Ronald Hay

List of Publications by Year in descending order

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		5896	7160
221	25,671	81	153
papers	citations	h-index	g-index

234	234	234	21160
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SUMO. Molecular Cell, 2005, 18, 1-12.	9.7	1,468
2	SUMO-1 Modification of IÎºBÎ± Inhibits NF-ÎºB Activation. Molecular Cell, 1998, 2, 233-239.	9.7	982
3	Thiordoxin regulates the DNA binding activity of NF-Ï‡B by reduction of a disulphid bond involving cysteine 62. Nucleic Acids Research, 1992, 20, 3821-3830.	14.5	791
4	RNF4 is a poly-SUMO-specific E3 ubiquitin ligase required for arsenic-induced PML degradation. Nature Cell Biology, 2008, 10, 538-546.	10.3	746
5	Polymeric Chains of SUMO-2 and SUMO-3 Are Conjugated to Protein Substrates by SAE1/SAE2 and Ubc9. Journal of Biological Chemistry, 2001, 276, 35368-35374.	3.4	690
6	SUMO-1 Conjugation in Vivo Requires Both a Consensus Modification Motif and Nuclear Targeting. Journal of Biological Chemistry, 2001, 276, 12654-12659.	3.4	650
7	SUMO-1 modification activates the transcriptional response of p53. EMBO Journal, 1999, 18, 6455-6461.	7.8	602
8	Inhibition of NF-ÂB DNA Binding by Nitric Oxide. Nucleic Acids Research, 1996, 24, 2236-2242.	14.5	500
9	OMERO: flexible, model-driven data management for experimental biology. Nature Methods, 2012, 9, 245-253.	19.0	478
10	Mdm2-Mediated NEDD8 Conjugation of p53 Inhibits Its Transcriptional Activity. Cell, 2004, 118, 83-97.	28.9	477
11	Structure of a RING E3 ligase and ubiquitin-loaded E2 primed for catalysis. Nature, 2012, 489, 115-120.	27.8	437
12	System-Wide Changes to SUMO Modifications in Response to Heat Shock. Science Signaling, 2009, 2, ra24.	3.6	415
13	p300 Transcriptional Repression Is Mediated by SUMO Modification. Molecular Cell, 2003, 11, 1043-1054.	9.7	406
14	Family-wide analysis of poly(ADP-ribose) polymerase activity. Nature Communications, 2014, 5, 4426.	12.8	386
15	Multiple C-Terminal Lysine Residues Target p53 for Ubiquitin-Proteasome-Mediated Degradation. Molecular and Cellular Biology, 2000, 20, 8458-8467.	2.3	337
16	Mutations in the IkBa gene in Hodgkin's disease suggest a tumour suppressor role for IÎºBÎ±. Oncogene, 1999, 18, 3063-3070.	5.9	330
17	Ubch9 conjugates SUMO but not ubiquitin. FEBS Letters, 1997, 417, 297-300.	2.8	314
18	Identification of the Enzyme Required for Activation of the Small Ubiquitin-like Protein SUMO-1. Journal of Biological Chemistry, 1999, 274, 10618-10624.	3.4	306

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19	SIRT1 Deacetylation and Repression of p300 Involves Lysine Residues 1020/1024 within the Cell Cycle Regulatory Domain 1. Journal of Biological Chemistry, 2005, 280, 10264-10276.	3.4	301
20	Initiation of SV40 DNA replication in vivo: Location and structure of 5â€² ends of DNA synthesized in the ori region. Cell, 1982, 28, 767-779.	28.9	294
21	Distinct and Overlapping Sets of SUMO-1 and SUMO-2 Target Proteins Revealed by Quantitative Proteomics. Molecular and Cellular Proteomics, 2006, 5, 2298-2310.	3.8	274
22	Calpain 3 deficiency is associated with myonuclear apoptosis and profound perturbation of the IÎºBÎ±/NF-ÎºB pathway in limb-girdle muscular dystrophy type 2A. Nature Medicine, 1999, 5, 503-511.	30.7	261
23	Posttranslational hydroxylation of ankyrin repeats in IÂB proteins by the hypoxia-inducible factor (HIF) asparaginyl hydroxylase, factor inhibiting HIF (FIH). Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 14767-14772.	7.1	258
24	SUMO-specific proteases: a twist in the tail. Trends in Cell Biology, 2007, 17, 370-376.	7.9	253
