Shigetsugu Hatakeyama

List of Publications by Year in descending order

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		28274	22166
126	13,312	55	113
papers	citations	h-index	g-index
127	127	127	16257
all docs	docs citations	times ranked	citing authors

#	Article	lF	CITATIONS
1	RING fingers mediate ubiquitin-conjugating enzyme (E2)-dependent ubiquitination. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 11364-11369.	7.1	1,054
2	Phosphorylation-dependent degradation of c-Myc is mediated by the F-box protein Fbw7. EMBO Journal, 2004, 23, 2116-2125.	7.8	683
3	TRIM proteins and cancer. Nature Reviews Cancer, 2011, 11, 792-804.	28.4	641
4	TRIM Family Proteins: Roles in Autophagy, Immunity, and Carcinogenesis. Trends in Biochemical Sciences, 2017, 42, 297-311.	7.5	586
5	U Box Proteins as a New Family of Ubiquitin-Protein Ligases. Journal of Biological Chemistry, 2001, 276, 33111-33120.	3.4	507
6	An F-box protein, FWD1, mediates ubiquitin-dependent proteolysis of Î ² -catenin. EMBO Journal, 1999, 18, 2401-2410.	7.8	505
7	CHIP Is Associated with Parkin, a Gene Responsible for Familial Parkinson's Disease, and Enhances Its Ubiquitin Ligase Activity. Molecular Cell, 2002, 10, 55-67.	9.7	460
8	Increased proliferation of B cells and auto-immunity in mice lacking protein kinase Cδ. Nature, 2002, 416, 865-869.	27.8	400
9	Cytoplasmic ubiquitin ligase KPC regulates proteolysis of p27Kip1 at G1 phase. Nature Cell Biology, 2004, 6, 1229-1235.	10.3	379
10	Skp2-Mediated Degradation of p27 Regulates Progression into Mitosis. Developmental Cell, 2004, 6, 661-672.	7.0	333
11	Riplet/RNF135, a RING Finger Protein, Ubiquitinates RIG-I to Promote Interferon-β Induction during the Early Phase of Viral Infection. Journal of Biological Chemistry, 2009, 284, 807-817.	3.4	308
12	The SOCS Box of SOCS-1 Accelerates Ubiquitin-dependent Proteolysis of TEL-JAK2. Journal of Biological Chemistry, 2001, 276, 12530-12538.	3.4	279
13	Degradation of p57 ^{<i>Kip2</i>} mediated by SCF ^{Skp2} -dependent ubiquitylation. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10231-10236.	7.1	266
14	Mouse Fbw7/Sel-10/Cdc4 Is Required for Notch Degradation during Vascular Development. Journal of Biological Chemistry, 2004, 279, 9417-9423.	3.4	225
15	Regulation of the Cell Cycle at the G1–S Transition by Proteolysis of Cyclin E and p27Kip1. Biochemical and Biophysical Research Communications, 2001, 282, 853-860.	2.1	217
16	U-box proteins as a new family of ubiquitin ligases. Biochemical and Biophysical Research Communications, 2003, 302, 635-645.	2.1	212
17	Down-regulation of p27 by Two Mechanisms, Ubiquitin-mediated Degradation and Proteolytic Processing. Journal of Biological Chemistry, 1999, 274, 13886-13893.	3.4	208
18	Degradation of p27 at the G0-G1 Transition Mediated by a Skp2-independent Ubiquitination Pathway. Journal of Biological Chemistry, 2001, 276, 48937-48943.	3.4	198

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19	Accelerated Neutrophil Apoptosis in Mice Lacking A1-a, a Subtype of the bcl-2–related A1 Gene. Journal of Experimental Medicine, 1998, 188, 1985-1992.	8.5	192
20	Ubiquitin-dependent degradation of IÂBÂ is mediated by a ubiquitin ligase Skp1/Cul 1/F-box protein FWD1. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 3859-3863.	7.1	192
21	Phosphorylation at Serine 10, a Major Phosphorylation Site of p27 , Increases Its Protein Stability. Journal of Biological Chemistry, 2000, 275, 25146-25154.	3.4	189
