

Sung Hee Baek

List of Publications by Year in descending order

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57719

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92
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all docs

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docs citations

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times ranked

20186
citing authors

#	ARTICLE	IF	CITATIONS
1	MicroRNA genes are transcribed by RNA polymerase II. EMBO Journal, 2004, 23, 4051-4060.	3.5	3,724
2	Molecular determinants of resistance to antiandrogen therapy. Nature Medicine, 2004, 10, 33-39.	15.2	2,117
3	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50,662 4.3 1,430	4.3	1,430
4	Exchange of N-CoR Corepressor and Tip60 Coactivator Complexes Links Gene Expression by NF- κ B and β 2-Microglobulin. Cell, 2002, 110, 55-67.	13.5	543
5	Identification of a Wnt/Dvl/ β -Catenin β -Catenin Pitx2 Pathway Mediating Cell-Type-Specific Proliferation during Development. Cell, 2002, 111, 673-685.	13.5	519
6	AMPK β -SKP2 β -CARM1 signalling cascade in transcriptional regulation of autophagy. Nature, 2016, 534, 553-557.	13.7	346
7	Transcriptional regulation of a metastasis suppressor gene by Tip60 and β -catenin complexes. Nature, 2005, 434, 921-926.	13.7	283
8	Macrophage/Cancer Cell Interactions Mediate Hormone Resistance by a Nuclear Receptor Derepression Pathway. Cell, 2006, 124, 615-629.	13.5	237
9	Promoter-Specific Roles for Liver X Receptor/Corepressor Complexes in the Regulation of ABCA1 and SREBP1 Gene Expression. Molecular and Cellular Biology, 2003, 23, 5780-5789.	1.1	202
10	EZH2 Generates a Methyl Degron that Is Recognized by the DCAF1/DDB1/CUL4 E3 Ubiquitin Ligase Complex. Molecular Cell, 2012, 48, 572-586.	4.5	200
11	BTB Domain-containing Speckle-type POZ Protein (SPOP) Serves as an Adaptor of Daxx for Ubiquitination by Cul3-based Ubiquitin Ligase. Journal of Biological Chemistry, 2006, 281, 12664-12672.	1.6	178
12	Deubiquitinating Enzymes: Their Diversity and Emerging Roles. Biochemical and Biophysical Research Communications, 1999, 266, 633-640.	1.0	168
13	Temporal regulation of a paired-like homeodomain repressor/TLE corepressor complex and a related activator is required for pituitary organogenesis. Genes and Development, 2001, 15, 3193-3207.	2.7	168
14	Methylation-dependent regulation of HIF-1 α stability restricts retinal and tumour angiogenesis. Nature Communications, 2016, 7, 10347.	5.8	159
15	Modification of ASC1 by UFM1 Is Crucial for ER α Transactivation and Breast Cancer Development. Molecular Cell, 2014, 56, 261-274.	4.5	156
16	Negative Regulation of Hypoxic Responses via Induced Reptin Methylation. Molecular Cell, 2010, 39, 71-85.	4.5	152
17	ROR α Attenuates Wnt/ β -Catenin Signaling by PKC δ -Dependent Phosphorylation in Colon Cancer. Molecular Cell, 2010, 37, 183-195.	4.5	147
18	Versatile protein tag, SUMO: Its enzymology and biological function. Journal of Cellular Physiology, 2002, 191, 257-268.	2.0	142

