

Benedikt M. Kessler

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339
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399
ext. papers

25,987
ext. citations

9.5
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6.52
L-index

#	Paper	IF	Citations
339	Calorie restriction promotes mammalian cell survival by inducing the SIRT1 deacetylase. <i>Science</i> , 2004 , 305, 390-2	33.3	1610
338	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	19.1	615
337	Itaconate is an anti-inflammatory metabolite that activates Nrf2 via alkylation of KEAP1. <i>Nature</i> , 2018 , 556, 113-117	50.4	609
336	Acetylation of the C terminus of Ku70 by CBP and PCAF controls Bax-mediated apoptosis. <i>Molecular Cell</i> , 2004 , 13, 627-38	17.6	503
335	Variant PRC1 complex-dependent H2A ubiquitylation drives PRC2 recruitment and polycomb domain formation. <i>Cell</i> , 2014 , 157, 1445-1459	56.2	477
334	Chemistry-based functional proteomics reveals novel members of the deubiquitinating enzyme family. <i>Chemistry and Biology</i> , 2002 , 9, 1149-59		443
333	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, 524-37	24.3	426
332	A novel active site-directed probe specific for deubiquitylating enzymes reveals proteasome association of USP14. <i>EMBO Journal</i> , 2001 , 20, 5187-96	13	408
331	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, 345-58	24.3	393
330	Arginine methylation regulates the p53 response. <i>Nature Cell Biology</i> , 2008 , 10, 1431-9	23.4	338
329	KDM2B links the Polycomb Repressive Complex 1 (PRC1) to recognition of CpG islands. <i>ELife</i> , 2012 , 1, e00205	8.9	318
328	Jmjd6 catalyses lysyl-hydroxylation of U2AF65, a protein associated with RNA splicing. <i>Science</i> , 2009 , 325, 90-3	33.3	310
327	New mechanism for Notch signaling to endothelium at a distance by Delta-like 4 incorporation into exosomes. <i>Blood</i> , 2010 , 116, 2385-94	2.2	305
326	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, 832-7	11.5	285
325	Activity-based chemical proteomics accelerates inhibitor development for deubiquitylating enzymes. <i>Chemistry and Biology</i> , 2011 , 18, 1401-12		269
324	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, 7883-8	11.5	265
323	Colonic epithelial cell diversity in health and inflammatory bowel disease. <i>Nature</i> , 2019 , 567, 49-55	50.4	213

322	Molecular basis of USP7 inhibition by selective small-molecule inhibitors. <i>Nature</i> , 2017 , 550, 481-486	50.4	211
321	Ancient proteins resolve the evolutionary history of Darwin's South American ungulates. <i>Nature</i> , 2015 , 522, 81-4	50.4	210
320	Activity probe for in vivo profiling of the specificity of proteasome inhibitor bortezomib. <i>Nature Methods</i> , 2005 , 2, 357-62	21.6	200
319	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, 547-57	17.6	199
318	Identification of the target self-antigens in reperfusion injury. <i>Journal of Experimental Medicine</i> , 2006 , 203, 141-52	16.6	194
317	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, 51841-50	5.4	185
316	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	9.4	184
315	Posttranslational mutagenesis: A chemical strategy for exploring protein side-chain diversity. <i>Science</i> , 2016 , 354,	33.3	182
314	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, 7745-50	11.5	181
313	Palaeoproteomic evidence identifies archaic hominins associated with the Chellean at the Grotte du Renne. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 11162-11167	11.5	172
312	Tsc1 (hamartin) confers neuroprotection against ischemia by inducing autophagy. <i>Nature Medicine</i> , 2013 , 19, 351-7	50.5	169
311	Specific and covalent targeting of conjugating and deconjugating enzymes of ubiquitin-like proteins. <i>Molecular and Cellular Biology</i> , 2004 , 24, 84-95	4.8	168
310	Asparaginyl hydroxylation of the Notch ankyrin repeat domain by factor inhibiting hypoxia-inducible factor. <i>Journal of Biological Chemistry</i> , 2007 , 282, 24027-38	5.4	167
309	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, 2253-8	11.5	163
308	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, 569-77	19.1	161
307	Muscle wasting in aged, sarcopenic rats is associated with enhanced activity of the ubiquitin proteasome pathway. <i>Journal of Biological Chemistry</i> , 2010 , 285, 39597-608	5.4	156
306	Loss of the tumor suppressor CYLD enhances Wnt/beta-catenin signaling through K63-linked ubiquitination of Dvl. <i>Molecular Cell</i> , 2010 , 37, 607-19	17.6	156
305	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, 2207-19	0.9	149

