

Yong Tae Kwon

List of Publications by Year in descending order

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84
papers

11,099
citations

94433

37
h-index

51608

86
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87
all docs

87
docs citations

87
times ranked

20196
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Degradation of misfolded proteins in neurodegenerative diseases: therapeutic targets and strategies. <i>Experimental and Molecular Medicine</i> , 2015, 47, e147-e147.	7.7	650
3	The Ubiquitin Code in the Ubiquitin-Proteasome System and Autophagy. <i>Trends in Biochemical Sciences</i> , 2017, 42, 873-886.	7.5	525
4	The N-End Rule Pathway. <i>Annual Review of Biochemistry</i> , 2012, 81, 261-289.	11.1	326
5	A Family of Mammalian E3 Ubiquitin Ligases That Contain the UBR Box Motif and Recognize N-Degrans. <i>Molecular and Cellular Biology</i> , 2005, 25, 7120-7136.	2.3	293
6	An Essential Role of N-Terminal Arginylation in Cardiovascular Development. <i>Science</i> , 2002, 297, 96-99.	12.6	292
7	Protein Quality Control by Molecular Chaperones in Neurodegeneration. <i>Frontiers in Neuroscience</i> , 2017, 11, 185.	2.8	245
8	RGS4 and RGS5 are in vivo substrates of the N-end rule pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 15030-15035.	7.1	219
9	p62- and ubiquitin-dependent stress-induced autophagy of the mammalian 26S proteasome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7490-E7499.	7.1	205
10	Crosstalk and Interplay between the Ubiquitin-Proteasome System and Autophagy. <i>Molecules and Cells</i> , 2017, 40, 441-449.	2.6	201
11	Amino-terminal arginylation targets endoplasmic reticulum chaperone BiP for autophagy through p62 ^Δ binding. <i>Nature Cell Biology</i> , 2015, 17, 917-929.	10.3	198
12	p62/SQSTM1/Sequestosome-1 is an N-recognin of the N-end rule pathway which modulates autophagosome biogenesis. <i>Nature Communications</i> , 2017, 8, 102.	12.8	178
13	The N-end rule pathway: emerging functions and molecular principles of substrate recognition. <i>Nature Reviews Molecular Cell Biology</i> , 2011, 12, 735-747.	37.0	175
14	The mammalian N-end rule pathway: new insights into its components and physiological roles. <i>Trends in Biochemical Sciences</i> , 2007, 32, 520-528.	7.5	151
15	Female Lethality and Apoptosis of Spermatocytes in Mice Lacking the UBR2 Ubiquitin Ligase of the N-End Rule Pathway. <i>Molecular and Cellular Biology</i> , 2003, 23, 8255-8271.	2.3	138
16	Alternative Splicing Results in Differential Expression, Activity, and Localization of the Two Forms of Arginyl-tRNA-Protein Transferase, a Component of the N-End Rule Pathway. <i>Molecular and Cellular Biology</i> , 1999, 19, 182-193.	2.3	133
17	Construction and Analysis of Mouse Strains Lacking the Ubiquitin Ligase UBR1 (E3 [±]) of the N-End Rule Pathway. <i>Molecular and Cellular Biology</i> , 2001, 21, 8007-8021.	2.3	127
18	Numerous proteins with unique characteristics are degraded by the 26S proteasome following monoubiquitination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E4639-47.	7.1	127