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19	ROR α Coordinates Reciprocal Signaling in Cerebellar Development through Sonic hedgehog and Calcium-Dependent Pathways. <i>Neuron</i> , 2003, 40, 1119-1131.	3.8	139
20	Regulated subset of G1 growth-control genes in response to derepression by the Wnt pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 3245-3250.	3.3	139
21	Roles of sumoylation of a reptin chromatin-remodelling complex in cancer metastasis. <i>Nature Cell Biology</i> , 2006, 8, 631-639.	4.6	137
22	Two Novel Ubiquitin-fold Modifier 1 (Ufm1)-specific Proteases, UfSP1 and UfSP2. <i>Journal of Biological Chemistry</i> , 2007, 282, 5256-5262.	1.6	135
23	When Signaling Kinases Meet Histones and Histone Modifiers in the Nucleus. <i>Molecular Cell</i> , 2011, 42, 274-284.	4.5	131
24	CD82/KAI1 Maintains the Dormancy of Long-Term Hematopoietic Stem Cells through Interaction with DARC-Expressing Macrophages. <i>Cell Stem Cell</i> , 2016, 18, 508-521.	5.2	130
25	A New SUMO-1-specific Protease, SUSP1, That Is Highly Expressed in Reproductive Organs. <i>Journal of Biological Chemistry</i> , 2000, 275, 14102-14106.	1.6	127
26	Epigenetic Control of Autophagy: Nuclear Events Gain More Attention. <i>Molecular Cell</i> , 2017, 65, 781-785.	4.5	119
27	Lineage conversion methodologies meet the reprogramming toolbox. <i>Nature Cell Biology</i> , 2012, 14, 892-899.	4.6	101
28	Hypoxia-induced methylation of a pontin chromatin remodeling factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13510-13515.	3.3	100
29	ROR α controls hepatic lipid homeostasis via negative regulation of PPAR α transcriptional network. <i>Nature Communications</i> , 2017, 8, 162.	5.8	98
30	Phosphorylation of LSD1 by PKC δ Is Crucial for Circadian Rhythmicity and Phase Resetting. <i>Molecular Cell</i> , 2014, 53, 791-805.	4.5	84
31	Ligand-specific allosteric regulation of coactivator functions of androgen receptor in prostate cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 3100-3105.	3.3	73
32	Roles of Mis18 α in Epigenetic Regulation of Centromeric Chromatin and CENP-A Loading. <i>Molecular Cell</i> , 2012, 46, 260-273.	4.5	71
33	Mouse models for breast cancer metastasis. <i>Biochemical and Biophysical Research Communications</i> , 2010, 394, 443-447.	1.0	70
34	UCH-L1 promotes cancer metastasis in prostate cancer cells through EMT induction. <i>Cancer Letters</i> , 2011, 302, 128-135.	3.2	70
35	SUMO-specific protease SUSP4 positively regulates p53 by promoting Mdm2 self-ubiquitination. <i>Nature Cell Biology</i> , 2006, 8, 1424-1431.	4.6	69
36	DNA Damage-Induced ROR α Is Crucial for p53 Stabilization and Increased Apoptosis. <i>Molecular Cell</i> , 2011, 44, 797-810.	4.5	67

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37	Negative Modulation of RXR α Transcriptional Activity by Small Ubiquitin-related Modifier (SUMO) Modification and Its Reversal by SUMO-specific Protease SUSP1. <i>Journal of Biological Chemistry</i> , 2006, 281, 30669-30677.	1.6	65
38	PKC α -LSD1-NF- κ B-Signaling Cascade Is Crucial for Epigenetic Control of the Inflammatory Response. <i>Molecular Cell</i> , 2018, 69, 398-411.e6.	4.5	64
39	SUMOylation of pontin chromatin-remodeling complex reveals a signal integration code in prostate cancer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20793-20798.	3.3	61
40	Enhancing inhibitory synaptic function reverses spatial memory deficits in Shank2 mutant mice. <i>Neuropharmacology</i> , 2017, 112, 104-112.	2.0	56
41	A Novel Link Between SUMO Modification and Cancer Metastasis. <i>Cell Cycle</i> , 2006, 5, 1492-1495.	1.3	55
42	Breast cancer metastasis suppressor 1 (BRMS1) is destabilized by the Cul3 α -SPOP E3 ubiquitin ligase complex. <i>Biochemical and Biophysical Research Communications</i> , 2011, 415, 720-726.	1.0	53
43	Epigenetic and transcriptional regulation of autophagy. <i>Autophagy</i> , 2016, 12, 2248-2249.	4.3	52
44	ROR α is crucial for attenuated inflammatory response to maintain intestinal homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21140-21149.	3.3	52
45	Roles of lysine-specific demethylase 1 (LSD1) in homeostasis and diseases. <i>Journal of Biomedical Science</i> , 2021, 28, 41.	2.6	48
46	ULK1 O-GlcNAcylation Is Crucial for Activating VPS34 via ATG14L during Autophagy Initiation. <i>Cell Reports</i> , 2018, 25, 2878-2890.e4.	2.9	46
47	Antagonistic regulation of myogenesis by two deubiquitinating enzymes, UBP45 and UBP69. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9733-9738.	3.3	44
48	SUMOylation of ROR α potentiates transcriptional activation function. <i>Biochemical and Biophysical Research Communications</i> , 2009, 378, 513-517.	1.0	43
49	Molecular Cloning of a Novel Ubiquitin-specific Protease, UBP41, with Isopeptidase Activity in Chick Skeletal Muscle. <i>Journal of Biological Chemistry</i> , 1997, 272, 25560-25565.	1.6	40
50	Distinctive Roles of the Two ATP-binding Sites in ClpA, the ATPase Component of Protease T α in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1995, 270, 8087-8092.	1.6	39
51	Bcl3-dependent stabilization of CtBP1 is crucial for the inhibition of apoptosis and tumor progression in breast cancer. <i>Biochemical and Biophysical Research Communications</i> , 2010, 400, 396-402.	1.0	39
52	Sumoylation and Its Contribution to Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2017, 963, 283-298.	0.8	39
53	The AAA+ proteins Pontin and Reptin enter adult age: from understanding their basic biology to the identification of selective inhibitors. <i>Frontiers in Molecular Biosciences</i> , 2015, 2, 17.	1.6	37
54	Pontin arginine methylation by CARM1 is crucial for epigenetic regulation of autophagy. <i>Nature Communications</i> , 2020, 11, 6297.	5.8	36

