 2014, 9, e104240.	2.5	54
78	A histone point mutation that switches on autophagy. <i>Autophagy</i> , 2014, 10, 1143-1145.	9.1	18
79	Acetyl-coenzyme A. <i>Autophagy</i> , 2014, 10, 1335-1337.	9.1	42
80	Loss of Collagen VII Is Associated with Reduced Transglutaminase 2 Abundance and Activity. <i>Journal of Investigative Dermatology</i> , 2014, 134, 2381-2389.	0.7	41
81	AMBRA1 Interplay with Cullin E3 Ubiquitin Ligases Regulates Autophagy Dynamics. <i>Developmental Cell</i> , 2014, 31, 734-746.	7.0	127
82	The cup of youth. <i>Cell Cycle</i> , 2014, 13, 2021-2021.	2.6	1
83	Macroautophagy Proteins Assist Epstein Barr Virus Production and Get Incorporated Into the Virus Particles. <i>EBioMedicine</i> , 2014, 1, 116-125.	6.1	78
84	Altered MCM Protein Levels and Autophagic Flux in Aged and Systemic Sclerosis Dermal Fibroblasts. <i>Journal of Investigative Dermatology</i> , 2014, 134, 2321-2330.	0.7	51
85	Nucleocytosolic Depletion of the Energy Metabolite Acetyl-Coenzyme A Stimulates Autophagy and Prolongs Lifespan. <i>Cell Metabolism</i> , 2014, 19, 431-444.	16.2	221
86	Musical chairs during mitophagy. <i>Autophagy</i> , 2014, 10, 706-707.	9.1	13
87	Characterization of early autophagy signaling by quantitative phosphoproteomics. <i>Autophagy</i> , 2014, 10, 356-371.	9.1	35
88	The Quantitative Nuclear Matrix Proteome as a Biochemical Snapshot of Nuclear Organization. <i>Journal of Proteome Research</i> , 2014, 13, 3940-3956.	3.7	39
89	Rapid Combinatorial ERLIC SCX Solid-Phase Extraction for In-Depth Phosphoproteome Analysis. <i>Journal of Proteome Research</i> , 2013, 12, 5989-5995.	3.7	28
90	mTOR inhibits autophagy by controlling ULK1 ubiquitylation, self-association and function through AMBRA1 and TRAF6. <i>Nature Cell Biology</i> , 2013, 15, 406-416.	10.3	662

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91	Molecular fingerprinting of the podocyte reveals novel gene and protein regulatory networks. <i>Kidney International</i> , 2013, 83, 1052-1064.	5.2	130
92	Endonuclease G mediates α -synuclein cytotoxicity during Parkinson's disease. <i>EMBO Journal</i> , 2013, 32, 3041-3054.	7.8	71
93	Autophagy proteins stabilize pathogen-containing phagosomes for prolonged MHC II antigen processing. <i>Journal of Cell Biology</i> , 2013, 203, 757-766.	5.2	172
94	Global remodelling of cellular microenvironment due to loss of collagen VII. <i>Molecular Systems Biology</i> , 2013, 9, 657.	7.2	89
95	Consistency of the Proteome in Primary Human Keratinocytes With Respect to Gender, Age, and Skin Localization. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2509-2521.	3.8	32
96	Friend or food. <i>Autophagy</i> , 2012, 8, 995-996.	9.1	4
97	Census of cytosolic aminopeptidase activity reveals two novel cytosolic aminopeptidases. <i>Medical Microbiology and Immunology</i> , 2012, 201, 463-473.	4.8	2
98	The Degradative Inventory of the Cell: Proteomic Insights. <i>Antioxidants and Redox Signaling</i> , 2012, 17, 803-812.	5.4	13
99	Combinatorial Use of Electrostatic Repulsion-Hydrophilic Interaction Chromatography (ERLIC) and Strong Cation Exchange (SCX) Chromatography for In-Depth Phosphoproteome Analysis. <i>Journal of Proteome Research</i> , 2012, 11, 4269-4276.	3.7	32
100	Strategy for Identifying Dendritic Cell-Processed CD4+ T Cell Epitopes from the HIV Gag p24 Protein. <i>PLoS ONE</i> , 2012, 7, e41897.	2.5	7
101	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	9.1	3,122
102	Autophagosomal Protein Dynamics and Influenza Virus Infection. <i>Frontiers in Immunology</i> , 2012, 3, 43.	4.8	29
103	From Bioconjugation to Self-Assembly in Nanobiotechnology: Quantum Dots Trapped and Stabilized by Toroid Protein Yoctowells. <i>Advanced Engineering Materials</i> , 2012, 14, B344.	3.5	9
104	Relevance of the inner mitochondrial membrane enzyme F ₁ F ₀ -ATPase as an autoantigen in autoimmune liver disorders. <i>Liver International</i> , 2012, 32, 249-257.	3.9	7
105	Protein yoctowell nanoarchitectures: assembly of donut shaped protein containers and nanofibres. <i>Soft Matter</i> , 2011, 7, 2875.	2.7	10
106	Comparison of ERLIC-TiO ₂ , HILIC-TiO ₂ , and SCX-TiO ₂ for Global Phosphoproteomics Approaches. <i>Journal of Proteome Research</i> , 2011, 10, 3474-3483.	3.7	83
107	Mass Spectrometry Analysis and Quantitation of Peptides Presented on the MHC II Molecules of Mouse Spleen Dendritic Cells. <i>Journal of Proteome Research</i> , 2011, 10, 5016-5030.	3.7	65
108	Identification of α -tubulin as an autoantigen recognized by sera from patients with neuropsychiatric systemic lupus erythematosus. <i>Brain, Behavior, and Immunity</i> , 2011, 25, 279-285.	4.1	19

