

Benedikt M. Kessler

List of Publications by Year in descending order

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343
papers

28,691
citations

5261

83
h-index

7511

151
g-index

399
all docs

399
docs citations

399
times ranked

43979
citing authors

#	ARTICLE	IF	CITATIONS
1	Calorie Restriction Promotes Mammalian Cell Survival by Inducing the SIRT1 Deacetylase. <i>Science</i> , 2004, 305, 390-392.	6.0	1,784
2	Itaconate is an anti-inflammatory metabolite that activates Nrf2 via alkylation of KEAP1. <i>Nature</i> , 2018, 556, 113-117.	13.7	1,115
3	Broad and strong memory CD4+ and CD8+ T cells induced by SARS-CoV-2 in UK convalescent individuals following COVID-19. <i>Nature Immunology</i> , 2020, 21, 1336-1345.	7.0	1,066
4	Variant PRC1 Complex-Dependent H2A Ubiquitylation Drives PRC2 Recruitment and Polycomb Domain Formation. <i>Cell</i> , 2014, 157, 1445-1459.	13.5	613
5	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
6	Chemistry-Based Functional Proteomics Reveals Novel Members of the Deubiquitinating Enzyme Family. <i>Chemistry and Biology</i> , 2002, 9, 1149-1159.	6.2	533
7	Renal Cyst Formation in Fh1-Deficient Mice Is Independent of the Hif/Phd Pathway: Roles for Fumarate in KEAP1 Succination and Nrf2 Signaling. <i>Cancer Cell</i> , 2011, 20, 524-537.	7.7	494
8	A Small Molecule Inhibitor of Ubiquitin-Specific Protease-7 Induces Apoptosis in Multiple Myeloma Cells and Overcomes Bortezomib Resistance. <i>Cancer Cell</i> , 2012, 22, 345-358.	7.7	491
9	Colonic epithelial cell diversity in health and inflammatory bowel disease. <i>Nature</i> , 2019, 567, 49-55.	13.7	486
10	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
11	KDM2B links the Polycomb Repressive Complex 1 (PRC1) to recognition of CpG islands. <i>ELife</i> , 2012, 1, e00205.	2.8	414
12	Arginine methylation regulates the p53 response. <i>Nature Cell Biology</i> , 2008, 10, 1431-1439.	4.6	405
13	Jmjd6 Catalyses Lysyl-Hydroxylation of U2AF65, a Protein Associated with RNA Splicing. <i>Science</i> , 2009, 325, 90-93.	6.0	356
14	Activity-Based Chemical Proteomics Accelerates Inhibitor Development for Deubiquitylating Enzymes. <i>Chemistry and Biology</i> , 2011, 18, 1401-1412.	6.2	348
15	New mechanism for Notch signaling to endothelium at a distance by Delta-like 4 incorporation into exosomes. <i>Blood</i> , 2010, 116, 2385-2394.	0.6	344
16	Loss of autophagy in erythroid cells leads to defective removal of mitochondria and severe anemia in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 832-837.	3.3	332
17	Molecular basis of USP7 inhibition by selective small-molecule inhibitors. <i>Nature</i> , 2017, 550, 481-486.	13.7	332
18	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