25	In Vivo Identification of Human Small Ubiquitin-like Modifier Polymerization Sites by High Accuracy Mass Spectrometry and an in Vitro to in Vivo Strategy. Molecular and Cellular Proteomics, 2008, 7, 132-144.	3.8	251
26	An N-terminal p14ARF peptide blocks Mdm2-dependent ubiquitination in vitro and can activate p53 in vivo. Oncogene, 2000, 19, 2312-2323.	5.9	240
27	Dynamic Interplay of the SUMO and ERK Pathways in Regulating Elk-1 Transcriptional Activity. Molecular Cell, 2003, 12, 63-74.	9.7	231
28	An additional role for SUMO in ubiquitin-mediated proteolysis. Nature Reviews Molecular Cell Biology, 2009, 10, 564-568.	37.0	231
29	Nuclear Retention of IÎºBÎ± Protects It from Signal-induced Degradation and Inhibits Nuclear Factor ÎºB Transcriptional Activation. Journal of Biological Chemistry, 1999, 274, 9108-9115.	3.4	221
30	Single-stranded DNA-binding protein hSSB1 is critical for genomic stability. Nature, 2008, 453, 677-681.	27.8	220
31	zeta PKC induces phosphorylation and inactivation of I kappa B-alpha in vitro.. EMBO Journal, 1994, 13, 2842-2848.	7.8	216
32	Absolute dependence on kappa B responsive elements for initiation and Tat-mediated amplification of HIV transcription in blood CD4 T lymphocytes.. EMBO Journal, 1995, 14, 1552-1560.	7.8	214
33	SUMO-targeted ubiquitin E3 ligase RNF4 is required for the response of human cells to DNA damage. Genes and Development, 2012, 26, 1196-1208.	5.9	209
34	Role of I BÎ± Ubiquitination in Signal-induced Activation of NF- B in Vivo. Journal of Biological Chemistry, 1996, 271, 7844-7850.	3.4	206
35	A Proteomic Study of SUMO-2 Target Proteins. Journal of Biological Chemistry, 2004, 279, 33791-33798.	3.4	197
36	Proteolytic degradation of MAD3 (IÏ°BÎ±) and enhanced processing of the NF-Ï°B precursor p105 are obligatory steps in the activation of NF-Ï°B. Nucleic Acids Research, 1993, 21, 5059-5066.	14.5	196

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37	p75-Mediated NF-ÎºB Activation Enhances the Survival Response of Developing Sensory Neurons to Nerve Growth Factor. Molecular and Cellular Neurosciences, 1999, 14, 28-40.	2.2	177
38	The adenovirus protease is activated by a virus-coded disulphide-linked peptide. Cell, 1993, 72, 97-104.	28.9	175
39	Activation of NF-ÎºB by PM10 Occurs via an Iron-Mediated Mechanism in the Absence of IÎºB Degradation. Toxicology and Applied Pharmacology, 2000, 166, 101-110.	2.8	174
40	Proteome-Wide Identification of SUMO2 Modification Sites. Science Signaling, 2014, 7, rs2.	3.6	174
41	NEDP1, a Highly Conserved Cysteine Protease That deNEDDylates Cullins. Journal of Biological Chemistry, 2003, 278, 25637-25643.	3.4	170
42	A Mechanism for Inhibiting the SUMO Pathway. Molecular Cell, 2004, 16, 549-561.	9.7	164
43	SUMO and transcriptional regulation. Seminars in Cell and Developmental Biology, 2004, 15, 201-210.	5.0	158
44	Mechanism of ubiquitylation by dimeric RING ligase RNF4. Nature Structural and Molecular Biology, 2011, 18, 1052-1059.	8.2	157
45	Androgen Receptor Acetylation Governs trans Activation and MEKK1-Induced Apoptosis without Affecting In Vitro Sumoylation and trans -Repression Function. Molecular and Cellular Biology, 2002, 22, 3373-3388.	2.3	155
46	Purification and identification of endogenous polySUMO conjugates. EMBO Reports, 2011, 12, 142-148.	4.5	155
47	Comparative Proteomic Analysis Identifies a Role for SUMO in Protein Quality Control. Science Signaling, 2011, 4, rs4.	3.6	153
48	SUMOylation of the GTPase Rac1 is required for optimal cell migration. Nature Cell Biology, 2010, 12, 1078-1085.	10.3	149
49	Role of cysteine62in DNA recognition by the P50 subunit of NF-xB. Nucleic Acids Research, 1993, 21, 1727-1734.	14.5	147
50	Ribosomal proteins are targets for the NEDD8 pathway. EMBO Reports, 2008, 9, 280-286.	4.5	147
