

Bo Yeon Kim

List of Publications by Year in descending order

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66
papers

2,312
citations

236925

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docs citations

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times ranked

3906
citing authors

#	ARTICLE	IF	CITATIONS
1	Amino-terminal arginylation targets endoplasmic reticulum chaperone BiP for autophagy through p62 ^Å binding. <i>Nature Cell Biology</i> , 2015, 17, 917-929.	10.3	198
2	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
3	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
4	Identification of a novel Wnt5a-CK1 ^Î -Dvl2-Plk1-mediated primary cilia disassembly pathway. <i>EMBO Journal</i> , 2012, 31, 3104-3117.	7.8	148
5	mTORC1 Promotes Metabolic Reprogramming by the Suppression of GSK3-Dependent Foxk1 Phosphorylation. <i>Molecular Cell</i> , 2018, 70, 949-960.e4.	9.7	107
6	The N-Degron Pathway Mediates ER-phagy. <i>Molecular Cell</i> , 2019, 75, 1058-1072.e9.	9.7	96
7	Molecular basis for unidirectional scaffold switching of human Plk4 in centriole biogenesis. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 696-703.	8.2	94
8	The AUTOTAC chemical biology platform for targeted protein degradation via the autophagy-lysosome system. <i>Nature Communications</i> , 2022, 13, 904.	12.8	92
9	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
10	Inhibition of Phospholipase C ^Î 31 and Cancer Cell Proliferation by Triterpene Esters from <i>Uncaria rhynchophylla</i> . <i>Journal of Natural Products</i> , 2000, 63, 753-756.	3.0	71
11	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
12	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
13	A column method for determination of DNA cytosine-C5-methyltransferase activity. <i>Analytical Biochemistry</i> , 2004, 326, 21-24.	2.4	42
14	The endoplasmic reticulum ^Å residing chaperone BiP is short-lived and metabolized through N-terminal arginylation. <i>Science Signaling</i> , 2018, 11, .	3.6	38
15	Molecular architecture of a cylindrical self-assembly at human centrosomes. <i>Nature Communications</i> , 2019, 10, 1151.	12.8	34
16	New Cyclic Lipopeptides of the Iturin Class Produced by Saltern-Derived <i>Bacillus</i> sp. KCB14S006. <i>Marine Drugs</i> , 2016, 14, 72.	4.6	33
17	MMPP Attenuates Non-Small Cell Lung Cancer Growth by Inhibiting the STAT3 DNA-Binding Activity <i>via</i> Direct Binding to the STAT3 DNA-Binding Domain. <i>Theranostics</i> , 2017, 7, 4632-4642.	10.0	32
18	Wnt3a Stimulation Promotes Primary Ciliogenesis through ^Î 2-Catenin Phosphorylation-Induced Reorganization of Centriolar Satellites. <i>Cell Reports</i> , 2020, 30, 1447-1462.e5.	6.4	32

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19	UBR2 of the N-End Rule Pathway Is Required for Chromosome Stability via Histone Ubiquitylation in Spermatocytes and Somatic Cells. PLoS ONE, 2012, 7, e37414.	2.5	32
20	Anticancer activity of a novel small molecule tubulin inhibitor STK899704. PLoS ONE, 2017, 12, e0173311.	2.5	32
21	Structures and biological activities of azaphilones produced by <i>Penicillium</i> sp. KCB11A109 from a ginseng field. Phytochemistry, 2016, 122, 154-164.	2.9	31
22	Inhibitory effects of flavonoids isolated from <i>Sophora flavescens</i> on indoleamine 2,3-dioxygenase 1 activity. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1481-1488.	5.2	31
23	Ulleungamides A and B, Modified β , γ -Dehydropipecolic Acid Containing Cyclic Depsipeptides from <i>Streptomyces</i> sp. KCB13F003. Organic Letters, 2015, 17, 4046-4049.	4.6	30
24	Stachybotrysin, an Osteoclast Differentiation Inhibitor from the Marine-Derived Fungus <i>Stachybotrys</i> sp. KCB13F013. Journal of Natural Products, 2016, 79, 2703-2708.	3.0	28
25	Eupafolin suppresses prostate cancer by targeting phosphatidylinositol 3-kinase-mediated Akt signaling. Molecular Carcinogenesis, 2015, 54, 751-760.	2.7	27
26	Haenamindole, an unusual diketopiperazine derivative from a marine-derived <i>Penicillium</i> sp. KCB12F005. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 5398-5401.	2.2	25
27	p62-Induced Cancer-Associated Fibroblast Activation via the Nrf2-ATF6 Pathway Promotes Lung Tumorigenesis. Cancers, 2021, 13, 864.	3.7	25
28	The N-terminal cysteine is a dual sensor of oxygen and oxidative stress. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	24
29	Modulation of SQSTM1/p62 activity by N-terminal arginylation of the endoplasmic reticulum chaperone HSPA5/GRP78/BiP. Autophagy, 2016, 12, 426-428.	9.1	23
30	PARK7 modulates autophagic proteolysis through binding to the N-terminally arginylated form of the molecular chaperone HSPA5. Autophagy, 2018, 14, 1870-1885.	9.1	23
31	Cep131 overexpression promotes centrosome amplification and colon cancer progression by regulating Plk4 stability. Cell Death and Disease, 2019, 10, 570.	6.3	23
32	Signaling Pathways Regulated by UBR Box-Containing E3 Ligases. International Journal of Molecular Sciences, 2021, 22, 8323.	4.1	23
33	The arginylation branch of the N-end rule pathway positively regulates cellular autophagic flux and clearance of proteotoxic proteins. Autophagy, 2016, 12, 2197-2212.	9.1	22
34	Mechanism of the natural product moracin-O derived MO-460 and its targeting protein hnRNPA2B1 on HIF-1 α inhibition. Experimental and Molecular Medicine, 2019, 51, 1-14.	7.7	22
35	A Pectate Lyase-Coding Gene Abundantly Expressed during Early Stages of Infection Is Required for Full Virulence in <i>Alternaria brassicicola</i> . PLoS ONE, 2015, 10, e0127140.	2.5	21
36	Psychological stress and cancer. Journal of Analytical Science and Technology, 2015, 6, .	2.1	20