304	53BP1 cooperation with the REV7-shieldin complex underpins DNA structure-specific NHEJ. <i>Nature</i> , 2018 , 560, 122-127	50.4	148
303	Arginine methylation controls growth regulation by E2F-1. <i>EMBO Journal</i> , 2012 , 31, 1785-97	13	144
302	Structural basis and specificity of human otubain 1-mediated deubiquitination. <i>Biochemical Journal</i> , 2009 , 418, 379-90	3.8	140
301	Chemistry in living cells: detection of active proteasomes by a two-step labeling strategy. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 3626-9	16.4	139
300	Extended peptide-based inhibitors efficiently target the proteasome and reveal overlapping specificities of the catalytic beta-subunits. <i>Chemistry and Biology</i> , 2001 , 8, 913-29		136
299	Metalloprotease SPRTN/DVC1 Orchestrates Replication-Coupled DNA-Protein Crosslink Repair. <i>Molecular Cell</i> , 2016 , 64, 704-719	17.6	133
298	Novel MMP-9 substrates in cancer cells revealed by a label-free quantitative proteomics approach. <i>Molecular and Cellular Proteomics</i> , 2008 , 7, 2215-28	7.6	133
297	Differential sensitivity of hypoxia inducible factor hydroxylation sites to hypoxia and hydroxylase inhibitors. <i>Journal of Biological Chemistry</i> , 2011 , 286, 13041-51	5.4	128
296	Identification of proteins associated with murine cytomegalovirus virions. <i>Journal of Virology</i> , 2004 , 78, 11187-97	6.6	121
295	Control of cross-presentation during dendritic cell maturation. <i>European Journal of Immunology</i> , 2004 , 34, 398-407	6.1	121
294	Activation of the lectin pathway by natural IgM in a model of ischemia/reperfusion injury. <i>Journal of Immunology</i> , 2006 , 177, 4727-34	5.3	120
293	Effects of PS-341 on the activity and composition of proteasomes in multiple myeloma cells. <i>Cancer Research</i> , 2005 , 65, 7896-901	10.1	120
292	Protein sequences bound to mineral surfaces persist into deep time. <i>ELife</i> , 2016 , 5,	8.9	118
291	QuaNCAT: quantitating proteome dynamics in primary cells. <i>Nature Methods</i> , 2013 , 10, 343-6	21.6	117
290	ATM-dependent downregulation of USP7/HAUSP by PPM1G activates p53 response to DNA damage. <i>Molecular Cell</i> , 2012 , 45, 801-13	17.6	112
289	Oxygenase-catalyzed ribosome hydroxylation occurs in prokaryotes and humans. <i>Nature Chemical Biology</i> , 2012 , 8, 960-962	11.7	112
288	Inhibition of mitochondrial aconitase by succination in fumarate hydratase deficiency. <i>Cell Reports</i> , 2013 , 3, 689-700	10.6	108
287	Restoring p53 function in human melanoma cells by inhibiting MDM2 and cyclin B1/CDK1-phosphorylated nuclear iASPP. <i>Cancer Cell</i> , 2013 , 23, 618-33	24.3	107

286	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, 535-46	7.6	107
285	Recognition of phosphodegron motifs in human cyclin E by the SCF(Fbw7) ubiquitin ligase. <i>Journal of Biological Chemistry</i> , 2004 , 279, 50110-9	5.4	105
284	Ubiquitin ligase ARF-BP1/Mule modulates base excision repair. <i>EMBO Journal</i> , 2009 , 28, 3207-15	13	102
283	Comparative evaluation of label-free SINQ normalized spectral index quantitation in the central proteomics facilities pipeline. <i>Proteomics</i> , 2011 , 11, 2790-7	4.8	100
282	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, 9990-5	11.5	99
281	DNA modification under mild conditions by Suzuki-Miyaura cross-coupling for the generation of functional probes. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10553-8	16.4	98
280	Autophagy limits proliferation and glycolytic metabolism in acute myeloid leukemia. <i>Cell Death Discovery</i> , 2015 , 1,	6.9	95
279	Bioorthogonal organic chemistry in living cells: novel strategies for labeling biomolecules. <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 20-7	3.9	95
278	SPATA2 Links CYLD to LUBAC, Activates CYLD, and Controls LUBAC Signaling. <i>Molecular Cell</i> , 2016 , 63, 990-1005	17.6	94
277	Arginine methylation-dependent reader-writer interplay governs growth control by E2F-1. <i>Molecular Cell</i> , 2013 , 52, 37-51	17.6	93
276	Identification of distinct circulating exosomes in Parkinson's disease. <i>Annals of Clinical and Translational Neurology</i> , 2015 , 2, 353-61	5.3	93
275	The FIH hydroxylase is a cellular peroxide sensor that modulates HIF transcriptional activity. <i>EMBO Reports</i> , 2012 , 13, 251-7	6.5	93
274	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	24.3	92
273	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, 4019-24	11.5	91
272	Gene expression analysis of B-lymphoma cells resistant and sensitive to bortezomib. <i>British Journal of Haematology</i> , 2006 , 134, 145-56	4.5	90
271	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, 609-15	17.6	84
270	Colorectal cancer liver metastatic growth depends on PAD4-driven citrullination of the extracellular matrix. <i>Nature Communications</i> , 2018 , 9, 4783	17.4	84
269	CPFP: a central proteomics facilities pipeline. <i>Bioinformatics</i> , 2010 , 26, 1131-2	7.2	82