51	Detection of protein SUMOylation in vivo. Nature Protocols, 2009, 4, 1363-1371.	12.0	144
52	HSP90 Protein Stabilizes Unloaded Argonaute Complexes and Microscopic P-bodies in Human Cells. Molecular Biology of the Cell, 2010, 21, 1462-1469.	2.1	143
53	Cytokine-Induced Nuclear Factor Kappa B Activation Promotes the Survival of Developing Neurons. Journal of Cell Biology, 2000, 148, 325-332.	5.2	141
54	Protein modification by SUMO. Trends in Biochemical Sciences, 2001, 26, 332-333.	7.5	140

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55	Persistent activation of nuclear factor-?B in cultured rat hepatic stellate cells involves the induction of potentially novel rel-like factors and prolonged changes in the expression of I?B family proteins. Hepatology, 1999, 30, 761-769.	7.3	131
56	Defective IÎºBÎ± in Hodgkin cell lines with constitutively active NF-ÎºB. Oncogene, 1998, 16, 2131-2139.	5.9	130
57	Unique binding interactions among Ubc9, SUMO and RanBP2 reveal a mechanism for SUMO paralog selection. Nature Structural and Molecular Biology, 2005, 12, 67-74.	8.2	125
58	The structure of SENP1â€“SUMO-2 complex suggests a structural basis for discrimination between SUMO paralogues during processing. Biochemical Journal, 2006, 397, 279-288.	3.7	121
59	Î²TrCP-Mediated Proteolysis of NF-ÎºB1 p105 Requires Phosphorylation of p105 Serines 927 and 932. Molecular and Cellular Biology, 2003, 23, 402-413.	2.3	119
60	Modification of nuclear PML protein by SUMO-1 regulates Fas-induced apoptosis in rheumatoid arthritis synovial fibroblasts. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5073-5078.	7.1	119
61	Common Properties of Nuclear Body Protein SP100 and TIF1Î± Chromatin Factor: Role of SUMO Modification. Molecular and Cellular Biology, 2001, 21, 3314-3324.	2.3	118
62	Antipeptide antisera define neutralizing epitopes on the adenovirus hexon. Journal of General Virology, 1992, 73, 1429-1435.	2.9	113
63	The origin of adenovirus DNA replication: minimal DNA sequence requirement in vivo.. EMBO Journal, 1985, 4, 421-426.	7.8	110
64	SUMO protease SENP1 induces isomerization of the scissile peptide bond. Nature Structural and Molecular Biology, 2006, 13, 1069-1077.	8.2	110
65	Characterization of IÎºBÎ± Nuclear Import Pathway. Journal of Biological Chemistry, 1999, 274, 6804-6812.	3.4	109
66	NF-ÎºB Inhibits Apoptosis in Murine Mammary Epithelia. Journal of Biological Chemistry, 2000, 275, 12737-12742.	3.4	109
67	Stable-isotope labeling with amino acids in nematodes. Nature Methods, 2011, 8, 849-851.	19.0	108
68	Identification of a Substrate Recognition Site on Ubc9. Journal of Biological Chemistry, 2002, 277, 21740-21748.	3.4	107
69	Post-translational modification by SUMO. Toxicology, 2010, 278, 288-293.	4.2	105
70	Decoding the SUMO signal. Biochemical Society Transactions, 2013, 41, 463-473.	3.4	105
71	The Protein Stability and Transcriptional Activity of p63&alpha; are Regulated by SUMO-1 Conjugation. Cell Cycle, 2005, 4, 183-190.	2.6	104
72	Structural basis of NEDD8 ubiquitin discrimination by the deNEDDylating enzyme NEDP1. EMBO Journal, 2005, 24, 1341-1351.	7.8	103

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73	SUMO-1 Modification Alters ADAR1 Editing Activity. Molecular Biology of the Cell, 2005, 16, 5115-5126.	2.1	102
74	Adenovirus DNA Replication. Cold Spring Harbor Perspectives in Biology, 2013, 5, a013003-a013003.	5.5	100
75	Expression of the genome of potato leafroll virus: readthrough of the coat protein termination codon in vivo. Journal of General Virology, 1990, 71, 2251-2256.	2.9	99
76	Structural basis for the RING-catalyzed synthesis of K63-linked ubiquitin chains. Nature Structural and Molecular Biology, 2015, 22, 597-602.	8.2	99