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19	Ancient proteins resolve the evolutionary history of Darwin's South American ungulates. <i>Nature</i> , 2015, 522, 81-84.	13.7	273
20	Palaeoproteomic evidence identifies archaic hominins associated with the Châtelperronian at the Grotte du Renne. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11162-11167.	3.3	251
21	Posttranslational mutagenesis: A chemical strategy for exploring protein side-chain diversity. <i>Science</i> , 2016, 354, .	6.0	247
22	Activity probe for in vivo profiling of the specificity of proteasome inhibitor bortezomib. <i>Nature Methods</i> , 2005, 2, 357-362.	9.0	230
23	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
24	Aberrant succination of proteins in fumarate hydratase-deficient mice and HLRCC patients is a robust biomarker of mutation status. <i>Journal of Pathology</i> , 2011, 225, 4-11.	2.1	225
25	53BP1 cooperation with the REV7 shieldin complex underpins DNA structure-specific NHEJ. <i>Nature</i> , 2018, 560, 122-127.	13.7	222
26	Crystal structures of the endoplasmic reticulum aminopeptidase-1 (ERAP1) reveal the molecular basis for N-terminal peptide trimming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7745-7750.	3.3	216
27	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
28	Identification of the target self-antigens in reperfusion injury. <i>Journal of Experimental Medicine</i> , 2006, 203, 141-152.	4.2	210
29	Tsc1 (hamartin) confers neuroprotection against ischemia by inducing autophagy. <i>Nature Medicine</i> , 2013, 19, 351-357.	15.2	196
30	Metalloprotease SPRTN/DVC1 Orchestrates Replication-Coupled DNA-Protein Crosslink Repair. <i>Molecular Cell</i> , 2016, 64, 704-719.	4.5	193
31	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
32	Loss of the Tumor Suppressor CYLD Enhances Wnt/ β -Catenin Signaling through K63-Linked Ubiquitination of Dvl. <i>Molecular Cell</i> , 2010, 37, 607-619.	4.5	191
33	Asparaginyl Hydroxylation of the Notch Ankyrin Repeat Domain by Factor Inhibiting Hypoxia-inducible Factor. <i>Journal of Biological Chemistry</i> , 2007, 282, 24027-24038.	1.6	189
34	Muscle Wasting in Aged, Sarcopenic Rats Is Associated with Enhanced Activity of the Ubiquitin Proteasome Pathway. <i>Journal of Biological Chemistry</i> , 2010, 285, 39597-39608.	1.6	188
35	Adiponectin as a Link Between Type 2 Diabetes and Vascular NADPH Oxidase Activity in the Human Arterial Wall: The Regulatory Role of Perivascular Adipose Tissue. <i>Diabetes</i> , 2015, 64, 2207-2219.	0.3	187
36	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

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37	Structural basis and specificity of human otubain 1-mediated deubiquitination. <i>Biochemical Journal</i> , 2009, 418, 379-390.	1.7	180
38	Arginine methylation controls growth regulation by E2F-1. <i>EMBO Journal</i> , 2012, 31, 1785-1797.	3.5	178
39	Protein sequences bound to mineral surfaces persist into deep time. <i>ELife</i> , 2016, 5, .	2.8	176
40	Activation of the lectin DC-SIGN induces an immature dendritic cell phenotype triggering Rho-GTPase activity required for HIV-1 replication. <i>Nature Immunology</i> , 2007, 8, 569-577.	7.0	173
41	QuaNCAT: quantitating proteome dynamics in primary cells. <i>Nature Methods</i> , 2013, 10, 343-346.	9.0	162
42	Chemistry in Living Cells: Detection of Active Proteasomes by a Two-Step Labeling Strategy. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3626-3629.	7.2	158
43	Extended peptide-based inhibitors efficiently target the proteasome and reveal overlapping specificities of the catalytic β^2 -subunits. <i>Chemistry and Biology</i> , 2001, 8, 913-929.	6.2	149
44	Nitric Oxide Modulates Metabolic Remodeling in Inflammatory Macrophages through TCA Cycle Regulation and Itaconate Accumulation. <i>Cell Reports</i> , 2019, 28, 218-230.e7.	2.9	149
45	Differential Sensitivity of Hypoxia Inducible Factor Hydroxylation Sites to Hypoxia and Hydroxylase Inhibitors. <i>Journal of Biological Chemistry</i> , 2011, 286, 13041-13051.	1.6	148
46	Novel MMP-9 Substrates in Cancer Cells Revealed by a Label-free Quantitative Proteomics Approach. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 2215-2228.	2.5	147
47	ATM-Dependent Downregulation of USP7/HAUSP by PPM1G Activates p53 Response to DNA Damage. <i>Molecular Cell</i> , 2012, 45, 801-813.	4.5	145
48	Salt-Inducible Kinase 2 Couples Ovarian Cancer Cell Metabolism with Survival at the Adipocyte-Rich Metastatic Niche. <i>Cancer Cell</i> , 2016, 30, 273-289.	7.7	143
49	Activation of the Lectin Pathway by Natural IgM in a Model of Ischemia/Reperfusion Injury. <i>Journal of Immunology</i> , 2006, 177, 4727-4734.	0.4	139
50	Identification of Proteins Associated with Murine Cytomegalovirus Virions. <i>Journal of Virology</i> , 2004, 78, 11187-11197.	1.5	138
51	Inhibition of Mitochondrial Aconitase by Succination in Fumarate Hydratase Deficiency. <i>Cell Reports</i> , 2013, 3, 689-700.	2.9	137
52	Restoring p53 Function in Human Melanoma Cells by Inhibiting MDM2 and Cyclin B1/CDK1-Phosphorylated Nuclear iASPP. <i>Cancer Cell</i> , 2013, 23, 618-633.	7.7	136
53	Oxygenase-catalyzed ribosome hydroxylation occurs in prokaryotes and humans. <i>Nature Chemical Biology</i> , 2012, 8, 960-962.	3.9	135
54	Control of cross-presentation during dendritic cell maturation. <i>European Journal of Immunology</i> , 2004, 34, 398-407.	1.6	134