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19	The Substrate Recognition Domains of the N-end Rule Pathway. <i>Journal of Biological Chemistry</i> , 2009, 284, 1884-1895.	3.4	116
20	The N-Degron Pathway Mediates ER-phagy. <i>Molecular Cell</i> , 2019, 75, 1058-1072.e9.	9.7	96
21	Altered Activity, Social Behavior, and Spatial Memory in Mice Lacking the NTAN1p Amidase and the Asparagine Branch of the N-End Rule Pathway. <i>Molecular and Cellular Biology</i> , 2000, 20, 4135-4148.	2.3	95
22	Doxorubicin delivered by a redox-responsive dasatinib-containing polymeric prodrug carrier for combination therapy. <i>Journal of Controlled Release</i> , 2017, 258, 43-55.	9.9	95
23	The AUTOTAC chemical biology platform for targeted protein degradation via the autophagy-lysosome system. <i>Nature Communications</i> , 2022, 13, 904.	12.8	92
24	KPC1-Mediated Ubiquitination and Proteasomal Processing of NF- κ B1 p105 to p50 Restricts Tumor Growth. <i>Cell</i> , 2015, 161, 333-347.	28.9	89
25	Impaired neurogenesis and cardiovascular development in mice lacking the E3 ubiquitin ligases UBR1 and UBR2 of the N-end rule pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 6212-6217.	7.1	79
26	UBR2 mediates transcriptional silencing during spermatogenesis via histone ubiquitination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 1912-1917.	7.1	76
27	ZZ-dependent regulation of p62/SQSTM1 in autophagy. <i>Nature Communications</i> , 2018, 9, 4373.	12.8	76
28	UBR box N-recognin-4 (UBR4), an N-recognin of the N-end rule pathway, and its role in yolk sac vascular development and autophagy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3800-3805.	7.1	74
29	Synthetic heterovalent inhibitors targeting recognition E3 components of the N-end rule pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 100-105.	7.1	70
30	N-terminal arginylation generates a bimodal degron that modulates autophagic proteolysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2716-E2724.	7.1	56
31	c-Cbl-mediated degradation of TRAIL receptors is responsible for the development of the early phase of TRAIL resistance. <i>Cellular Signalling</i> , 2010, 22, 553-563.	3.6	48
32	Diverse fate of ubiquitin chain moieties: The proximal is degraded with the target, and the distal protects the proximal from removal and recycles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 7805-7812.	7.1	48
33	The molecular principles of N-end rule recognition. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 1164-1165.	8.2	47
34	Characterization of Arginylation Branch of N-end Rule Pathway in G-protein-mediated Proliferation and Signaling of Cardiomyocytes. <i>Journal of Biological Chemistry</i> , 2012, 287, 24043-24052.	3.4	45
35	Erastin Inhibits Septic Shock and Inflammatory Gene Expression via Suppression of the NF- κ B Pathway. <i>Journal of Clinical Medicine</i> , 2019, 8, 2210.	2.4	45
36	Molecular mechanisms controlling asymmetric and symmetric self-renewal of cancer stem cells. <i>Journal of Analytical Science and Technology</i> , 2015, 6, 28.	2.1	44

