

Rho Hyun Seong

List of Publications by Year in descending order

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81
papers

2,340
citations

218592

26
h-index

243529

44
g-index

82
all docs

82
docs citations

82
times ranked

3681
citing authors

#	ARTICLE	IF	CITATIONS
1	Srg3, a Mouse Homolog of Yeast SWI3, Is Essential for Early Embryogenesis and Involved in Brain Development. <i>Molecular and Cellular Biology</i> , 2001, 21, 7787-7795.	1.1	181
2	An Ikaros-Containing Chromatin-Remodeling Complex in Adult-Type Erythroid Cells. <i>Molecular and Cellular Biology</i> , 2000, 20, 7572-7582.	1.1	156
3	A Novel Function of Adipocytes in Lipid Antigen Presentation to iNKT Cells. <i>Molecular and Cellular Biology</i> , 2013, 33, 328-339.	1.1	108
4	Loss of BAF (mSWI/SNF) Complexes Causes Global Transcriptional and Chromatin State Changes in Forebrain Development. <i>Cell Reports</i> , 2015, 13, 1842-1854.	2.9	98
5	Transferrin receptor regulates pancreatic cancer growth by modulating mitochondrial respiration and ROS generation. <i>Biochemical and Biophysical Research Communications</i> , 2016, 471, 373-379.	1.0	89
6	Signal for T-cell differentiation to a CD4 cell lineage is delivered by CD4 transmembrane region and/or cytoplasmic tail. <i>Nature</i> , 1992, 356, 718-720.	13.7	87
7	SRG3 Interacts Directly with the Major Components of the SWI/SNF Chromatin Remodeling Complex and Protects Them from Proteasomal Degradation. <i>Journal of Biological Chemistry</i> , 2007, 282, 10614-10624.	1.6	86
8	BAF60a Interacts with p53 to Recruit the SWI/SNF Complex. <i>Journal of Biological Chemistry</i> , 2008, 283, 11924-11934.	1.6	85
9	Positive-negative selection gene targeting with the diphtheria toxin A-chain gene in mouse embryonic stem cells. <i>Transgenic Research</i> , 1993, 2, 183-190.	1.3	64
10	Twist2, a novel ADD1/SREBP1c interacting protein, represses the transcriptional activity of ADD1/SREBP1c. <i>Nucleic Acids Research</i> , 2003, 31, 7165-7174.	6.5	54
11	Heat Shock 70-kDa Protein 8 Isoform 1 Is Expressed on the Surface of Human Embryonic Stem Cells and Downregulated upon Differentiation. <i>Stem Cells</i> , 2005, 23, 1502-1513.	1.4	54
12	The SWI/SNF-like BAF Complex Is Essential for Early B Cell Development. <i>Journal of Immunology</i> , 2012, 188, 3791-3803.	0.4	54
13	Epigenetic Regulation by BAF Complexes Limits Neural Stem Cell Proliferation by Suppressing Wnt Signaling in Late Embryonic Development. <i>Stem Cell Reports</i> , 2018, 10, 1734-1750.	2.3	50
14	SIRT4 regulates cancer cell survival and growth after stress. <i>Biochemical and Biophysical Research Communications</i> , 2016, 470, 251-256.	1.0	49
15	A New Mouse Gene, SRG3, Related to the SWI3 of <i>Saccharomyces cerevisiae</i> , Is Required for Apoptosis Induced by Glucocorticoids in a Thymoma Cell Line. <i>Journal of Experimental Medicine</i> , 1997, 185, 1827-1836.	4.2	46
16	mSWI/SNF (BAF) Complexes Are Indispensable for the Neurogenesis and Development of Embryonic Olfactory Epithelium. <i>PLoS Genetics</i> , 2016, 12, e1006274.	1.5	46
17	SRG3, a core component of mouse SWI/SNF complex, is essential for extra-embryonic vascular development. <i>Developmental Biology</i> , 2008, 315, 136-146.	0.9	38
18	DNA Aptamers against the Receptor Binding Region of Hemagglutinin Prevent Avian Influenza Viral Infection. <i>Molecules and Cells</i> , 2011, 32, 527-534.	1.0	38