22	Large-scale analysis of the human ubiquitin-related proteome. Proteomics, 2005, 5, 4145-4151.	2.2	167
23	CHIP promotes proteasomal degradation of familial ALSâ€linked mutant SOD1 by ubiquitinating Hsp/Hsc70. Journal of Neurochemistry, 2004, 90, 231-244.	3.9	160
24	Molecular clearance of ataxin-3 is regulated by a mammalian E4. EMBO Journal, 2004, 23, 659-669.	7.8	145
25	AIRE Functions As an E3 Ubiquitin Ligase. Journal of Experimental Medicine, 2004, 199, 167-172.	8.5	130
26	The E3 Ligase TTC3 Facilitates Ubiquitination and Degradation of Phosphorylated Akt. Developmental Cell, 2009, 17, 800-810.	7.0	129
27	TRIM proteins and diseases. Journal of Biochemistry, 2017, 161, mvw087.	1.7	122
28	Uâ€box protein carboxyl terminus of Hsc70â€interacting protein (CHIP) mediates polyâ€ubiquitylation preferentially on fourâ€repeat Tau and is involved in neurodegeneration of tauopathy. Journal of Neurochemistry, 2004, 91, 299-307.	3.9	116
29	Tripartite Motif Protein 32 Facilitates Cell Growth and Migration via Degradation of Abl-Interactor 2. Cancer Research, 2008, 68, 5572-5580.	0.9	109
30	Impaired degradation of inhibitory subunit of NF-ÂB (IÂB) and Â-catenin as a result of targeted disruption of the Â-TrCP1 gene. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 8752-8757.	7.1	106
31	Small Ubiquitin-Like Modifier 1 (SUMO-1) Modification of the Synergy Control Motif of Ad4 Binding Protein/Steroidogenic Factor 1 (Ad4BP/SF-1) Regulates Synergistic Transcription between Ad4BP/SF-1 and Sox9. Molecular Endocrinology, 2004, 18, 2451-2462.	3.7	103
32	UBE4B promotes Hdm2-mediated degradation of the tumor suppressor p53. Nature Medicine, 2011, 17, 347-355.	30.7	103
33	Siglec-15 Regulates Osteoclast Differentiation by Modulating RANKL-Induced Phosphatidylinositol 3-Kinase/Akt and Erk Pathways in Association With Signaling Adaptor DAP12. Journal of Bone and Mineral Research, 2013, 28, 2463-2475.	2.8	100
34	Essential Role of the Prosurvival bcl-2 Homologue A1 in Mast Cell Survival After Allergic Activation. Journal of Experimental Medicine, 2001, 194, 1561-1570.	8.5	95
35	Noncovalent SUMO-1 Binding Activity of Thymine DNA Glycosylase (TDG) Is Required for Its SUMO-1 Modification and Colocalization with the Promyelocytic Leukemia Protein. Journal of Biological Chemistry, 2005, 280, 5611-5621.	3.4	95
36	TRIM40 promotes neddylation of IKKÂ and is downregulated in gastrointestinal cancers. Carcinogenesis, 2011, 32, 995-1004.	2.8	91

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37	Spatial and temporal expression patterns of the cyclin-dependent kinase (CDK) inhibitors p27 Kip1 and p57 Kip2 during mouse development. Anatomy and Embryology, 2001, 203, 77-87.	1.5	89
38	Subcellular Localization and Ubiquitin-conjugating Enzyme (E2) Interactions of Mammalian HECT Family Ubiquitin Protein Ligases. Journal of Biological Chemistry, 1997, 272, 15085-15092.	3.4	83
39	Interaction of U-box-type ubiquitin-protein ligases (E3s) with molecular chaperones. Genes To Cells, 2004, 9, 533-548.	1.2	83
40	TRIM24 mediates ligand-dependent activation of androgen receptor and is repressed by a bromodomain-containing protein, BRD7, in prostate cancer cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 1828-1836.	4.1	83