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55	Induction of cellular apoptosis in human breast cancer by DLBS1425, a <i>Phaleria macrocarpa</i> compound extract, via down-regulation of PI3-kinase/AKT pathway. <i>Cancer Biology and Therapy</i> , 2010, 10, 814-823.	1.5	32
56	Emerging Roles of Orphan Nuclear Receptors in Cancer. <i>Annual Review of Physiology</i> , 2014, 76, 177-195.	5.6	32
57	Nuclear receptor coregulators: their modification codes and regulatory mechanism by translocation. <i>Biochemical and Biophysical Research Communications</i> , 2004, 319, 707-714.	1.0	29
58	KDM3A histone demethylase functions as an essential factor for activation of JAK2 ⁺ STAT3 signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 11766-11771.	3.3	29
59	The hidden switches underlying ROR α -mediated circuits that critically regulate uncontrolled cell proliferation. <i>Journal of Molecular Cell Biology</i> , 2014, 6, 338-348.	1.5	27
60	Regulation of HIF-1 α stability by lysine methylation. <i>BMB Reports</i> , 2016, 49, 245-246.	1.1	25
61	Pontin functions as an essential coactivator for Oct4-dependent lincRNA expression in mouse embryonic stem cells. <i>Nature Communications</i> , 2015, 6, 6810.	5.8	24
62	Elevated Response to Type I IFN Enhances RANKL-Mediated Osteoclastogenesis in Usp18-Knockout Mice. <i>Journal of Immunology</i> , 2016, 196, 3887-3895.	0.4	24
63	PHF7 Modulates BRDT Stability and Histone-to-Protamine Exchange during Spermiogenesis. <i>Cell Reports</i> , 2020, 32, 107950.	2.9	23
64	Chapter 7 Small Ubiquitin-Like Modifiers in Cellular Malignancy and Metastasis. <i>International Review of Cell and Molecular Biology</i> , 2009, 273, 265-311.	1.6	22
65	Protein Kinase C δ -Mediated Recycling of Active KIT in Colon Cancer. <i>Clinical Cancer Research</i> , 2013, 19, 4961-4971.	3.2	22
66	PKC δ -mediated phosphorylation of LSD1 is required for presynaptic plasticity and hippocampal learning and memory. <i>Scientific Reports</i> , 2017, 7, 4912.	1.6	22
67	The role of nuclear PKM ζ in memory maintenance. <i>Neurobiology of Learning and Memory</i> , 2016, 135, 50-56.	1.0	21
68	Unraveling the physiological roles of retinoic acid receptor-related orphan receptor α . <i>Experimental and Molecular Medicine</i> , 2021, 53, 1278-1286.	3.2	19
69	Nuclear receptors and coregulators in inflammation and cancer. <i>Cancer Letters</i> , 2008, 267, 189-196.	3.2	18
70	Identification of the KAI1 metastasis suppressor gene as a hypoxia target gene. <i>Biochemical and Biophysical Research Communications</i> , 2010, 393, 179-184.	1.0	18
71	KAI1 (CD82) is a key molecule to control angiogenesis and switch angiogenic milieu to quiescent state. <i>Journal of Hematology and Oncology</i> , 2021, 14, 148.	6.9	18
72	Isolation and Characterization of Cytosolic and Membrane-Bound Deubiquitylating Enzymes from Bovine Brain. <i>Journal of Biochemistry</i> , 1999, 126, 612-623.	0.9	16

