Fuminori Tokunaga

List of Publications by Year
in descending order

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93	7,621	71102	53230
papers	citations	41 h-index	85 g-index

98	98	98	6681
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Involvement of linear polyubiquitylation of NEMO in NF-ÎºB activation. Nature Cell Biology, 2009, 11, 123-132.	10.3	870
2	A ubiquitin ligase complex assembles linear polyubiquitin chains. EMBO Journal, 2006, 25, 4877-4887.	7.8	663
3	SHARPIN forms a linear ubiquitin ligase complex regulating NF-ÎºB activity and apoptosis. Nature, 2011, 471, 637-641.	27.8	655
4	SHARPIN is a component of the NF-ÎºB-activating linear ubiquitin chain assembly complex. Nature, 2011, 471, 633-636.	27.8	557
5	Antimicrobial Peptides, Isolated from Horseshoe Crab Hemocytes, Tachyplesin II, and Polyphemusins I and II: Chemical Structures and Biological Activity1. Journal of Biochemistry, 1989, 106, 663-668.	1.7	303
6	Recruitment of the autophagic machinery to endosomes during infection is mediated by ubiquitin. Journal of Cell Biology, 2013, 203, 115-128.	5.2	242
7	Gp78 Cooperates with RMA1 in Endoplasmic Reticulum-associated Degradation of CFTRÎ”F508. Molecular Biology of the Cell, 2008, 19, 1328-1336.	2.1	212
8	Linear polyubiquitination: a new regulator of NFâ€ÎºB activation. EMBO Reports, 2009, 10, 706-713.	4.5	202
9	Linear Ubiquitin Assembly Complex Negatively Regulates RIG-I- and TRIM25-Mediated Type I Interferon Induction. Molecular Cell, 2011, 41, 354-365.	9.7	189
10	Specific recognition of linear polyubiquitin by A20 zinc finger 7 is involved in NF-ÎºB regulation. EMBO Journal, 2012, 31, 3856-3870.	7.8	179
11	Identification of the ubiquitinâ€“protein ligase that recognizes oxidized IRP2. Nature Cell Biology, 2003, 5, 336-340.	10.3	176
12	Fbs2 Is a New Member of the E3 Ubiquitin Ligase Family That Recognizes Sugar Chains. Journal of Biological Chemistry, 2003, 278, 43877-43884.	3.4	156
13	Molecular mechanism of hemolymph clotting system in Limulus. Thrombosis Research, 1992, 68, 1-32.	1.7	143
14	Molecular Characterization of the "26S" Proteasome Complex from Rat Liver. Journal of Structural Biology, 1993, 111, 200-211.	2.8	142
15	Involvement of Heme Regulatory Motif in Heme-Mediated Ubiquitination and Degradation of IRP2. Molecular Cell, 2005, 19, 171-181.	9.7	135
16	Endoplasmic Reticulum (ER)-associated Degradation of Misfolded N-Linked Glycoproteins Is Suppressed upon Inhibition of ER Mannosidase I. Journal of Biological Chemistry, 2000, 275, 40757-40764.	3.4	114
17	Linear ubiquitination is involved in the pathogenesis of optineurin-associated amyotrophic lateral sclerosis. Nature Communications, 2016, 7, 12547.	12.8	109
18	Structural insights into cGAMP degradation by Ecto-nucleotide pyrophosphatase phosphodiesterase 1. Nature Communications, 2018, 9, 4424.	12.8	108