268	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	6.7	81
267	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	5.7	80
266	High-temperature stability of suspended single-layer graphene. <i>Physica Status Solidi - Rapid Research Letters</i> , 2010 , 4, 302-304	2.5	80
265	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, 4031-6	11.5	79
264	P17-28 LB. The antiviral efficacy of HIV-specific CD8+ T-cells to a conserved epitope is heavily dependent on the infecting HIV-1 isolate. <i>Retrovirology</i> , 2009 , 6, P410	3.6	78
263	P10-05. Suppression of human dendritic cell function during acute HIV infection. <i>Retrovirology</i> , 2009 , 6,	3.6	78
262	Nitric Oxide Modulates Metabolic Remodeling in Inflammatory Macrophages through TCA Cycle Regulation and Itaconate Accumulation. <i>Cell Reports</i> , 2019 , 28, 218-230.e7	10.6	77
261	Deubiquitinating enzyme specificity for ubiquitin chain topology profiled by di-ubiquitin activity probes. <i>Chemistry and Biology</i> , 2013 , 20, 1447-55		75
260	Optimal translational termination requires C4 lysyl hydroxylation of eRF1. <i>Molecular Cell</i> , 2014 , 53, 645-54.6	5.6	75
259	Deubiquitinase Usp8 regulates β -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	11.5	73
258	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, 1224-9	4.8	73
257	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, 15867-72	11.5	71
256	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, 4583-7	11.5	70
255	Cerebrospinal fluid macrophage biomarkers in amyotrophic lateral sclerosis. <i>Annals of Neurology</i> , 2018 , 83, 258-268	9.4	69
254	Discovery of candidate serum proteomic and metabolomic biomarkers in ankylosing spondylitis. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, M111.013904	7.6	69
253	Interplay between lysine methylation and Cdk phosphorylation in growth control by the retinoblastoma protein. <i>EMBO Journal</i> , 2011 , 30, 317-27	13	67
252	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, 2074-80	2.2	65
251	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, 284-94	9.5	64

250	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	7.6	64
249	Matrix metalloproteinase-9 regulates tumor cell invasion through cleavage of protease nexin-1. <i>Cancer Research</i> , 2010 , 70, 6988-98	10.1	64
248	RYBP stimulates PRC1 to shape chromatin-based communication between Polycomb repressive complexes. <i>ELife</i> , 2016 , 5,	8.9	64
247	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, 779-85	6.5	62
246	PTMs in conversation: activity and function of deubiquitinating enzymes regulated via post-translational modifications. <i>Cell Biochemistry and Biophysics</i> , 2011 , 60, 21-38	3.2	61
245	Factor-inhibiting hypoxia-inducible factor (FIH) catalyses the post-translational hydroxylation of histidyl residues within ankyrin repeat domains. <i>FEBS Journal</i> , 2011 , 278, 1086-97	5.7	60
244	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	7.6	60
243	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> , 2018 , 19, 930-939	21.7	59
242	Small-molecule inhibitors and probes for ubiquitin- and ubiquitin-like-specific proteases. <i>ChemBioChem</i> , 2005 , 6, 287-91	3.8	59
241	CDA directs metabolism of epigenetic nucleosides revealing a therapeutic window in cancer. <i>Nature</i> , 2015 , 524, 114-8	50.4	58
240	Functional analysis of AEBP2, a PRC2 Polycomb protein, reveals a Trithorax phenotype in embryonic development and in ESCs. <i>Development (Cambridge)</i> , 2016 , 143, 2716-23	6.6	58
239	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, 711-21	32.3	58
238	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, 1652-9	3.5	58
237	Chemistry-based functional proteomics: mechanism-based activity-profiling tools for ubiquitin and ubiquitin-like specific proteases. <i>Journal of Proteome Research</i> , 2004 , 3, 268-76	5.6	58
236	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, 7648-60	5.4	57
235	Iron load and redox stress in skeletal muscle of aged rats. <i>Muscle and Nerve</i> , 2007 , 36, 223-33	3.4	56
234	Proteomic analysis of human adipose tissue after rosiglitazone treatment shows coordinated changes to promote glucose uptake. <i>Obesity</i> , 2010 , 18, 27-34	8	55
233	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	5.6	54