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73	The chromatin-binding protein PHF6 functions as an E3 ubiquitin ligase of H2BK120 via H2BK12Ac recognition for activation of trophectodermal genes. <i>Nucleic Acids Research</i> , 2020, 48, 9037-9052.	6.5	15
74	When ATPases Pontin and Reptin Met Telomerase. <i>Developmental Cell</i> , 2008, 14, 459-461.	3.1	12
75	Inhibition of LSD1 phosphorylation alleviates colitis symptoms induced by dextran sulfate sodium. <i>BMB Reports</i> , 2020, 53, 385-390.	1.1	11
76	A method for assaying deubiquitinating enzymes. <i>Biological Procedures Online</i> , 1998, 1, 92-99.	1.4	9
77	ROR α 2 requires LSD1 to enhance tumor progression in breast cancer. <i>Scientific Reports</i> , 2017, 7, 11994.	1.6	9
78	<i>Tsp66E</i> , the <i>Drosophila KAI1</i> homologue, and <i>Tsp74F</i> function to regulate ovarian follicle cell and wing development by stabilizing integrin localization. <i>FEBS Letters</i> , 2012, 586, 4031-4037.	1.3	8
79	β TrCP-mediated ubiquitylation regulates protein stability of Mis18 β in a cell cycle-dependent manner. <i>Biochemical and Biophysical Research Communications</i> , 2014, 443, 62-67.	1.0	8
80	Molecular Cloning of Chick UCH-6 Which Shares High Similarity with Human UCH-L3: Its Unusual Substrate Specificity and Tissue Distribution. <i>Biochemical and Biophysical Research Communications</i> , 1999, 264, 235-240.	1.0	7
81	PHF20 is crucial for epigenetic control of starvation-induced autophagy through enhancer activation. <i>Nucleic Acids Research</i> , 2022, 50, 7856-7872.	6.5	6
82	Skin-Specific Deletion of Mis18 β Impedes Proliferation and Stratification of Epidermal Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2017, 137, 414-421.	0.3	5
83	Epigenetic regulation of the hypoxic response. <i>Current Opinion in Physiology</i> , 2019, 7, 1-8.	0.9	5
84	Protocol for isolation of spermatids from mouse testes. <i>STAR Protocols</i> , 2021, 2, 100254.	0.5	5
85	Mitosis-specific phosphorylation of Mis18 β by Aurora B kinase enhances kinetochore recruitment of polo-like kinase 1. <i>Oncotarget</i> , 2018, 9, 1563-1576.	0.8	5
86	Pontin is required for pre-TCR signaling at the β 2-selection checkpoint in T cell development. <i>Biochemical and Biophysical Research Communications</i> , 2014, 447, 44-50.	1.0	4
87	Lysine-specific demethylase 3A is important for autophagic occurrence. <i>Biochemical and Biophysical Research Communications</i> , 2020, 526, 176-183.	1.0	3
88	Epigenetic Regulation in Breast Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1187, 103-119.	0.8	3
89	Systemic approaches using single cell transcriptome reveal that C/EBP β 3 regulates autophagy under amino acid starved condition. <i>Nucleic Acids Research</i> , 2022, 50, 7298-7309.	6.5	3
90	KAI1(CD82)-DARC(CD234) axis in the stem cell niche. <i>Cell Cycle</i> , 2016, 15, 1945-1947.	1.3	2

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91	Pontin-deficiency causes senescence in fibroblast cells and epidermal keratinocytes but induces apoptosis in cancer cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2020, 1867, 118740.	1.9	1
92	Nuclear receptor coregulators: their modification codes and regulatory mechanism by translocation. <i>Biochemical and Biophysical Research Communications</i> , 2004, 319, 707-707.	1.0	0
93	Shedding light on the DARC knight as a guardian of hematopoietic stem cell quiescence. <i>Stem Cell Investigation</i> , 2017, 4, 8-8.	1.3	0