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19	Structures of CYLD USP with Met1- or Lys63-linked diubiquitin reveal mechanisms for dual specificity. Nature Structural and Molecular Biology, 2015, 22, 222-229.	8.2	105
20	Primary Structure of Anti-Lipopolysaccharide Factor from American Horseshoe Crab, Limulus polyphemus1. Journal of Biochemistry, 1987, 101, 1321-1330.	1.7	100
21	Primary Structure of Hemorrhagic Protein, HR2a, Isolated from the Venom of Trimeresurus flavoviridis1. Journal of Biochemistry, 1989, 105, 847-853.	1.7	100
22	Molecular cloning of cDNA for proteasomes (multicatalytic proteinase complexes) from rat liver: primary structure of the largest component (C2). Biochemistry, 1989, 28, 7332-7340.	2.5	90
23	Direct Virus Inactivation of Tachyplesin I and Its Isopeptides from Horseshoe Crab Hemocytes. Chemotherapy, 1991, 37, 327-334.	1.6	89
24	Purification and Amino Acid Sequence of Basic Protein II, a Lysine-49-Phospholipase A2 with Low Activity, from Trimeresurus flavoviridis Venom1. Journal of Biochemistry, 1990, 107, 400-408.	1.7	86
25	Analysis of Nuclear Factor-Î¹B (NF-Î¹B) Essential Modulator (NEMO) Binding to Linear and Lysine-linked Ubiquitin Chains and Its Role in the Activation of NF-Î¹B. Journal of Biological Chemistry, 2012, 287, 23626-23634.	3.4	86
26	Molecular cloning of cDNA for proteasomes from rat liver: primary structure of component C3 with a possible tyrosine phosphorylation site. Biochemistry, 1990, 29, 3777-3785.	2.5	79
27	LUBAC, a novel ubiquitin ligase for linear ubiquitination, is crucial for inflammation and immune responses. Microbes and Infection, 2012, 14, 563-572.	1.9	76
28	Linear ubiquitination-mediated NF-ÂB regulation and its related disorders. Journal of Biochemistry, 2013, 154, 313-323.	1.7	73
29	Limulus factor D, a 43-kDa protein isolated from horseshoe crab hemocytes, is a serine protease homologue with antimicrobial activity. FEBS Letters, 1996, 398, 146-150.	2.8	71
30	Intracellular serine-protease zymogen, factor C, from horseshoe crab hemocytes. Its activation by synthetic lipid A analogues and acidic phospholipids. FEBS Journal, 1988, 176, 89-94.	0.2	62
31	cDNA cloning and sequencing of component C9 of proteasomes from rat hepatoma cells. FEBS Letters, 1990, 264, 279-282.	2.8	60
32	Isolation and characterization of a thermolabile Î²-2 macroglycoprotein (â€˜thermolabile substanceâ€™ or) Tj ETQq0 0 0 rgBT /Overlock erythematosus. BBA - Proteins and Proteomics, 1991, 1078, 369-376.	2.1	58
33	Interaction between Lipopolysaccharide and Intracellular Serine Protease Zymogen, Factor C, from Horseshoe Crab (Tachypleus tridentatus) Hemocytes1. Journal of Biochemistry, 1988, 103, 370-374.	1.7	55
34	Structural and Functional Analyses of DNA-Sensing and Immune Activation by Human cGAS. PLoS ONE, 2013, 8, e76983.	2.5	54
35	A nonâ€canonical UBAâ€“UBL interaction forms the linearâ€ubiquitinâ€chain assembly complex. EMBO Reports, 2012, 13, 462-468.	4.5	52
36	cDNA cloning and sequencing of component C5 of proteasomes from rat hepatoma cells. FEBS Letters, 1990, 264, 91-94.	2.8	51

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37	Proline-rich Cell Surface Antigens of Horseshoe Crab Hemocytes Are Substrates for Protein Cross-linking with a Clotting Protein Coagulin. Journal of Biological Chemistry, 2002, 277, 40084-40090.	3.4	51
38	cDNA cloning and sequencing of component C8 of proteasomes from rat hepatoma cells. Biochemical and Biophysical Research Communications, 1990, 171, 676-683.	2.1	49
39	Warfarin Causes the Degradation of Protein C Precursor in the Endoplasmic Reticulum. Biochemistry, 1995, 34, 1163-1170.	2.5	47
40	Mutual regulation of conventional protein kinase C and a ubiquitin ligase complex. Biochemical and Biophysical Research Communications, 2006, 351, 340-347.	2.1	45
41	Linear ubiquitination: A novel NF-Î°B regulatory mechanism for inflammatory and immune responses by the LUBAC ubiquitin ligase complex [Review]. Endocrine Journal, 2012, 59, 641-652.	1.6	44
42	Structural and Functional Analysis of DDX41: a bispecific immune receptor for DNA and cyclic dinucleotide. Scientific Reports, 2016, 6, 34756.	3.3	43
43	Small-molecule inhibitors of linear ubiquitin chain assembly complex (LUBAC), HOIPINs, suppress NF-Î°B signaling. Biochemical and Biophysical Research Communications, 2019, 509, 700-706.	2.1	43
44	Molecular bases for HOIPINs-mediated inhibition of LUBAC and innate immune responses. Communications Biology, 2020, 3, 163.	4.4	38
45	Purification and Amino Acid Sequence of Kunitz-Type Protease Inhibitor Found in the Hemocytes of Horseshoe Crab (Tachypleus tridentatus)12. Journal of Biochemistry, 1987, 101, 1297-1306.	1.7	37
46	Linear Ubiquitin Code: Its Writer, Erasers, Decoders, Inhibitors, and Implications in Disorders. International Journal of Molecular Sciences, 2020, 21, 3381.	4.1	37
47	Further Studies on Lipopolysaccharide-Sensitive Serine Protease Zymogen (Factor C): Its Isolation from Limulus polyphemus Hemocytes and Identification as an Intracellular Zymogen Activated by Î±-Chymotrypsin, Not by Trypsin1. Journal of Biochemistry, 1991, 109, 150-157.	1.7	33
48	HTLV-1 Tax Induces Formation of the Active Macromolecular IKK Complex by Generating Lys63- and Met1-Linked Hybrid Polyubiquitin Chains. PLoS Pathogens, 2017, 13, e1006162.	4.7	30
49	Presequence Does Not Prevent Folding of a Purified Mitochondrial Precursor Protein and Is Essential for Association with a Reticulocyte Cytosolic Factor(s)1. Journal of Biochemistry, 1990, 108, 207-214.	1.7	29
50	Decreased linear ubiquitination of NEMO and FADD on apoptosis with caspase-mediated cleavage of HOIP. Biochemical and Biophysical Research Communications, 2017, 485, 152-159.	2.1	29
51	The NH2 -terminal residues of rat liver proteasome (multicatalytic proteinase complex) subunits, C2, C3 and C8, are N Î±-acetylated. FEBS Letters, 1990, 263, 373-375.	2.8	28
52	High-Throughput Screening for Linear Ubiquitin Chain Assembly Complex (LUBAC) Selective Inhibitors Using Homogenous Time-Resolved Fluorescence (HTRF)-Based Assay System. SLAS Discovery, 2018, 23, 1018-1029.	2.7	27
53	cDNA cloning of rat proteasome subunit RC1, a homologue of RING10 located in the human MHC class II region. FEBS Letters, 1992, 301, 65-68.	2.8	25
54	Intracellular degradation of secretion defect-type mutants of antithrombin is inhibited by proteasomal inhibitors. FEBS Letters, 1997, 412, 65-69.	2.8	23