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55	Colorectal cancer liver metastatic growth depends on PAD4-driven citrullination of the extracellular matrix. <i>Nature Communications</i> , 2018, 9, 4783.	5.8	134
56	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
57	SPATA2 Links CYLD to LUBAC, Activates CYLD, and Controls LUBAC Signaling. <i>Molecular Cell</i> , 2016, 63, 990-1005.	4.5	130
58	Autophagy limits proliferation and glycolytic metabolism in acute myeloid leukemia. <i>Cell Death Discovery</i> , 2015, 1, .	2.0	125
59	Proteomics-based Identification of Novel Factor Inhibiting Hypoxia-inducible Factor (FIH) Substrates Indicates Widespread Asparaginyl Hydroxylation of Ankyrin Repeat Domain-containing Proteins. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 535-546.	2.5	123
60	Comparative evaluation of label-free SINQ normalized spectral index quantitation in the central proteomics facilities pipeline. <i>Proteomics</i> , 2011, 11, 2790-2797.	1.3	120
61	The FIH hydroxylase is a cellular peroxide sensor that modulates HIF transcriptional activity. <i>EMBO Reports</i> , 2012, 13, 251-257.	2.0	120
62	Ubiquitin ligase ARF-BP1/Mule modulates base excision repair. <i>EMBO Journal</i> , 2009, 28, 3207-3215.	3.5	119
63	Arginine Methylation-Dependent Reader-Writer Interplay Governs Growth Control by E2F-1. <i>Molecular Cell</i> , 2013, 52, 37-51.	4.5	119
64	DNA Modification under Mild Conditions by Suzuki-Miyaura Cross-Coupling for the Generation of Functional Probes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10553-10558.	7.2	117
65	Recognition of Phosphodegron Motifs in Human Cyclin E by the SCFFbw7 Ubiquitin Ligase. <i>Journal of Biological Chemistry</i> , 2004, 279, 50110-50119.	1.6	116
66	Hydroxylation of the eukaryotic ribosomal decoding center affects translational accuracy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4019-4024.	3.3	111
67	Identification of distinct circulating exosomes in Parkinson's disease. <i>Annals of Clinical and Translational Neurology</i> , 2015, 2, 353-361.	1.7	111
68	RYBP stimulates PRC1 to shape chromatin-based communication between Polycomb repressive complexes. <i>ELife</i> , 2016, 5, .	2.8	111
69	Integration of the ubiquitin-proteasome pathway with a cytosolic oligopeptidase activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 9990-9995.	3.3	108
70	Cerebrospinal fluid macrophage biomarkers in amyotrophic lateral sclerosis. <i>Annals of Neurology</i> , 2018, 83, 258-268.	2.8	107
71	OGFOD1 catalyzes prolyl hydroxylation of RPS23 and is involved in translation control and stress granule formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 4031-4036.	3.3	105
72	Gel-aided sample preparation (GASP) – A simplified method for gel-assisted proteomic sample generation from protein extracts and intact cells. <i>Proteomics</i> , 2015, 15, 1224-1229.	1.3	104