77	Functional interactions between ubiquitin E2 enzymes and TRIM proteins. Biochemical Journal, 2011, 434, 309-319.	3.7	93
78	Ube2W conjugates ubiquitin to Î±-amino groups of protein N-termini. Biochemical Journal, 2013, 453, 137-145.	3.7	90
79	Replication of adenovirus mini-chromosomes. Journal of Molecular Biology, 1984, 175, 493-510.	4.2	89
80	Role of an N-Terminal Site of Ubc9 in SUMO-1, -2, and -3 Binding and Conjugationâ€. Biochemistry, 2003, 42, 9959-9969.	2.5	89
81	Regulation of transcription factors by protein degradation. Cellular and Molecular Life Sciences, 2000, 57, 1207-1219.	5.4	88
82	Characterization of SENP7, a SUMO-2/3-specific isopeptidase. Biochemical Journal, 2009, 421, 223-230.	3.7	88
83	Mutations of <i>NFKBIA</i>, encoding IÎºBÎ±, are a recurrent finding in classical Hodgkin lymphoma but are not a unifying feature of nonâ€•EBVâ€•associated cases. International Journal of Cancer, 2009, 125, 1334-1342.	5.1	85
84	Dss1 Is a 26S Proteasome Ubiquitin Receptor. Molecular Cell, 2014, 56, 453-461.	9.7	81
85	Proteotoxic stress reprograms the chromatin landscape of SUMO modification. Science Signaling, 2015, 8, rs7.	3.6	81
86	Sequence specificity for the initiation of RNA-primed simian virus 40 DNA synthesis in vivo. Journal of Molecular Biology, 1984, 175, 131-157.	4.2	80
87	Properties of herpesvirus-induced â€œimmediate earlyâ€•polypeptides. Virology, 1980, 104, 230-234.	2.4	79
88	Origin of adenovirus DNA replication. Journal of Molecular Biology, 1985, 186, 129-136.	4.2	79
89	Control of NFâ€“ÎºB transcriptional activation by signal induced proteolysis of IÎºBÎ±. Philosophical Transactions of the Royal Society B: Biological Sciences, 1999, 354, 1601-1609.	4.0	79
90	Reanalysis of phosphoproteomics data uncovers ADP-ribosylation sites. Nature Methods, 2012, 9, 771-772.	19.0	79

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91	Global Reprogramming of Host SUMOylation during Influenza Virus Infection. Cell Reports, 2015, 13, 1467-1480.	6.4	79
92	Recognition mechanisms in the synthesis of animal virus DNA. Biochemical Journal, 1989, 258, 3-16.	3.7	78
93	P14ARF promotes accumulation of SUMO-1 conjugated (H)Mdm2. FEBS Letters, 2002, 528, 207-211.	2.8	78
94	An influenza virus-triggered SUMO switch orchestrates co-opted endogenous retroviruses to stimulate host antiviral immunity. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 17399-17408.	7.1	78
95	Identification and purification of EBP1: a HeLa cell protein that binds to a region overlapping the 'core' of the SV40 enhancer.. Genes and Development, 1988, 2, 991-1002.	5.9	76
96	NF-kappa B-dependent induction of the NF-kappa B p50 subunit gene promoter underlies self-perpetuation of human immunodeficiency virus transcription in monocytic cells.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 7826-7830.	7.1	74
97	Recognition of the adenovirus type 2 origin of DNA replication by the virally encoded DNA polymerase and preterminal proteins.. EMBO Journal, 1992, 11, 761-768.	7.8	71
98	SUMO modification of the DEAD box protein p68 modulates its transcriptional activity and promotes its interaction with HDAC1. Oncogene, 2007, 26, 5866-5876.	5.9	69
99	A SUMO-Dependent Protein Network Regulates Chromosome Congression during Oocyte Meiosis. Molecular Cell, 2017, 65, 66-77.	9.7	69
100	The Adenovirus Type 40 Hexon: Sequence, Predicted Structure and Relationship to Other Adenovirus Hexons. Journal of General Virology, 1989, 70, 3203-3214.	2.9	69
101	Expression of a foreign epitope on the surface of the adenovirus hexon. Journal of General Virology, 1994, 75, 133-139.	2.9	68