41	Activation of Double-stranded RNA-activated Protein Kinase (PKR) by Interferon-stimulated Gene 15 (ISG15) Modification Down-regulates Protein Translation. Journal of Biological Chemistry, 2013, 288, 2839-2847.	3.4	81
42	Common Pathway for the Ubiquitination of lκBα, lκBβ, and lκBε Mediated by the F-Box Protein FWD1. Journal of Biological Chemistry, 1999, 274, 28169-28174.	3.4	80
43	Direct binding of TRAF2 and TRAF6 to TICAM-1/TRIF adaptor participates in activation of the Toll-like receptor 3/4 pathway. Molecular Immunology, 2010, 47, 1283-1291.	2.2	80
44	TRIM8 modulates STAT3 activity through negative regulation of PIAS3. Journal of Cell Science, 2010, 123, 2238-2245.	2.0	77
45	TRIM29 negatively regulates p53 via inhibition of Tip60. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 1245-1253.	4.1	76
46	TRIM59 interacts with ECSIT and negatively regulates NF-κB and IRF-3/7-mediated signal pathways. Biochemical and Biophysical Research Communications, 2012, 422, 501-507.	2.1	75
47	RNA Sensing by Gut Piezo1 Is Essential for Systemic Serotonin Synthesis. Cell, 2020, 182, 609-624.e21.	28.9	74
48	TRIM29 Suppresses TWIST1 and Invasive Breast Cancer Behavior. Cancer Research, 2014, 74, 4875-4887.	0.9	73
49	Molecular Role of RNF43 in Canonical and Noncanonical Wnt Signaling. Molecular and Cellular Biology, 2015, 35, 2007-2023.	2.3	71
50	Multiple gene duplication and expression of mouse bcl-2-related genes, A1. International Immunology, 1998, 10, 631-637.	4.0	69
51	Identification of Developmentally Expressed Proteins That Functionally Interact with Nedd4 Ubiquitin Ligase. Journal of Biological Chemistry, 2002, 277, 2897-2907.	3.4	69
52	Cell Surface Expression of CD147/EMMPRIN Is Regulated by Cyclophilin 60. Journal of Biological Chemistry, 2005, 280, 27866-27871.	3.4	66
53	Subcellular Expression of Autoimmune Regulator Is Organized in a Spatiotemporal Manner. Journal of Biological Chemistry, 2004, 279, 33984-33991.	3.4	65
54	Targeted Destruction of c-Myc by an Engineered Ubiquitin Ligase Suppresses Cell Transformation and Tumor Formation. Cancer Research, 2005, 65, 7874-7879.	0.9	58

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55	Functional Regulation of FEZ1 by the U-box-type Ubiquitin Ligase E4B Contributes to Neuritogenesis. Journal of Biological Chemistry, 2004, 279, 53533-53543.	3.4	56
56	Preferential interaction of TIP120A with Cul1 that is not modified by NEDD8 and not associated with Skp1. Biochemical and Biophysical Research Communications, 2003, 303, 1209-1216.	2.1	55
57	Degradation of Tob1 Mediated by SCFSkp2-Dependent Ubiquitination. Cancer Research, 2006, 66, 8477-8483.	0.9	55
58	Regulation of intestinal homeostasis by the ulcerative colitis-associated gene RNF186. Mucosal Immunology, 2017, 10, 446-459.	6.0	55
59	Mammalian E4 Is Required for Cardiac Development and Maintenance of the Nervous System. Molecular and Cellular Biology, 2005, 25, 10953-10964.	2.3	54
60	TRIM36 interacts with the kinetochore protein CENP-H and delays cell cycle progression. Biochemical and Biophysical Research Communications, 2009, 381, 383-387.	2.1	54
61	TRIM68 Regulates Ligand-Dependent Transcription of Androgen Receptor in Prostate Cancer Cells. Cancer Research, 2008, 68, 3486-3494.	0.9	53
62	Characterization of the mouse gene for the U-box-type ubiquitin ligase UFD2a. Biochemical and Biophysical Research Communications, 2003, 300, 297-304.	2.1	52
63	RNF43 interacts with NEDL1 and regulates p53-mediated transcription. Biochemical and Biophysical Research Communications, 2011, 404, 143-147.	2.1	52