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55	Preparation and Properties of Monoclonal Antibodies against Lipopolysaccharide-Sensitive Serine Protease Zymogen, Factor C, from Horseshoe Crab (Tachypleus tridentatus) Hemocytes1. Journal of Biochemistry, 1992, 112, 476-481.	1.7	22
56	Th2 cells and macrophages cooperatively induce allergic inflammation through histamine signaling. PLoS ONE, 2021, 16, e0248158.	2.5	22
57	The E3 ubiquitin ligase MIB2 enhances inflammation by degrading the deubiquitinating enzyme CYLD. Journal of Biological Chemistry, 2019, 294, 14135-14148.	3.4	21
58	LUBAC Formation Is Impaired in the Livers of Mice with MCD-Dependent Nonalcoholic Steatohepatitis. Mediators of Inflammation, 2015, 2015, 1-10.	3.0	20
59	Subquinocin, a small molecule inhibitor of CYLD and USP-family deubiquitinating enzymes, promotes NF-Î°B signaling. Biochemical and Biophysical Research Communications, 2020, 524, 1-7.	2.1	20
60	Interplay between protein acetylation and ubiquitination controls MCL1 protein stability. Cell Reports, 2021, 37, 109988.	6.4	20
61	Activation of nuclear factor-kappa B by linear ubiquitin chain assembly complex contributes to lung metastasis of osteosarcoma cells. International Journal of Oncology, 2012, 40, 409-17.	3.3	19
62	The COP9/Signalosome Increases the Efficiency of von Hippel-Lindau Protein Ubiquitin Ligase-mediated Hypoxia-inducible Factor-Î± Ubiquitination. Journal of Biological Chemistry, 2008, 283, 16622-16631.	3.4	18
63	Identification of linear polyubiquitin chain immunoreactivity in tau pathology of Alzheimerâ€™s disease. Neuroscience Letters, 2019, 703, 53-57.	2.1	18
64	Cellular Basis for Protein C Deficiency Caused by a Single Amino Acid Substitution at Argl5 in the Â-Carboxyglutamic Acid Domain. Journal of Biochemistry, 1996, 120, 360-368.	1.7	17
65	A Human DUB Protein Array for Clarification of Linkage Specificity of Polyubiquitin Chain and Application to Evaluation of Its Inhibitors. Biomedicines, 2020, 8, 152.	3.2	17
66	Hexa Histidineâ€“Tagged Recombinant Human Cytoglobin Deactivates Hepatic Stellate Cells and Inhibits Liver Fibrosis by Scavenging Reactive Oxygen Species. Hepatology, 2021, 73, 2527-2545.	7.3	17
67	Molecular cloning of two types of cDNA encoding subunit RC6-I of rat proteasomes. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1995, 1264, 45-52.	2.4	16
68	An Autosomal Recessive Mutation of DSG4 Causes Monilethrix through the ER Stress Response. Journal of Investigative Dermatology, 2015, 135, 1253-1260.	0.7	16
69	[20] Limulus clotting factor C: Lipopolysaccharide-sensitive serine protease zymogen. Methods in Enzymology, 1993, 223, 336-345.	1.0	15
70	N-Linked oligosaccharide processing, but not association with calnexin/calreticulin is highly correlated with endoplasmic reticulum-associated degradation of antithrombin Glu313-deleted mutant. Archives of Biochemistry and Biophysics, 2003, 411, 235-242.	3.0	15
71	Linear Polyubiquitin Chain Modification of TDP-43-Positive Neuronal Cytoplasmic Inclusions in Amyotrophic Lateral Sclerosis. Journal of Neuropathology and Experimental Neurology, 2020, 79, 256-265.	1.7	14
72	cDNA cloning of rat proteasome subunit RC10-II, assumed to be responsible for trypsin-like catalytic activity. FEBS Letters, 1993, 336, 462-466.	2.8	13