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73	Deubiquitinating Enzyme Specificity for Ubiquitin Chain Topology Profiled by Di-Ubiquitin Activity Probes. <i>Chemistry and Biology</i> , 2013, 20, 1447-1455.	6.2	103
74	USP47 Is a Deubiquitylating Enzyme that Regulates Base Excision Repair by Controlling Steady-State Levels of DNA Polymerase β . <i>Molecular Cell</i> , 2011, 41, 609-615.	4.5	102
75	Expression of citrulline and homocitrulline residues in the lungs of non-smokers and smokers: implications for autoimmunity in rheumatoid arthritis. <i>Arthritis Research and Therapy</i> , 2015, 17, 9.	1.6	102
76	Bioorthogonal organic chemistry in living cells: novel strategies for labeling biomolecules. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 20.	1.5	99
77	Optimal Translational Termination Requires C4 Lysyl Hydroxylation of eRF1. <i>Molecular Cell</i> , 2014, 53, 645-654.	4.5	99
78	Deubiquitinase Usp8 regulates α -synuclein clearance and modifies its toxicity in Lewy body disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4688-97.	3.3	99
79	PCGF6-PRC1 suppresses premature differentiation of mouse embryonic stem cells by regulating germ cell-related genes. <i>ELife</i> , 2017, 6, .	2.8	99
80	Supramolecular attack particles are autonomous killing entities released from cytotoxic T cells. <i>Science</i> , 2020, 368, 897-901.	6.0	98
81	MDC1 Interacts with TOPBP1 to Maintain Chromosomal Stability during Mitosis. <i>Molecular Cell</i> , 2019, 74, 571-583.e8.	4.5	97
82	CPFP: a central proteomics facilities pipeline. <i>Bioinformatics</i> , 2010, 26, 1131-1132.	1.8	96
83	Gene expression analysis of B-lymphoma cells resistant and sensitive to bortezomib*. <i>British Journal of Haematology</i> , 2006, 134, 145-156.	1.2	94
84	Discovery of Candidate Serum Proteomic and Metabolomic Biomarkers in Ankylosing Spondylitis. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M111.013904.	2.5	92
85	Expanding Proteome Coverage with CHarge Ordered Parallel Ion aNalysis (CHOPIN) Combined with Broad Specificity Proteolysis. <i>Journal of Proteome Research</i> , 2017, 16, 1288-1299.	1.8	92
86	Development and validation of response markers to predict survival and pleurodesis success in patients with malignant pleural effusion (PROMISE): a multicohort analysis. <i>Lancet Oncology</i> , The, 2018, 19, 930-939.	5.1	92
87	Pharmacological targets in the ubiquitin system offer new ways of treating cancer, neurodegenerative disorders and infectious diseases. <i>Expert Reviews in Molecular Medicine</i> , 2011, 13, e35.	1.6	91
88	Interplay between lysine methylation and Cdk phosphorylation in growth control by the retinoblastoma protein. <i>EMBO Journal</i> , 2011, 30, 317-327.	3.5	91
89	A broad screen for targets of immune complexes decorating arthritic joints highlights deposition of nucleosomes in rheumatoid arthritis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15867-15872.	3.3	88
90	High-temperature stability of suspended single-layer graphene. <i>Physica Status Solidi - Rapid Research Letters</i> , 2010, 4, 302-304.	1.2	86