102	SUMO Chain-Induced Dimerization Activates RNF4. Molecular Cell, 2014, 53, 880-892.	9.7	68
103	Regulation of the DNA binding activity of NF-ÎºB. International Journal of Biochemistry and Cell Biology, 1995, 27, 865-879.	2.8	67
104	Analysis of the SUMO2 Proteome during HSV-1 Infection. PLoS Pathogens, 2015, 11, e1005059.	4.7	66
105	Co-operative interactions between NFI and the adenovirus DNA binding protein at the adenovirus origin of replication.. EMBO Journal, 1989, 8, 1841-1848.	7.8	65
106	The SUMO protease SENP6 is a direct regulator of PML nuclear bodies. Molecular Biology of the Cell, 2011, 22, 78-90.	2.1	64
107	Arsenic-Induced SUMO-Dependent Recruitment of RNF4 into PML Nuclear Bodies. Molecular Biology of the Cell, 2010, 21, 4227-4239.	2.1	63
108	Conjugation of Human Topoisomerase 2Î± with Small Ubiquitin-like Modifiers 2/3 in Response to Topoisomerase Inhibitors: Cell Cycle Stage and Chromosome Domain Specificity. Cancer Research, 2008, 68, 2409-2418.	0.9	61

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109	E3 Ubiquitin Ligase HOIP Attenuates Apoptotic Cell Death Induced by Cisplatin. Cancer Research, 2014, 74, 2246-2257.	0.9	61
110	Human Immunodeficiency Virus Type 1 (HIV-1) Viral Protein R (Vpr) Interacts with Lys-tRNA Synthetase: Implications for Priming of HIV-1 Reverse Transcription. Journal of Virology, 1998, 72, 3037-3044.	3.4	60
111	DNA Sequence of the Adenovirus Type 41 Hexon Gene and Predicted Structure of the Protein. Journal of General Virology, 1988, 69, 2291-2301.	2.9	59
112	Modulation of AÎ² generation by small ubiquitin-like modifiers does not require conjugation to target proteins. Biochemical Journal, 2007, 404, 309-316.	3.7	59
113	Aphid Acquisition and Cellular Transport of Potato leafroll virus-like Particles Lacking P5 Readthrough Protein. Phytopathology, 2000, 90, 1153-1161.	2.2	58
114	Inhibition of nuclear factor-ÎºB activation un-masks the ability of TNF-Î± to induce human eosinophil apoptosis. European Journal of Immunology, 2002, 32, 457-466.	2.9	58
115	Proteome-wide identification of SUMO modification sites by mass spectrometry. Nature Protocols, 2015, 10, 1374-1388.	12.0	56
116	Interaction between hnRNPA1 and IÎºBÎ± Is Required for Maximal Activation of NF-ÎºB-Dependent Transcription. Molecular and Cellular Biology, 2001, 21, 3482-3490.	2.3	55
117	NF-ÎºB is a critical regulator of the survival of rodent and human hepatic myofibroblasts. Journal of Hepatology, 2008, 48, 589-597.	3.7	55
118	Nuclear Factor-ÎºB Activation via Tyrosine Phosphorylation of Inhibitor ÎºB-Î± Is Crucial for Ciliary Neurotrophic Factor-Promoted Neurite Growth from Developing Neurons. Journal of Neuroscience, 2007, 27, 9664-9669.	3.6	53
119	Fourier Transform Ion Cyclotron Resonance Mass Spectrometry for the Analysis of Small Ubiquitin-like Modifier (SUMO) Modification:Â Identification of Lysines in RanBP2 and SUMO Targeted for Modification during the E3 AutoSUMOylation Reaction. Analytical Chemistry, 2005, 77, 6310-6319.	6.5	51
120	The P-body component USP52/PAN2 is a novel regulator of <i>HIF1A</i> mRNA stability. Biochemical Journal, 2013, 451, 185-194.	3.7	51
121	Dynamic SUMO modification regulates mitotic chromosome assembly and cell cycle progression in Caenorhabditis elegans. Nature Communications, 2014, 5, 5485.	12.8	51
122	Identification of Sites of Ubiquitination in Proteins:Â A Fourier Transform Ion Cyclotron Resonance Mass Spectrometry Approach. Analytical Chemistry, 2004, 76, 6982-6988.	6.5	50
123	Regulation of Homeodomain-interacting Protein Kinase 2 (HIPK2) Effector Function through Dynamic Small Ubiquitin-related Modifier-1 (SUMO-1) Modification. Journal of Biological Chemistry, 2005, 280, 29224-29232.	3.4	50