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109	ErbB2-associated changes in the lysosomal proteome. <i>Proteomics</i> , 2011, 11, 2830-2838.	2.2	23
110	Quantitative proteomics for the analysis of spatio-temporal protein dynamics during autophagy. <i>Autophagy</i> , 2010, 6, 1009-1016.	9.1	32
111	Comparative quantitation of proteome alterations induced by aging or immortalization in primary human fibroblasts and keratinocytes for clinical applications. <i>Molecular BioSystems</i> , 2010, 6, 1579.	2.9	29
112	Detection of novel non-M2-related antimitochondrial antibodies in patients with anti-M2 negative primary biliary cirrhosis. <i>Gut</i> , 2009, 58, 983-989.	12.1	11
113	Autoimmune T cell responses to antigenic peptides presented by bronchoalveolar lavage cell HLA-DR molecules in sarcoidosis. <i>Clinical Immunology</i> , 2009, 133, 353-363.	3.2	63
114	Matrix Protein 2 of Influenza A Virus Blocks Autophagosome Fusion with Lysosomes. <i>Cell Host and Microbe</i> , 2009, 6, 367-380.	11.0	454
115	Receptor tyrosine kinase signaling: a view from quantitative proteomics. <i>Molecular BioSystems</i> , 2009, 5, 1112.	2.9	56
116	Ordered bulk degradation via autophagy. <i>Autophagy</i> , 2008, 4, 1057-1059.	9.1	32
117	Signal Transduction by Growth Factor Receptors: Signaling in an Instant. <i>Cell Cycle</i> , 2007, 6, 2913-2916.	2.6	9
118	Quantitative proteomic assessment of very early cellular signaling events. <i>Nature Biotechnology</i> , 2007, 25, 566-568.	17.5	110
119	Identification of HLA-DR-bound peptides presented by human bronchoalveolar lavage cells in sarcoidosis. <i>Journal of Clinical Investigation</i> , 2007, 117, 3576-3582.	8.2	112
120	Naturally Presented MHC Ligands Carrying Glycans. <i>Transfusion Medicine and Hemotherapy</i> , 2006, 33, 38-44.	1.6	7
121	Arf1p, Chs5p and the ChAPs are required for export of specialized cargo from the Golgi. <i>EMBO Journal</i> , 2006, 25, 943-954.	7.8	82
122	Autophagy in innate and adaptive immunity against intracellular pathogens. <i>Journal of Molecular Medicine</i> , 2006, 84, 194-202.	3.9	113
123	Unexpected Abundance of HLA Class II Presented Peptides in Primary Renal Cell Carcinomas. <i>Clinical Cancer Research</i> , 2006, 12, 4163-4170.	7.0	64
124	Glycan side chains on naturally presented MHC class II ligands. <i>Journal of Mass Spectrometry</i> , 2005, 40, 100-104.	1.6	40
125	Peptide motif for the rat MHC class II molecule RT1.Da: similarities to the multiple sclerosis-associated HLA-DRB1*1501 molecule. <i>Immunogenetics</i> , 2005, 57, 69-76.	2.4	10
126	Lessons to be learned from primary renal cell carcinomas: novel tumor antigens and HLA ligands for immunotherapy. <i>Cancer Immunology, Immunotherapy</i> , 2005, 54, 826-836.	4.2	65

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127	Staphylococcus aureus Deficient in Lipidation of Prelipoproteins Is Attenuated in Growth and Immune Activation. <i>Infection and Immunity</i> , 2005, 73, 2411-2423.	2.2	195
128	Autophagy promotes MHC class II presentation of peptides from intracellular source proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 7922-7927.	7.1	573
129	Analysis of polymorphic sites in the promoter of the nitric oxide synthase 2 gene. <i>Biochemical and Biophysical Research Communications</i> , 2005, 335, 1123-1131.	2.1	13
130	Quantitative Analysis of Prion-Protein Degradation by Constitutive and Immuno-20S Proteasomes Indicates Differences Correlated with Disease Susceptibility. <i>Journal of Immunology</i> , 2004, 172, 1083-1091.	0.8	66
131	Differential quantitative analysis of MHC ligands by mass spectrometry using stable isotope labeling. <i>Nature Biotechnology</i> , 2004, 22, 450-454.	17.5	82
132	Identification of a naturally processed cyclin D1 T-helper epitope by a novel combination of HLA class II targeting and differential mass spectrometry. <i>European Journal of Immunology</i> , 2004, 34, 3644-3651.	2.9	24