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91	Matrix Metalloproteinase-9 Regulates Tumor Cell Invasion through Cleavage of Protease Nexin-1. <i>Cancer Research</i> , 2010, 70, 6988-6998.	0.4	84
92	Functional analysis of AEBP2, a PRC2 Polycomb protein, reveals a Trithorax phenotype in embryonic development and in ES cells. <i>Development (Cambridge)</i> , 2016, 143, 2716-23.	1.2	84
93	Altered ISGylation drives aberrant macrophage-dependent immune responses during SARS-CoV-2 infection. <i>Nature Immunology</i> , 2021, 22, 1416-1427.	7.0	84
94	Small-Molecule Inhibitors and Probes for Ubiquitin- and Ubiquitin-Like-Specific Proteases. <i>ChemBioChem</i> , 2005, 6, 287-291.	1.3	82
95	Capturing the dynamics of genome replication on individual ultra-long nanopore sequence reads. <i>Nature Methods</i> , 2019, 16, 429-436.	9.0	82
96	Elevation of Intact and Proteolytic Fragments of Acute Phase Proteins Constitutes the Earliest Systemic Antiviral Response in HIV-1 Infection. <i>PLoS Pathogens</i> , 2010, 6, e1000893.	2.1	80
97	Loss of Aire-dependent thymic expression of a peripheral tissue antigen renders it a target of autoimmunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4583-4587.	3.3	79
98	CDA directs metabolism of epigenetic nucleosides revealing a therapeutic window in cancer. <i>Nature</i> , 2015, 524, 114-118.	13.7	79
99	Ubiquitomics: An Overview and Future. <i>Biomolecules</i> , 2020, 10, 1453.	1.8	79
100	Detection of Multiple Autoantibodies in Patients with Ankylosing Spondylitis Using Nucleic Acid Programmable Protein Arrays. <i>Molecular and Cellular Proteomics</i> , 2012, 11, M9.00384.	2.5	77
101	Processing of Human Toll-like Receptor 7 by Furin-like Proprotein Convertases Is Required for Its Accumulation and Activity in Endosomes. <i>Immunity</i> , 2013, 39, 711-721.	6.6	77
102	Chemistry-Based Functional Proteomics: A Mechanism-Based Activity-Profiling Tools for Ubiquitin and Ubiquitin-like Specific Proteases. <i>Journal of Proteome Research</i> , 2004, 3, 268-276.	1.8	76
103	Protein arginine methylation: a prominent modification and its demethylation. <i>Cellular and Molecular Life Sciences</i> , 2017, 74, 3305-3315.	2.4	76
104	Divergent allocation of sperm and the seminal proteome along a competition gradient in <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17925-17933.	3.3	76
105	Iron load and redox stress in skeletal muscle of aged rats. <i>Muscle and Nerve</i> , 2007, 36, 223-233.	1.0	73
106	The ER membrane protein complex (EMC) promotes biogenesis of sterol-related enzymes maintaining cholesterol homeostasis. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	73
107	Hypoxia induces a lipogenic cancer cell phenotype via HIF1 α -dependent and -independent pathways. <i>Oncotarget</i> , 2015, 6, 1920-1941.	0.8	72
108	USP30 sets a trigger threshold for PINK1/PARKIN amplification of mitochondrial ubiquitylation. <i>Life Science Alliance</i> , 2020, 3, e202000768.	1.3	72