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19	Inositol polyphosphate multikinase promotes Toll-like receptor-induced inflammation by stabilizing TRAF6. <i>Science Advances</i> , 2017, 3, e1602296.	4.7	37
20	Chromatin remodeling, development and disease. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 647, 59-67.	0.4	36
21	Chromatin Remodeling Complex Interacts with ADD1/SREBP1c To Mediate Insulin-Dependent Regulation of Gene Expression. <i>Molecular and Cellular Biology</i> , 2007, 27, 438-452.	1.1	35
22	Peripheral T Cells Become Sensitive to Glucocorticoid- and Stress-Induced Apoptosis in Transgenic Mice Overexpressing SRG3. <i>Journal of Immunology</i> , 2001, 167, 805-810.	0.4	33
23	ROR γ t-specific transcriptional interactomic inhibition suppresses autoimmunity associated with T _H 17 cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18673-18678.	3.3	33
24	BAF chromatin remodelling complex is an epigenetic regulator of lineage specification in the early mouse embryo. <i>Development (Cambridge)</i> , 2016, 143, 1271-83.	1.2	32
25	Chromatin Remodeling BAF155 Subunit Regulates the Genesis of Basal Progenitors in Developing Cortex. <i>Science</i> , 2018, 4, 109-126.	1.9	32
26	The Fos-Related Antigen 1/JUNB/Activator Protein 1 Transcription Complex, a Downstream Target of Signal Transducer and Activator of Transcription 3, Induces T Helper 17 Differentiation and Promotes Experimental Autoimmune Arthritis. <i>Frontiers in Immunology</i> , 2017, 8, 1793.	2.2	31
27	Modulation of Androgen Receptor Transactivation by the SWI3-Related Gene Product (SRG3) in Multiple Ways. <i>Molecular and Cellular Biology</i> , 2005, 25, 4841-4852.	1.1	30
28	CD7 expression and galectin-1-induced apoptosis of immature thymocytes are directly regulated by NF- κ B upon T-cell activation. <i>Biochemical and Biophysical Research Communications</i> , 2008, 370, 149-153.	1.0	28
29	Brief Report: L1 Cell Adhesion Molecule, a Novel Surface Molecule of Human Embryonic Stem cells, Is Essential for Self-Renewal and Pluripotency. <i>Stem Cells</i> , 2011, 29, 2094-2099.	1.4	27
30	MicroRNA-139-5p regulates proliferation of hematopoietic progenitors and is repressed during BCR-ABL-mediated leukemogenesis. <i>Blood</i> , 2016, 128, 2117-2129.	0.6	27
31	Enhanced mitochondrial glutamine anaplerosis suppresses pancreatic cancer growth through autophagy inhibition. <i>Scientific Reports</i> , 2016, 6, 30767.	1.6	26
32	Identification of regulatory modules by co-clustering latent variable models: stem cell differentiation. <i>Bioinformatics</i> , 2006, 22, 2005-2011.	1.8	25
33	Twist2 Regulates CD7 Expression and Galectin-1-Induced Apoptosis in Mature T-Cells. <i>Molecules and Cells</i> , 2009, 28, 553-558.	1.0	25
34	The SWI/SNF Chromatin-remodeling Complex Modulates Peripheral T Cell Activation and Proliferation by Controlling AP-1 Expression. <i>Journal of Biological Chemistry</i> , 2010, 285, 2340-2350.	1.6	23
35	The SWI/SNF chromatin remodeling complex regulates germinal center formation by repressing Blimp-1 expression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E718-27.	3.3	23
36	T Cell Receptor Signaling Inhibits Glucocorticoid-induced Apoptosis by Repressing the SRG3 Expression via Ras Activation. <i>Journal of Biological Chemistry</i> , 2004, 279, 21903-21915.	1.6	22