124	Quantitative analysis of multiâ€protein interactions using FRET: Application to the SUMO pathway. Protein Science, 2008, 17, 777-784.	7.6	50
125	Structural Basis of BRCC36 Function in DNA Repair and Immune Regulation. Molecular Cell, 2019, 75, 483-497.e9.	9.7	50
126	Extra-pair paternity in the shag,Phalacrocorax aristotelisas determined by DNA fingerprinting. Journal of Zoology, 1992, 226, 399-408.	1.7	49

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127	Adenovirus DNA binding protein: helix destabilising properties. Nucleic Acids Research, 1994, 22, 742-748.	14.5	49
128	Autophagosomes cooperate in the degradation of intracellular Câ€terminal fragments of the amyloid precursor protein <i>via</i> the MVB/lysosomal pathway. FASEB Journal, 2017, 31, 2446-2459.	0.5	47
129	Role of Two Residues Proximal to the Active Site of Ubc9 in Substrate Recognition by the Ubc9Â·SUMO-1 Thiolester Complexâ€. Biochemistry, 2003, 42, 3168-3179.	2.5	46
130	Screen for multi-SUMOâ€"binding proteins reveals a multi-SIMâ€"binding mechanism for recruitment of the transcriptional regulator ZMYM2 to chromatin. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4854-63.	7.1	46
131	Sequence requirement for specific interaction of an enhancer binding protein (EBP1) with DNA. Nucleic Acids Research, 1989, 17, 499-516.	14.5	45
132	Medea SUMOylation restricts the signaling range of the Dpp morphogen in the <i>Drosophila</i> embryo. Genes and Development, 2008, 22, 2578-2590.	5.9	45
133	Sumoylation controls host antiâ€bacterial response to the gut invasive pathogen <i>Shigella flexneri</i>. EMBO Reports, 2014, 15, 965-972.	4.5	45
134	A Proteomic Approach to Analyze the Aspirin-mediated Lysine Acetylome. Molecular and Cellular Proteomics, 2017, 16, 310-326.	3.8	45
135	SUMOylation of HNF4Î± regulates protein stability and hepatocyte function. Journal of Cell Science, 2012, 125, 3630-3635.	2.0	43
136	Viable Viruses with Deletions in the Left Inverted Terminal Repeat Define the Adenovirus Origin of DNA Replication. Journal of General Virology, 1986, 67, 321-332.	2.9	41
137	SUMO Modification of the Ets-related Transcription Factor ERM Inhibits Its Transcriptional Activity. Journal of Biological Chemistry, 2005, 280, 24330-24338.	3.4	41
138	SUMO Modification Regulates MafB-Driven Macrophage Differentiation by Enabling Myb-Dependent Transcriptional Repression. Molecular and Cellular Biology, 2007, 27, 5554-5564.	2.3	41
139	Sp100 Isoform-Specific Regulation of Human Adenovirus 5 Gene Expression. Journal of Virology, 2014, 88, 6076-6092.	3.4	41
140	Antibody RING-Mediated Destruction of Endogenous Proteins. Molecular Cell, 2020, 79, 155-166.e9.	9.7	40
141	Absolute SILAC-Compatible Expression Strain Allows Sumo-2 Copy Number Determination in Clinical Samples. Journal of Proteome Research, 2011, 10, 4869-4875.	3.7	39
142	A role for paralog-specific sumoylation in histone deacetylase 1 stability. Journal of Molecular Cell Biology, 2013, 5, 416-427.	3.3	38
143	PML isoforms in response to arsenic: high resolution analysis of PML body structure and degradation characteristics. Journal of Cell Science, 2014, 127, 365-75.	2.0	38
144	Ubiquitin C-terminal hydrolases cleave isopeptide- and peptide-linked ubiquitin from structured proteins but do not edit ubiquitin homopolymers. Biochemical Journal, 2015, 466, 489-498.	3.7	38

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145	Rapid generation of endogenously driven transcriptional reporters in cells through CRISPR/Cas9. Scientific Reports, 2015, 5, 9811.	3.3	38
146	Ufd1-Npl4 Recruit Cdc48 for Disassembly of Ubiquitylated CMG Helicase at the End of Chromosome Replication. Cell Reports, 2017, 18, 3033-3042.	6.4	38