64	TRIM39 negatively regulates the NFκB-mediated signaling pathway through stabilization of Cactin. Cellular and Molecular Life Sciences, 2016, 73, 1085-1101.	5.4	52
65	TRIM32 promotes neural differentiation through retinoic acid receptor-mediated transcription. Journal of Cell Science, 2011, 124, 3492-3502.	2.0	51
66	Elmo1 inhibits ubiquitylation of Dock180. Journal of Cell Science, 2006, 119, 923-932.	2.0	49
67	Largeâ€scale proteomic analysis of tyrosineâ€phosphorylation induced by Tâ€cell receptor or Bâ€cell receptor activation reveals new signaling pathways. Proteomics, 2009, 9, 3549-3563.	2.2	49
68	Ubiquitylation as a Quality Control System for Intracellular Proteins. Journal of Biochemistry, 2003, 134, 1-8.	1.7	48
69	TRIM59 Promotes Gliomagenesis by Inhibiting TC45 Dephosphorylation of STAT3. Cancer Research, 2018, 78, 1792-1804.	0.9	48
70	Regulation of the Level of Vesl-1S/Homer-1a Proteins by Ubiquitin-Proteasome Proteolytic Systems. Journal of Biological Chemistry, 2001, 276, 15893-15897.	3.4	46
71	Siglec-15 is a potential therapeutic target for postmenopausal osteoporosis. Bone, 2015, 71, 217-226.	2.9	46
72	Molecular Basis for the Association of Human E4B U Box Ubiquitin Ligase with E2-Conjugating Enzymes UbcH5c and Ubc4. Structure, 2010, 18, 955-965.	3.3	45

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73	TRIM67 Protein Negatively Regulates Ras Activity through Degradation of 80K-H and Induces Neuritogenesis. Journal of Biological Chemistry, 2012, 287, 12050-12059.	3.4	45
74	TRIM29 regulates the assembly of DNA repair proteins into damaged chromatin. Nature Communications, 2015, 6, 7299.	12.8	45
75	TRIM29 as a novel prostate basal cell marker for diagnosis of prostate cancer. Acta Histochemica, 2014, 116, 708-712.	1.8	43
76	MED26 regulates the transcription of snRNA genes through the recruitment of little elongation complex. Nature Communications, 2015, 6, 5941.	12.8	42
77	TRIM45 negatively regulates NF-κB-mediated transcription and suppresses cell proliferation. Biochemical and Biophysical Research Communications, 2012, 423, 104-109.	2.1	40
78	Ligand-dependent transcription of estrogen receptor α is mediated by the ubiquitin ligase EFP. Biochemical and Biophysical Research Communications, 2007, 357, 245-251.	2.1	38
79	Involvement of Rabring7 in EGF receptor degradation as an E3 ligase. Biochemical and Biophysical Research Communications, 2007, 357, 1058-1064.	2.1	38
80	Loss of TRIM29 Alters Keratin Distribution to Promote Cell Invasion in Squamous Cell Carcinoma. Cancer Research, 2018, 78, 6795-6806.	0.9	38
81	Molecular Dissection of the Interactions among lκBα, FWD1, and Skp1 Required for Ubiquitin-mediated Proteolysis of lκBα. Journal of Biological Chemistry, 1999, 274, 29641-29647.	3.4	37
82	Involvement of Ymer in suppression of NF-κB activation by regulated interaction with lysine-63-linked polyubiquitin chain. Biochimica Et Biophysica Acta - Molecular Cell Research, 2008, 1783, 826-837.	4.1	35
83	TRIM6 interacts with c-Myc and maintains pluripotency of mouse embryonal stem cells. Journal of Cell Science, 2012, 125, 1544-55.	2.0	35
84	14-3-3 proteins sequester a pool of soluble TRIM32 ubiquitin ligase to repress autoubiquitination and cytoplasmic body formation. Journal of Cell Science, 2013, 126, 2014-26.	2.0	33