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37	Anteroposterior Limb Skeletal Patterning Requires the Bifunctional Action of SWI/SNF Chromatin Remodeling Complex in Hedgehog Pathway. <i>PLoS Genetics</i> , 2016, 12, e1005915.	1.5	21
38	Hrp3, a chromodomain helicase/ATPase DNA binding protein, is required for heterochromatin silencing in fission yeast. <i>Biochemical and Biophysical Research Communications</i> , 2002, 295, 970-974.	1.0	20
39	Foxp3 expression in induced regulatory T cells is stabilized by C/EBP in inflammatory environments. <i>EMBO Reports</i> , 2018, 19, .	2.0	20
40	Differential expression of the rhp51+ gene, a recA and RAD51 homolog from the fission yeast <i>Schizosaccharomyces pombe</i> . <i>Gene</i> , 1996, 169, 125-130.	1.0	19
41	E2A/HEB and Id3 Proteins Control the Sensitivity to Glucocorticoid-induced Apoptosis in Thymocytes by Regulating the SRG3 Expression. <i>Journal of Biological Chemistry</i> , 2004, 279, 21916-21923.	1.6	19
42	Identification and expression of uvi31+, a UV-inducible gene from <i>Schizosaccharomyces pombe</i> . , 1997, 30, 72-81.		18
43	Sp1 mediates cell proliferation-dependent regulation of rat DNA topoisomerase III β gene promoter. <i>Biochemical Journal</i> , 1999, 344, 367-374.	1.7	18
44	Characterization of uvi15 +, a stress-inducible gene from <i>Schizosaccharomyces pombe</i> . <i>Molecular Genetics and Genomics</i> , 1995, 246, 663-670.	2.4	17
45	Characterization of a novel mouse cDNA, ES18, involved in apoptotic cell death of T-cells. <i>Nucleic Acids Research</i> , 1999, 27, 1524-1530.	6.5	17
46	TopBP1 deficiency impairs V(D)J recombination during lymphocyte development. <i>EMBO Journal</i> , 2014, 33, n/a-n/a.	3.5	17
47	Inositol polyphosphates promote T cell-independent humoral immunity via the regulation of Bruton's tyrosine kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12952-12957.	3.3	17
48	ROR γ t-driven TH17 Cell Differentiation Requires Epigenetic Control by the Swi/Snf Chromatin Remodeling Complex. <i>iScience</i> , 2020, 23, 101106.	1.9	16
49	H3 acetylation selectively promotes basal progenitor proliferation and neocortex expansion. <i>Science Advances</i> , 2021, 7, eabc6792.	4.7	16
50	Activation of natural killer T cells inhibits the development of induced regulatory T cells via IFN γ . <i>Biochemical and Biophysical Research Communications</i> , 2011, 411, 599-606.	1.0	14
51	Down-Regulation of the SWI/SNF Chromatin Remodeling Activity by TCR Signaling Is Required for Proper Thymocyte Maturation. <i>Journal of Immunology</i> , 2007, 178, 7088-7096.	0.4	13
52	Physical Interaction between Recombinational Proteins Rhp51 and Rad22 in <i>Schizosaccharomyces pombe</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 30264-30270.	1.6	12
53	Foxp3 ⁺ regulatory T cells ensure B lymphopoiesis by inhibiting the granulopoietic activity of effector T cells in mouse bone marrow. <i>European Journal of Immunology</i> , 2015, 45, 167-179.	1.6	12
54	Twist2-driven chromatin remodeling governs the postnatal maturation of dermal fibroblasts. <i>Cell Reports</i> , 2022, 39, 110821.	2.9	12