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37	Structural Study of the HD-PTP Bro1 Domain in a Complex with the Core Region of STAM2, a Subunit of ESCRT-0. <i>PLoS ONE</i> , 2016, 11, e0149113.	2.5	20
38	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
39	Regulation of GSK3 cellular location by FRAT modulates mTORC1-dependent cell growth and sensitivity to rapamycin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19523-19529.	7.1	20
40	Polyketides and Anthranilic Acid Possessing 6-Deoxy- β -talopyranose from a <i>Streptomyces</i> Species. <i>Journal of Natural Products</i> , 2017, 80, 1378-1386.	3.0	17
41	Epsilon-Globin HBE1 Enhances Radiotherapy Resistance by Down-Regulating BCL11A in Colorectal Cancer Cells. <i>Cancers</i> , 2019, 11, 498.	3.7	17
42	Regulation of reticulophagy by the N-degron pathway. <i>Autophagy</i> , 2020, 16, 373-375.	9.1	15
43	Inhibition of indoleamine 2,3-dioxygenase by thielavin derivatives from a soil fungus, <i>Coniochaeta</i> sp. 10F058. <i>Journal of Antibiotics</i> , 2014, 67, 331-333.	2.0	14
44	Amino-terminal arginylation as a degradation signal for selective autophagy. <i>BMB Reports</i> , 2015, 48, 487-488.	2.4	14
45	The Novel Small Molecule STK899704 Promotes Senescence of the Human A549 NSCLC Cells by Inducing DNA Damage Responses and Cell Cycle Arrest. <i>Frontiers in Pharmacology</i> , 2018, 9, 163.	3.5	13
46	Phase separation of the Cep63-Cep152 complex underlies the formation of dynamic supramolecular self-assemblies at human centrosomes. <i>Cell Cycle</i> , 2020, 19, 3437-3457.	2.6	12
47	Transcriptional Responses of the Bdtf1-Deletion Mutant to the Phytoalexin Brassinin in the Necrotrophic Fungus <i>Alternaria brassicicola</i> . <i>Molecules</i> , 2014, 19, 10717-10732.	3.8	10
48	Targeted protein degradation via the autophagy-lysosome system: AUTOTAC (AUTOpagy-TArgeting) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	9.1	10
49	Hirsutenone Directly Targets PI3K and ERK to Inhibit Adipogenesis in 3T3-L1 Preadipocytes. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 1361-1370.	2.6	9
50	Selective blockade of cancer cell proliferation and anchorage-independent growth by Plk1 activity-dependent suicidal inhibition of its polo-box domain. <i>Cell Cycle</i> , 2015, 14, 3624-3634.	2.6	9
51	Hirsutenone in <i>Alnus</i> extract inhibits akt activity and suppresses prostate cancer cell proliferation. <i>Molecular Carcinogenesis</i> , 2015, 54, 1354-1362.	2.7	9
52	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
53	Trichostatin A resistance is facilitated by HIF-1 acetylation in HeLa human cervical cancer cells under normoxic conditions. <i>Oncotarget</i> , 2018, 9, 2035-2049.	1.8	9
54	Kushenol E inhibits autophagy and impairs lysosomal positioning via VCP/p97 inhibition. <i>Biochemical Pharmacology</i> , 2020, 175, 113861.	4.4	8

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55	R-catcher, a potent molecular tool to unveil the arginylome. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 3725-3741.	5.4	8
56	Crystal structure of SP-PTP, a low molecular weight protein tyrosine phosphatase from <i>Streptococcus pyogenes</i> . <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 1217-1222.	2.1	7
57	The Fungal Metabolite Brefeldin A Inhibits Dvl2-Plk1-Dependent Primary Cilium Disassembly. <i>Molecules and Cells</i> , 2017, 40, 401-409.	2.6	7
58	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
59	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
60	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
61	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
62	Catenulisporidins A and B, 16-membered macrolides of the hygrolidin family produced by the chemically underexplored actinobacterium <i>Catenulispora</i> species. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127005.	2.2	5
63	A pipecolic acid-rich branched cyclic depsipeptide ulleungamide C from a <i>Streptomyces</i> species induces G0/G1 cell cycle arrest in promyelocytic leukemia cells. <i>Journal of Antibiotics</i> , 2021, 74, 181-189.	2.0	5
64	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
65	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
66	CRM646-A, a Fungal Metabolite, Induces Nucleus Condensation by Increasing Ca ²⁺ Levels in Rat 3Y1 Fibroblast Cells. <i>Journal of Microbiology and Biotechnology</i> , 2020, 30, 31-37.	2.1	1