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37	HSP90 inhibitor NVP-AUY922 enhances TRAIL-induced apoptosis by suppressing the JAK2-STAT3-Mcl-1 signal transduction pathway in colorectal cancer cells. <i>Cellular Signalling</i> , 2015, 27, 293-305.	3.6	41
38	The endoplasmic reticulum-residing chaperone BiP is short-lived and metabolized through N-terminal arginylation. <i>Science Signaling</i> , 2018, 11, .	3.6	38
39	The Ubiquitin Ligase Ubr2, a Recognition E3 Component of the N-End Rule Pathway, Stabilizes Tex19.1 during Spermatogenesis. <i>PLoS ONE</i> , 2010, 5, e14017.	2.5	37
40	Regulation of autophagic proteolysis by the N-recognin SQSTM1/p62 of the N-end rule pathway. <i>Autophagy</i> , 2018, 14, 359-361.	9.1	36
41	Crosstalk Between Apoptosis and Autophagy Is Regulated by the Arginylated BiP/Beclin-1/p62 Complex. <i>Molecular Cancer Research</i> , 2018, 16, 1077-1091.	3.4	35
42	Bivalent Inhibitor of the N-end Rule Pathway. <i>Journal of Biological Chemistry</i> , 1999, 274, 18135-18139.	3.4	34
43	Monoubiquitination joins polyubiquitination as an esteemed proteasomal targeting signal. <i>BioEssays</i> , 2017, 39, 1700027.	2.5	34
44	Cancer Stem Cells Protect Non-stem Cells From Anoikis: Bystander Effects. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 2289-2301.	2.6	32
45	Wnt3a Stimulation Promotes Primary Ciliogenesis through β -Catenin Phosphorylation-Induced Reorganization of Centriolar Satellites. <i>Cell Reports</i> , 2020, 30, 1447-1462.e5.	6.4	32
46	UBR2 of the N-End Rule Pathway Is Required for Chromosome Stability via Histone Ubiquitylation in Spermatocytes and Somatic Cells. <i>PLoS ONE</i> , 2012, 7, e37414.	2.5	32
47	Anticancer activity of a novel small molecule tubulin inhibitor STK899704. <i>PLoS ONE</i> , 2017, 12, e0173311.	2.5	32
48	Glioma-derived cancer stem cells are hypersensitive to proteasomal inhibition. <i>EMBO Reports</i> , 2017, 18, 150-168.	4.5	29
49	Multivalency-Assisted Control of Intracellular Signaling Pathways: Application for Ubiquitin-Dependent N-End Rule Pathway. <i>Chemistry and Biology</i> , 2009, 16, 121-131.	6.0	28
50	The N-end rule proteolytic system in autophagy. <i>Autophagy</i> , 2013, 9, 1100-1103.	9.1	27
51	Ferroptotic agent-induced endoplasmic reticulum stress response plays a pivotal role in the autophagic process outcome. <i>Journal of Cellular Physiology</i> , 2020, 235, 6767-6778.	4.1	26
52	p62-Induced Cancer-Associated Fibroblast Activation via the Nrf2-ATF6 Pathway Promotes Lung Tumorigenesis. <i>Cancers</i> , 2021, 13, 864.	3.7	25
53	The N-terminal cysteine is a dual sensor of oxygen and oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	24
54	Modulation of SQSTM1/p62 activity by N-terminal arginylation of the endoplasmic reticulum chaperone HSPA5/GRP78/BiP. <i>Autophagy</i> , 2016, 12, 426-428.	9.1	23

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55	PARK7 modulates autophagic proteolysis through binding to the N-terminally arginylated form of the molecular chaperone HSPA5. <i>Autophagy</i> , 2018, 14, 1870-1885.	9.1	23
56	Cep131 overexpression promotes centrosome amplification and colon cancer progression by regulating Plk4 stability. <i>Cell Death and Disease</i> , 2019, 10, 570.	6.3	23
57	Mechanism of the natural product moracin-O derived MO-460 and its targeting protein hnRNPA2B1 on HIF-1 α inhibition. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-14.	7.7	22
58	The N-recognin UBR4 of the N-end rule pathway is required for neurogenesis and homeostasis of cell surface proteins. <i>PLoS ONE</i> , 2018, 13, e0202260.	2.5	20
59	Mechanistic insight into the regulation of SQSTM1/p62. <i>Autophagy</i> , 2019, 15, 735-737.	9.1	18
60	Site-specific ubiquitination of pathogenic huntingtin attenuates its deleterious effects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18661-18669.	7.1	18
61	Excess of the NF- κ B p50 subunit generated by the ubiquitin ligase KPC1 suppresses tumors via PD-L1 α and chemokines-mediated mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 29823-29831.	7.1	18
62	Oligomycin A enhances apoptotic effect of TRAIL through CHOP α -mediated death receptor 5 expression. <i>Molecular Carcinogenesis</i> , 2013, 52, 85-93.	2.7	16
63	Regulation of reticulophagy by the N-degron pathway. <i>Autophagy</i> , 2020, 16, 373-375.	9.1	15
64	UBR7 functions with UBR5 in the Notch signaling pathway and is involved in a neurodevelopmental syndrome with epilepsy, ptosis, and hypothyroidism. <i>American Journal of Human Genetics</i> , 2021, 108, 134-147.	6.2	15
65	Chemical modulation of SQSTM1/p62-mediated xenophagy that targets a broad range of pathogenic bacteria. <i>Autophagy</i> , 2022, 18, 2926-2945.	9.1	15
66	PEGylated Fmoc α -Amino Acid Conjugates as Effective Nanocarriers for Improved Drug Delivery. <i>Molecular Pharmaceutics</i> , 2015, 12, 1680-1690.	4.6	14
67	Amino-terminal arginylation as a degradation signal for selective autophagy. <i>BMB Reports</i> , 2015, 48, 487-488.	2.4	14
68	p62/SQSTM1-induced caspase-8 aggresomes are essential for ionizing radiation-mediated apoptosis. <i>Cell Death and Disease</i> , 2021, 12, 997.	6.3	14
69	TRAIL α -induced Caspase Activation Is a Prerequisite for Activation of the Endoplasmic Reticulum Stress α -induced Signal Transduction Pathways. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 1078-1091.	2.6	11
70	Inhibition of osteoclasts differentiation by CDC2-induced NFATc1 phosphorylation. <i>Bone</i> , 2020, 131, 115153.	2.9	11
71	Photodynamic Therapy as a Potent Radiosensitizer in Head and Neck Squamous Cell Carcinoma. <i>Cancers</i> , 2021, 13, 1193.	3.7	11
72	Secretory TRAIL-Armed Natural Killer Cell α -Based Therapy: <i>In Vitro</i> and <i>In Vivo</i> Colorectal Peritoneal Carcinomatosis Xenograft. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 1591-1601.	4.1	10