85	Identification of anti-Sez6l2 antibody in a patient with cerebellar ataxia and retinopathy. Journal of Neurology, 2014, 261, 224-226.	3.6	33
86	Brain-Derived Neurotrophic Factor Improves Limited Exercise Capacity in Mice With Heart Failure. Circulation, 2018, 138, 2064-2066.	1.6	32
87	TRIM8 regulates Nanog via Hsp90β-mediated nuclear translocation of STAT3 in embryonic stem cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 1784-1792.	4.1	31
88	The TRIM-FLMN protein TRIM45 directly interacts with RACK1 and negatively regulates PKC-mediated signaling pathway. Oncogene, 2015, 34, 1280-1291.	5.9	31
89	Ro52 functionally interacts with IgG1 and regulates its quality control via the ERAD system. Molecular Immunology, 2008, 45, 2045-2054.	2.2	30
90	Csk overexpression reduces several monokines and nitric oxide productions but enhances prostaglandin E2 production in response to lipopolysaccharide in the macrophage cell line J774A.1. European Journal of Immunology, 1997, 27, 742-749.	2.9	28

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91	Early evidence for the role of TRIM29 in multiple cancer models. Expert Opinion on Therapeutic Targets, 2016, 20, 767-770.	3.4	28
92	Functional significance of the Fas molecule in naive lymphocytes. International Immunology, 1996, 8, 423-431.	4.0	27
93	Ubiquitylation and Degradation of Serum-inducible Kinase by hVPS18, a RING-H2 Type Ubiquitin Ligase. Journal of Biological Chemistry, 2005, 280, 41619-41627.	3.4	26
94	Mutations in bassoon in individuals with familial and sporadic progressive supranuclear palsy-like syndrome. Scientific Reports, 2018, 8, 819.	3.3	26
95	Autophagy promotes citrullination of VIM (vimentin) and its interaction with major histocompatibility complex class II in synovial fibroblasts. Autophagy, 2020, 16, 946-955.	9.1	26
96	Plasma gelsolin facilitates interaction between β ₂ glycoprotein I and α ₅ β ₁ integrin. Journal of Cellular and Molecular Medicine, 2011, 15, 141-151.	3.6	25
97	Formation of Mallory Body-like Inclusions and Cell Death Induced by Deregulated Expression of Keratin 18. Molecular Biology of the Cell, 2002, 13, 3441-3451.	2.1	24
98	Protection of vincristine-induced neuropathy by WldS expression and the independence of the activity of Nmnat1. Neuroscience Letters, 2007, 411, 228-232.	2.1	24
99	Sez6l2 regulates phosphorylation of ADD and neuritogenesis. Biochemical and Biophysical Research Communications, 2017, 494, 234-241.	2.1	24
100	Characterization of a Mouse Gene (Fbxw6) That Encodes a Homologue of Caenorhabditis elegans SEL-10. Genomics, 2001, 78, 214-222.	2.9	23
101	A substrate-trapping strategy to find E3 ubiquitin ligase substrates identifies Parkin and TRIM28 targets. Communications Biology, 2020, 3, 592.	4.4	21
102	The role of Mediator and Little Elongation Complex in transcription termination. Nature Communications, 2020, 11, 1063.	12.8	21
103	ZNRF1 interacts with tubulin and regulates cell morphogenesis. Biochemical and Biophysical Research Communications, 2009, 389, 506-511.	2.1	20
104	Ubiquitin-mediated regulation of JAK-STAT signaling in embryonic stem cells. Jak-stat, 2012, 1, 168-175.	2.2	20
105	MDA-9/syntenin interacts with ubiquitin via a novel ubiquitin-binding motif. Molecular and Cellular Biochemistry, 2011, 352, 163-172.	3.1	19
106	Structure and Expression of the Gene Encoding Mouse F-Box Protein, Fwd2. Genomics, 1999, 62, 50-58.	2.9	18