232	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, 809-16	6.9	54
231	DNA-PKcs and PARP1 Bind to Unresected Stalled DNA Replication Forks Where They Recruit XRCC1 to Mediate Repair. <i>Cancer Research</i> , 2016 , 76, 1078-88	10.1	53
230	The SOCS2 ubiquitin ligase complex regulates growth hormone receptor levels. <i>PLoS ONE</i> , 2011 , 6, e25358	3.7	52
229	Small-molecule-based inhibition of histone demethylation in cells assessed by quantitative mass spectrometry. <i>Journal of Proteome Research</i> , 2010 , 9, 4082-4092	5.6	52
228	USP4 Auto-Deubiquitylation Promotes Homologous Recombination. <i>Molecular Cell</i> , 2015 , 60, 362-73	17.6	51
227	Interaction of hydroxylated collagen IV with the von hippel-lindau tumor suppressor. <i>Journal of Biological Chemistry</i> , 2007 , 282, 13264-9	5.4	51
226	PCGF6-PRC1 suppresses premature differentiation of mouse embryonic stem cells by regulating germ cell-related genes. <i>ELife</i> , 2017 , 6,	8.9	51
225	Hypoxia induces a lipogenic cancer cell phenotype via HIF1 α -dependent and -independent pathways. <i>Oncotarget</i> , 2015 , 6, 1920-41	3.3	50
224	Post-translational modification of the deubiquitinating enzyme otubain 1 modulates active RhoA levels and susceptibility to Yersinia invasion. <i>FEBS Journal</i> , 2010 , 277, 2515-30	5.7	49
223	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, 7833-50	20.1	47
222	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, 268-79	6.5	47
221	E3 ligases determine ubiquitination site and conjugate type by enforcing specificity on E2 enzymes. <i>Journal of Biological Chemistry</i> , 2011 , 286, 44104-44115	5.4	47
220	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, 629-40	16.6	47
219	Complete primary structure of chicken collagen XIV. <i>FEBS Journal</i> , 1993 , 212, 483-90		47
218	Broad and strong memory CD4 and CD8 T cells induced by SARS-CoV-2 in UK convalescent COVID-19 patients 2020 ,		47
217	Protein arginine methylation: a prominent modification and its demethylation. <i>Cellular and Molecular Life Sciences</i> , 2017 , 74, 3305-3315	10.3	46
216	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, 1876-83	2.4	46
215	Citrullination-acetylation interplay guides E2F-1 activity during the inflammatory response. <i>Science Advances</i> , 2016 , 2, e1501257	14.3	46