147	DNA sequences required for the initiation of adenovirus type 4 DNA replication in vitro. Journal of Molecular Biology, 1988, 201, 57-67.	4.2	37
148	Structural insight into SUMO chain recognition and manipulation by the ubiquitin ligase RNF4. Nature Communications, 2014, 5, 4217.	12.8	37
149	Interaction of the C-terminal region of p105 with the nuclear localisation signal of p50 is required for inhinition of NF-Ï°B binding activity. Nucleic Acids Research, 1993, 21, 4516-4523.	14.5	36
150	The carboxy-terminus of IÎºBÎ± determines susceptibility to degradation by the catalytic core of the proteasome. Oncogene, 1997, 15, 1841-1850.	5.9	35
151	SUMO-1 Modification of Human Transcription Factor (TF) IID Complex Subunits. Journal of Biological Chemistry, 2005, 280, 9937-9945.	3.4	35
152	Inhibition of NF-ÎºB by a cell permeable form of IÎºBÎ± induces apoptosis in eosinophils. Biochemical and Biophysical Research Communications, 2005, 326, 632-637.	2.1	35
153	Selective SUMO modification of cAMP-specific phosphodiesterase-4D5 (PDE4D5) regulates the functional consequences of phosphorylation by PKA and ERK. Biochemical Journal, 2010, 428, 55-65.	3.7	35
154	Conformational changes induced by DNA binding of NF-ÎºB. Nucleic Acids Research, 1995, 23, 3393-3402.	14.5	34
155	Assembly of virus-like particles in insect cells infected with a baculovirus containing a modified coat protein gene of potato leafroll luteovirus. Journal of General Virology, 1996, 77, 1349-1358.	2.9	34
156	Activation of NF-ÎºB nuclear transcription factor by flow in human endothelial cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2003, 1642, 33-44.	4.1	34
157	Detection of modification by ubiquitin-like proteins. Methods, 2006, 38, 35-38.	3.8	34
158	RNF12 X-Linked Intellectual Disability Mutations Disrupt E3 Ligase Activity and Neural Differentiation. Cell Reports, 2018, 23, 1599-1611.	6.4	34
159	Characterisation of the biflavonoid hinokiflavone as a pre-mRNA splicing modulator that inhibits SENP. ELife, 2017, 6, .	6.0	34
160	BC-box protein domain-related mechanism for VHL protein degradation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18168-18173.	7.1	33
161	Expression of adenovirus type 2 DNA polymerase in insect cells infected with a recombinant baculovirus. Nucleic Acids Research, 1990, 18, 1167-1173.	14.5	32
162	Apoptin is modified by SUMO conjugation and targeted to promyelocytic leukemia protein nuclear bodies. Oncogene, 2007, 26, 1557-1566.	5.9	32

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163	SUMO-modified nuclear cyclin D1 bypasses Ras-induced senescence. Cell Death and Differentiation, 2011, 18, 304-314.	11.2	32
164	Mechanism and function of DNA replicationâ€independent DNAâ€protein crosslink repair via the SUMOâ€RNF4 pathway. EMBO Journal, 2021, 40, e107413.	7.8	32
165	Ribozymes that cleave potato leafroll virus RNA within the coat protein and polymerase genes. Journal of General Virology, 1990, 71, 2257-2264.	2.9	29
166	A fluorescence-resonance-energy-transfer-based protease activity assay and its use to monitor paralog-specific small ubiquitin-like modifier processing. Analytical Biochemistry, 2007, 363, 83-90.	2.4	28
167	A cellular protein binds to a conserved sequence in the adenovirus type 2 enhancer. Nucleic Acids Research, 1987, 15, 2719-2735.	14.5	27
168	Sumoylation regulates protein dynamics during meiotic chromosome segregation in <i>C. elegans</i> oocytes. Journal of Cell Science, 2019, 132, .	2.0	27
169	Photocrosslinking Activity-Based Probes for Ubiquitin RING E3 Ligases. Cell Chemical Biology, 2020, 27, 74-82.e6.	5.2	26
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