107	APS-mediated Ubiquitination of the Insulin Receptor Enhances its Internalization, but does not Induce its Degradation. Endocrine Journal, 2007, 54, 77-88.	1.6	18
108	Inhibition of NF-κB signaling via tyrosine phosphorylation of Ymer. Biochemical and Biophysical Research Communications, 2009, 378, 744-749.	2.1	17

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109	TRIM29 regulates the p63-mediated pathway in cervical cancer cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 2296-2305.	4.1	17
110	TRIM32 promotes retinoic acid receptor α-mediated differentiation in human promyelogenous leukemic cell line HL60. Biochemical and Biophysical Research Communications, 2012, 417, 594-600.	2.1	16
111	The novel heart-specific RING finger protein 207 is involved in energy metabolism in cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2016, 100, 43-53.	1.9	16
112	Anti-Sez6l2 antibody detected in a patient with immune-mediated cerebellar ataxia inhibits complex formation of GluR1 and Sez6l2. Journal of Neurology, 2018, 265, 962-965.	3.6	16
113	Ubiquitin-Conjugating Enzyme UBE2Q2 Suppresses Cell Proliferation and Is Down-Regulated in Recurrent Head and Neck Cancer. Molecular Cancer Research, 2009, 7, 1553-1562.	3.4	14
114	Ubiquitylation of ε-COP by PIRH2 and regulation of the secretion of PSA. Molecular and Cellular Biochemistry, 2007, 307, 73-82.	3.1	12
115	TRIM31 interacts with p52Shc and inhibits Src-induced anchorage-independent growth. Biochemical and Biophysical Research Communications, 2009, 388, 422-427.	2.1	12
116	Mapping of Ubiquitination Sites on Target Proteins. Methods in Enzymology, 2005, 399, 277-286.	1.0	11
117	Establishment of a newly improved detection system for NF-κB activity. Immunology Letters, 2007, 109, 175-181.	2.5	11
118	Human synovial sarcoma proto-oncogene Syt is essential for early embryonic development through the regulation of cell migration. Laboratory Investigation, 2009, 89, 645-656.	3.7	10
119	Pathology of frontotemporal dementia with limb girdle muscular dystrophy caused by a DNAJB6 mutation. Clinical Neurology and Neurosurgery, 2014, 127, 10-12.	1.4	9
120	Oxidative Stress Regulates IL-4 Gene Expression in Mast Cells through the Reduction of Histone Deacetylase. Otolaryngology - Head and Neck Surgery, 2015, 152, 48-52.	1.9	7
121	Role of apolipoprotein B100 and oxidized low-density lipoprotein in the monocyte tissue factor induction mediated by anti-β2 glycoprotein I antibodies. Lupus, 2016, 25, 1288-1298.	1.6	7
122	Expression of recombinant sea urchin cellulase SnEG54 using mammalian cell lines. Biochemical and Biophysical Research Communications, 2010, 395, 352-355.	2.1	4
123	Leukemogenic kinase <scp>FIP</scp> 1L1â€ <scp>PDGFRA</scp> and a small ubiquitinâ€like modifier E3 ligase, <scp>PIAS</scp> 1, form a positive crossâ€talk through their enzymatic activities. Cancer Science, 2017, 108, 200-207.	3.9	4
124	p53 represses the transcription of snRNA genes by preventing the formation of little elongation complex. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2016, 1859, 975-982.	1.9	3
125	Ribophorin II is involved in the tissue factor expression mediated by phosphatidylserine-dependent antiprothrombin antibody on monocytes. Rheumatology, 2016, 55, 1117-1126.	1.9	2
126	Fine-tuning of thymocyte development by ubiquitination-mediated stability control of the ESCRT protein CHMP5. Cellular and Molecular Immunology, 2017, 14, 957-959.	10.5	2