214	Defining the HLA class I-associated viral antigen repertoire from HIV-1-infected human cells. <i>European Journal of Immunology</i> , 2016 , 46, 60-9	6.1	45
213	A photoreactive small-molecule probe for 2-oxoglutarate oxygenases. <i>Chemistry and Biology</i> , 2011 , 18, 642-654		44
212	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, 701-11	20.1	44
211	Capturing the dynamics of genome replication on individual ultra-long nanopore sequence reads. <i>Nature Methods</i> , 2019 , 16, 429-436	21.6	43
210	Ankylosing spondylitis monocytes show upregulation of proteins involved in inflammation and the ubiquitin proteasome pathway. <i>Annals of the Rheumatic Diseases</i> , 2009 , 68, 1626-32	2.4	43
209	DUBbing Cancer: Deubiquitylating Enzymes Involved in Epigenetics, DNA Damage and the Cell Cycle As Therapeutic Targets. <i>Frontiers in Genetics</i> , 2016 , 7, 133	4.5	43
208	Optimizing 2D gas chromatography mass spectrometry for robust tissue, serum and urine metabolite profiling. <i>Talanta</i> , 2017 , 165, 685-691	6.2	41
207	Discovery and validation of biomarkers to guide clinical management of pneumonia in African children. <i>Clinical Infectious Diseases</i> , 2014 , 58, 1707-15	11.6	41
206	A cell-permeable inhibitor and activity-based probe for the caspase-like activity of the proteasome. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 3402-5	2.9	41
205	Structure and reactivity of an asymmetric complex between HslV and I-domain deleted HslU, a prokaryotic homolog of the eukaryotic proteasome. <i>Journal of Molecular Biology</i> , 2003 , 330, 185-95	6.5	41
204	MDC1 Interacts with TOPBP1 to Maintain Chromosomal Stability during Mitosis. <i>Molecular Cell</i> , 2019 , 74, 571-583.e8	17.6	40
203	Supramolecular attack particles are autonomous killing entities released from cytotoxic T cells. <i>Science</i> , 2020 , 368, 897-901	33.3	40
202	Mitochondrial proteome analysis reveals altered expression of voltage dependent anion channels in pancreatic β cells exposed to high glucose. <i>Islets</i> , 2010 , 2, 283-92	2	40
201	The ER membrane protein complex promotes biogenesis of sterol-related enzymes maintaining cholesterol homeostasis. <i>Journal of Cell Science</i> , 2019 , 132,	5.3	39
200	The Succinated Proteome of FH-Mutant Tumours. <i>Metabolites</i> , 2014 , 4, 640-54	5.6	38
199	HIV-1 infection-induced apoptotic microparticles inhibit human DCs via CD44. <i>Journal of Clinical Investigation</i> , 2012 , 122, 4685-97	15.9	38
198	Quantitative Proteomics Identification of Seminal Fluid Proteins in Male. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, S46-S58	7.6	38
197	Divergent allocation of sperm and the seminal proteome along a competition gradient in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 17925-17933	11.5	37

196	Ubiquitin - omics reveals novel networks and associations with human disease. <i>Current Opinion in Chemical Biology</i> , 2013 , 17, 59-65	9.7	37
195	A regulatory circuit that involves HR23B and HDAC6 governs the biological response to HDAC inhibitors. <i>Cell Death and Differentiation</i> , 2013 , 20, 1306-16	12.7	37
194	Urinary peptide profiling identifies a panel of putative biomarkers for diagnosing and staging endometriosis. <i>Fertility and Sterility</i> , 2011 , 95, 1261-6.e1-6	4.8	37
193	Mapping protein interactions of sodium channel Na1.7 using epitope-tagged gene-targeted mice. <i>EMBO Journal</i> , 2018 , 37, 427-445	13	35
192	Tyrosine dephosphorylation is required for Bak activation in apoptosis. <i>EMBO Journal</i> , 2010 , 29, 3853-68	13	35
191	Proteome changes induced by knock-down of the deubiquitylating enzyme HAUSP/USP7. <i>Journal of Proteome Research</i> , 2007 , 6, 4163-72	5.6	35
190	z-VAD-fmk inhibits peptide:N-glycanase and may result in ER stress. <i>Cell Death and Differentiation</i> , 2006 , 13, 163-5	12.7	35
189	A novel role for endothelial tetrahydrobiopterin in mitochondrial redox balance. <i>Free Radical Biology and Medicine</i> , 2017 , 104, 214-225	7.8	34
188	Fumarate Hydratase Deletion in Pancreatic β Cells Leads to Progressive Diabetes. <i>Cell Reports</i> , 2017 , 20, 3135-3148	10.6	34
187	Cells deficient in base-excision repair reveal cancer hallmarks originating from adjustments to genetic instability. <i>Nucleic Acids Research</i> , 2015 , 43, 3667-79	20.1	34
186	MHC class I antigen processing regulated by cytosolic proteolysis-short cuts that alter peptide generation. <i>Molecular Immunology</i> , 2002 , 39, 171-9	4.3	34
185	OTUB1 de-ubiquitinating enzyme promotes prostate cancer cell invasion in vitro and tumorigenesis in vivo. <i>Molecular Cancer</i> , 2015 , 14, 8	42.1	33
184	Glutamate receptor α serum antibodies in pediatric opsoclonus myoclonus ataxia syndrome. <i>Neurology</i> , 2018 , 91, e714-e723	6.5	33
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15	Capturing the dynamics of genome replication on individual ultra-long nanopore sequence reads		1
14	Distinct Contribution of DNA Methylation and Histone Acetylation to the Genomic Occupancy of Transcription Factors		1
13	Cytoskeletal disorganization underlies PABPN1-mediated myogenic disability. <i>Scientific Reports</i> , 2020 , 10, 17621	4.9	1
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9	Targeting the Ubiquitylation and ISGylation Machinery for the Treatment of COVID-19.. <i>Biomolecules</i> , 2022 , 12,	5.9	1
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