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109	Critical Role of Endoplasmic Reticulum Aminopeptidase 1 in Determining the Length and Sequence of Peptides Bound and Presented by HLA“B27. <i>Arthritis and Rheumatology</i> , 2014, 66, 284-294.	2.9	71
110	DNA-PKcs and PARP1 Bind to Unresected Stalled DNA Replication Forks Where They Recruit XRCC1 to Mediate Repair. <i>Cancer Research</i> , 2016, 76, 1078-1088.	0.4	71
111	Ultra-fast tandem mass spectrometry scanning combined with monolithic column liquid chromatography increases throughput in proteomic analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2074-2080.	0.7	70
112	DUBbing Cancer: Deubiquitylating Enzymes Involved in Epigenetics, DNA Damage and the Cell Cycle As Therapeutic Targets. <i>Frontiers in Genetics</i> , 2016, 7, 133.	1.1	70
113	Comparison of CID versus ETD based MS/MS fragmentation for the analysis of protein ubiquitination. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 1652-1659.	1.2	69
114	PTMs in Conversation: Activity and Function of Deubiquitinating Enzymes Regulated via Post-Translational Modifications. <i>Cell Biochemistry and Biophysics</i> , 2011, 60, 21-38.	0.9	69
115	Factor“inhibiting hypoxia“inducible factor (FIH) catalyses the post“translational hydroxylation of histidinyl residues within ankyrin repeat domains. <i>FEBS Journal</i> , 2011, 278, 1086-1097.	2.2	68
116	Crystal Structure of HslUV Complexed with a Vinyl Sulfone Inhibitor: Corroboration of a Proposed Mechanism of Allosteric Activation of HslV by HslU. <i>Journal of Molecular Biology</i> , 2002, 318, 779-785.	2.0	67
117	USP4 Auto-Deubiquitylation Promotes Homologous Recombination. <i>Molecular Cell</i> , 2015, 60, 362-373.	4.5	67
118	Quantitative Proteomics Identification of Seminal Fluid Proteins in Male <i>Drosophila melanogaster</i> . <i>Molecular and Cellular Proteomics</i> , 2019, 18, S46-S58.	2.5	66
119	Post“translational modification of the deubiquitinating enzyme otubain“1 modulates active RhoA levels and susceptibility to <i>Yersinia</i> invasion. <i>FEBS Journal</i> , 2010, 277, 2515-2530.	2.2	65
120	Citrullination-acetylation interplay guides E2F-1 activity during the inflammatory response. <i>Science Advances</i> , 2016, 2, e1501257.	4.7	64
121	TEX264 coordinates p97- and SPRTN-mediated resolution of topoisomerase 1-DNA adducts. <i>Nature Communications</i> , 2020, 11, 1274.	5.8	64
122	Asparagine and Aspartate Hydroxylation of the Cytoskeletal Ankyrin Family Is Catalyzed by Factor-inhibiting Hypoxia-inducible Factor. <i>Journal of Biological Chemistry</i> , 2011, 286, 7648-7660.	1.6	63
123	Ankylosing spondylitis monocytes show upregulation of proteins involved in inflammation and the ubiquitin proteasome pathway. <i>Annals of the Rheumatic Diseases</i> , 2009, 68, 1626-1632.	0.5	62
124	Proteomic Analysis of Human Adipose Tissue After Rosiglitazone Treatment Shows Coordinated Changes to Promote Glucose Uptake. <i>Obesity</i> , 2010, 18, 27-34.	1.5	61
125	Jumonji domain containing protein 6 (Jmjd6) modulates splicing and specifically interacts with arginine“serine-rich (RS) domains of SR- and SR-like proteins. <i>Nucleic Acids Research</i> , 2014, 42, 7833-7850.	6.5	61
126	Interaction mapping of endoplasmic reticulum ubiquitin ligases identifies modulators of innate immune signalling. <i>ELife</i> , 2020, 9, .	2.8	61