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73	The Structural Differences between a Glycoprotein Specific F-Box Protein Fbs1 and Its Homologous Protein FBG3. PLoS ONE, 2015, 10, e0140366.	2.5	13
74	MIND bomb 2 prevents RIPK1 kinase activity-dependent and -independent apoptosis through ubiquitylation of cFLIPL. Communications Biology, 2021, 4, 80.	4.4	13
75	cDNA cloning of rat proteasome subunit RC7-I, a homologue of yeast PRE1 essential for chymotrypsin-like activity. FEBS Letters, 1993, 332, 52-56.	2.8	12
76	Characterization of endoplasmic reticulum-associated degradation of a protein S mutant identified in a family of quantitative protein S deficiency. Thrombosis Research, 2006, 117, 323-331.	1.7	11
77	Generalized verrucosis caused by various human papillomaviruses in a patient with <scp>GATA</scp>2 deficiency. Journal of Dermatology, 2018, 45, e108-e109.	1.2	10
78	Coordination of retrotransposons and type I interferon with distinct interferon pathways in dermatomyositis, systemic lupus erythematosus and autoimmune blistering disease. Scientific Reports, 2021, 11, 23146.	3.3	10
79	[25] Horseshoe crab transglutaminase. Methods in Enzymology, 1993, 223, 378-388.	1.0	9
80	Amino Acid Sequence of Porcine Antithrombin III1. Journal of Biochemistry, 1994, 116, 1164-1170.	1.7	8
81	Reduced SHARPIN and LUBAC Formation May Contribute to CCl4- or Acetaminophen-Induced Liver Cirrhosis in Mice. International Journal of Molecular Sciences, 2017, 18, 326.	4.1	8
82	Cellular and Mathematical Analyses of LUBAC Involvement in T Cell Receptor-Mediated NF-Î°B Activation Pathway. Frontiers in Immunology, 2020, 11, 601926.	4.8	8
83	Linear ubiquitination in immune and neurodegenerative diseases, and beyond. Biochemical Society Transactions, 2022, 50, 799-811.	3.4	8
84	Backbone and side chain 1H, 13C, and 15N assignments of the ubiquitin-like domain of human HOIL-1L, an essential component of linear ubiquitin chain assembly complex. Biomolecular NMR Assignments, 2012, 6, 177-180.	0.8	7
85	Crosstalk Between NDP52 and LUBAC in Innate Immune Responses, Cell Death, and Xenophagy. Frontiers in Immunology, 2021, 12, 635475.	4.8	5
86	The synchronized gene expression of retrotransposons and type I interferon in dermatomyositis. Journal of the American Academy of Dermatology, 2021, 84, 1103-1105.	1.2	4
87	Identification of one base deletion in exon IX of the protein C gene that causes a type I deficiency. Thrombosis Research, 1992, 68, 417-423.	1.7	3
88	In-frame Val 216 -Ser 217 deletion of KIT in mild piebaldism causes aberrant secretion and SCF response. Journal of Dermatological Science, 2018, 91, 35-42.	1.9	3
89	Capacity of extracellular globins to reduce liver fibrosis via scavenging reactive oxygen species and promoting MMP-1 secretion. Redox Biology, 2022, 52, 102286.	9.0	3
90	Crystallization and preliminary X-ray characterization of the Skp1â€“Fbg3 complex. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 95-98.	0.7	2

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91	Generation of Rat Monoclonal Antibodies Against a Deubiquitinase, Ovarian Tumor Domain-Containing Protein 1. Monoclonal Antibodies in Immunodiagnosis and Immunotherapy, 2018, 37, 180-184.	1.6	2
92	Generation of Rat Monoclonal Antibodies Specific for DZIP3. Monoclonal Antibodies in Immunodiagnosis and Immunotherapy, 2018, 37, 153-157.	1.6	1
93	Th2 cell-derived histamine is involved in nasal Th2 infiltration in mice. Inflammation Research, 2021, 70, 539-541.	4.0	1