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55	SRG3/mBAF155 stabilizes the SWI/SNF-like BAF complex by blocking CHFR mediated ubiquitination and degradation of its major components. <i>Biochemical and Biophysical Research Communications</i> , 2012, 418, 512-517.	1.0	11
56	Rdp1, a Novel Zinc Finger Protein, Regulates the DNA Damage Response of rhp51 + from <i>Schizosaccharomyces pombe</i> . <i>Molecular and Cellular Biology</i> , 2000, 20, 8958-8968.	1.1	10
57	The stress-activated MAP kinase Sty1/Spc1 and a 3'-regulatory element mediate UV-induced expression of the uvi15+ gene at the post-transcriptional level. <i>Nucleic Acids Research</i> , 2000, 28, 3392-3402.	6.5	10
58	Isolation and Characterization of the Promoter Region of the Rat DNA Topoisomerase II \pm Gene1. <i>Journal of Biochemistry</i> , 1995, 118, 725-733.	0.9	9
59	Nitric Oxide Inhibits Glucocorticoid-induced Apoptosis of Thymocytes by Repressing the SRG3 Expression. <i>Journal of Biological Chemistry</i> , 2004, 279, 34373-34379.	1.6	8
60	Ubiquitous Over-Expression of Chromatin Remodeling Factor SRG3 Ameliorates the T Cell-Mediated Exacerbation of EAE by Modulating the Phenotypes of both Dendritic Cells and Macrophages. <i>PLoS ONE</i> , 2015, 10, e0132329.	1.1	8
61	Expression of SRG3, a core component of mouse SWI/SNF chromatin-remodeling complex, is regulated by cooperative interactions between Sp1/Sp3 and Ets transcription factors. <i>Biochemical and Biophysical Research Communications</i> , 2005, 338, 1435-1446.	1.0	7
62	Ubiquitous Overexpression of Chromatin Remodeling Factor SRG3 Exacerbates Atopic Dermatitis in NC/Nga Mice by Enhancing Th2 Immune Responses. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1553.	1.8	7
63	Chromatin Regulator SRG3 Overexpression Protects against LPS/D-GalN-Induced Sepsis by Increasing IL10-Producing Macrophages and Decreasing IFN γ -Producing NK Cells in the Liver. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3043.	1.8	7
64	Rescuing Developing Thymocytes from Death by Neglect. <i>BMB Reports</i> , 2002, 35, 7-18.	1.1	7
65	Bap1/SMN axis in Dpp4+ skeletal muscle mesenchymal cells regulates the neuromuscular system. <i>JCI Insight</i> , 2022, 7, .	2.3	7
66	Requisite Chromatin Remodeling for Myeloid and Erythroid Lineage Differentiation from Erythromyeloid Progenitors. <i>Cell Reports</i> , 2020, 33, 108395.	2.9	6
67	Sp1 mediates cell proliferation-dependent regulation of rat DNA topoisomerase II \pm gene promoter. <i>Biochemical Journal</i> , 1999, 344, 367.	1.7	5
68	The Chromatin Accessibility Landscape of Nonalcoholic Fatty Liver Disease Progression. <i>Molecules and Cells</i> , 2022, 45, 343-352.	1.0	5
69	CD4 and CD8 in T cell lineage commitment: alterations induced by expression of a CD8/CD4 chimeric transgene. <i>Seminars in Immunology</i> , 1994, 6, 221-229.	2.7	4
70	Purification and characterization of Hrp1, a Homolog of Mouse CHD1 from the fission yeastschizosaccharomyces pombe. <i>Korean Journal of Biological Sciences</i> , 1998, 2, 539-543.	0.1	4
71	Twist2 promotes CD8+ T-cell differentiation by repressing ThPOK expression. <i>Cell Death and Differentiation</i> , 2020, 27, 3053-3064.	5.0	4
72	BAP1 shapes the bone marrow niche for lymphopoiesis by fine-tuning epigenetic profiles in endosteal mesenchymal stromal cells. <i>Cell Death and Differentiation</i> , 2022, 29, 2151-2162.	5.0	4

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73	Differentiation and homeostasis of effector Treg cells are regulated by inositol polyphosphates modulating Ca ²⁺ influx. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	4
74	A Coil-to-Helix Transition Serves as a Binding Motif for hSNF5 and BAF155 Interaction. International Journal of Molecular Sciences, 2020, 21, 2452.	1.8	3
75	Induction of cytotoxic T lymphocyte response against the core and NS3 genes of the hepatitis C virus in Balb/c mice. Korean Journal of Biological Sciences, 1999, 3, 337-341.	0.1	2
76	Down-regulation of Tcf-1 expression by activation-induced apoptosis of T cell Hybridoma. Korean Journal of Biological Sciences, 1998, 2, 403-410.	0.1	1
77	Identification of the DNA damage-responsive elements of the. Molecular Genetics and Genomics, 1996, 251, 167.	2.4	1
78	Chimeric protein of CD8a extracellular domain and CD4 transmembrane and cytoplasmic domain binds more efficiently to p56lck than CD8a. Korean Journal of Biological Sciences, 1999, 3, 331-336.	0.1	0
79	Overexpression of SRG3/SWI3 protein disrupts the cell cycle progression in mature t cells and yeast. Korean Journal of Biological Sciences, 2002, 6, 335-339.	0.1	0
80	Normal Adult Hippocampal Neurogenesis in SRG3-overexpressing Transgenic Mice. Experimental Neurobiology, 2010, 19, 39-48.	0.7	0
81	¹ H, ¹⁵ N, and ¹³ C Resonance Assignments and Secondary Structure of the SWIRM Domain of Human BAF155, a Chromatin Remodeling Complex Component. Molecules and Cells, 2013, 36, 333-339.	1.0	0