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127	Ubiquitin and ubiquitin-like specific proteases targeted by infectious pathogens: Emerging patterns and molecular principles. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2008, 1782, 809-816.	1.8	60
128	The SOCS2 Ubiquitin Ligase Complex Regulates Growth Hormone Receptor Levels. <i>PLoS ONE</i> , 2011, 6, e25358.	1.1	60
129	Identification of an immunodominant peptide from citrullinated tenascin-C as a major target for autoantibodies in rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 1876-1883.	0.5	58
130	USP32 regulates late endosomal transport and recycling through deubiquitylation of Rab7. <i>Nature Communications</i> , 2019, 10, 1454.	5.8	58
131	Interaction of Hydroxylated Collagen IV with the von Hippel-Lindau Tumor Suppressor. <i>Journal of Biological Chemistry</i> , 2007, 282, 13264-13269.	1.6	57
132	Defining the HLA class II-associated viral antigen repertoire from HIV-1-infected human cells. <i>European Journal of Immunology</i> , 2016, 46, 60-69.	1.6	57
133	Fumarate Hydratase Deletion in Pancreatic Î² Cells Leads to Progressive Diabetes. <i>Cell Reports</i> , 2017, 20, 3135-3148.	2.9	57
134	Composition and structure of synaptic ectosomes exporting antigen receptor linked to functional CD40 ligand from helper T cells. <i>ELife</i> , 2019, 8, .	2.8	57
135	Small-Molecule-Based Inhibition of Histone Demethylation in Cells Assessed by Quantitative Mass Spectrometry. <i>Journal of Proteome Research</i> , 2010, 9, 4082-4092.	1.8	56
136	E3 Ligases Determine Ubiquitination Site and Conjugate Type by Enforcing Specificity on E2 Enzymes. <i>Journal of Biological Chemistry</i> , 2011, 286, 44104-44115.	1.6	55
137	Studies on the Reaction of Nitric Oxide with the Hypoxia-Inducible Factor Prolyl Hydroxylase Domain 2 (EGLN1). <i>Journal of Molecular Biology</i> , 2011, 410, 268-279.	2.0	54
138	Mapping protein interactions of sodium channel Na _v 1.7 using epitope-tagged gene-targeted mice. <i>EMBO Journal</i> , 2018, 37, 427-445.	3.5	54
139	Ubiquitin ligase UBR3 regulates cellular levels of the essential DNA repair protein APE1 and is required for genome stability. <i>Nucleic Acids Research</i> , 2012, 40, 701-711.	6.5	53
140	Complete primary structure of chicken collagen XIV. <i>FEBS Journal</i> , 1993, 212, 483-490.	0.2	52
141	OTUB1 de-ubiquitinating enzyme promotes prostate cancer cell invasion in vitro and tumorigenesis in vivo. <i>Molecular Cancer</i> , 2015, 14, 8.	7.9	52
142	Optimizing 2D gas chromatography mass spectrometry for robust tissue, serum and urine metabolite profiling. <i>Talanta</i> , 2017, 165, 685-691.	2.9	52
143	Effects of Epitope Modification on T Cell Receptor Ligand Binding and Antigen Recognition by Seven H-2Kd-restricted Cytotoxic T Lymphocyte Clones Specific for a Photoreactive Peptide Derivative. <i>Journal of Experimental Medicine</i> , 1997, 185, 629-640.	4.2	51
144	Discovery and Validation of Biomarkers to Guide Clinical Management of Pneumonia in African Children. <i>Clinical Infectious Diseases</i> , 2014, 58, 1707-1715.	2.9	50

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145	<scp>SCF</scp> (Fbxl17) ubiquitylation of Sufu regulates Hedgehog signaling and medulloblastoma development. <i>EMBO Journal</i> , 2016, 35, 1400-1416.	3.5	50
146	Mitochondrial proteome analysis reveals altered expression of voltage dependent anion channels in pancreatic β -cells exposed to high glucose. <i>Islets</i> , 2010, 2, 283-292.	0.9	49
147	A novel role for endothelial tetrahydrobiopterin in mitochondrial redox balance. <i>Free Radical Biology and Medicine</i> , 2017, 104, 214-225.	1.3	49
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