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73	Targeted protein degradation via the autophagy-lysosome system: AUTOTAC (AUTOphagy-Targeting) Tj ETQq1 1 0,784314 rgBT /Ove	9.1	14
74	The N-recognin UBR4 of the N-end rule pathway is targeted to and required for the biogenesis of the early endosome. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	9
75	Phosphorylation of β -catenin Ser60 by polo-like kinase 1 drives the completion of cytokinesis. <i>EMBO Reports</i> , 2021, 22, e51503.	4.5	7
76	Enhanced anticancer effects of a methylation inhibitor by inhibiting a novel DNMT1 target, CEP 131, in cervical cancer. <i>BMB Reports</i> , 2019, 52, 342-347.	2.4	7
77	Hypoxia Promotes Synergy between Mitomycin C and Bortezomib through a Coordinated Process of Bcl-xL Phosphorylation and Mitochondrial Translocation of p53. <i>Molecular Cancer Research</i> , 2015, 13, 1533-1543.	3.4	6
78	Phosphorylation of human enhancer filamentation 1 (HEF1) stimulates interaction with Polo-like kinase 1 leading to HEF1 localization to focal adhesions. <i>Journal of Biological Chemistry</i> , 2018, 293, 847-862.	3.4	6
79	Peptide nucleic acid (PNA) probe-based analysis to detect filaggrin mutations in atopic dermatitis patients. <i>Experimental Dermatology</i> , 2018, 27, 1304-1308.	2.9	5
80	Dutomycin Induces Autophagy and Apoptosis by Targeting the Serine Protease Inhibitor SERPINB6. <i>ACS Chemical Biology</i> , 2021, 16, 360-370.	3.4	5
81	Monitoring stress-induced autophagic engulfment and degradation of the 26S proteasome in mammalian cells. <i>Methods in Enzymology</i> , 2019, 619, 337-366.	1.0	3
82	CPPF, A Novel Microtubule Targeting Anticancer Agent, Inhibits the Growth of a Wide Variety of Cancers. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4800.	4.1	3
83	A novel tubulin inhibitor STK899704 induces tumor regression in DMBA/TPA-induced skin carcinogenesis model. <i>Experimental Dermatology</i> , 2018, 27, 285-288.	2.9	2
84	SQSTM1/p62 as a therapeutic target in cancer. , 2022, 1, 70-74.		1