Rho Hyun Seong

List of Publications by Year
in descending order

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	The Chromatin Accessibility Landscape of Nonalcoholic Fatty Liver Disease Progression. Molecules and Cells, 2022, 45, 343-352.	1.0	5
2	BAP1 shapes the bone marrow niche for lymphopoiesis by fine-tuning epigenetic profiles in endosteal mesenchymal stromal cells. Cell Death and Differentiation, 2022, 29, 2151-2162.	5.0	4
3	Twist2-driven chromatin remodeling governs the postnatal maturation of dermal fibroblasts. Cell Reports, 2022, 39, 110821.	2.9	12
4	Bap1/SMN axis in Dpp4+ skeletal muscle mesenchymal cells regulates the neuromuscular system. JCI Insight, 2022, 7, .	2.3	7
5	Differentiation and homeostasis of effector Treg cells are regulated by inositol polyphosphates modulating Ca²⁺influx. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	4
6	Ubiquitous Overexpression of Chromatin Remodeling Factor SRG3 Exacerbates Atopic Dermatitis in NC/Nga Mice by Enhancing Th2 Immune Responses. International Journal of Molecular Sciences, 2021, 22, 1553.	1.8	7
7	Chromatin Regulator SRG3 Overexpression Protects against LPS/D-GalN-Induced Sepsis by Increasing IL10-Producing Macrophages and Decreasing IFNÎ³-Producing NK Cells in the Liver. International Journal of Molecular Sciences, 2021, 22, 3043.	1.8	7
8	H3 acetylation selectively promotes basal progenitor proliferation and neocortex expansion. Science Advances, 2021, 7, eabc6792.	4.7	16
9	RORÎ³t-driven TH17 Cell Differentiation Requires Epigenetic Control by the Swi/Snf Chromatin Remodeling Complex. IScience, 2020, 23, 101106.	1.9	16
10	Requisite Chromatin Remodeling for Myeloid and Erythroid Lineage Differentiation from Erythromyeloid Progenitors. Cell Reports, 2020, 33, 108395.	2.9	6
11	Twist2 promotes CD8+ T-cell differentiation by repressing ThPOK expression. Cell Death and Differentiation, 2020, 27, 3053-3064.	5.0	4
12	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
13	Inositol polyphosphates promote T cell-independent humoral immunity via the regulation of Brutonâ€™s tyrosine kinase. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12952-12957.	3.3	17
14	Foxp3 expression in induced regulatory T cells is stabilized by C/EBP in inflammatory environments. EMBO Reports, 2018, 19, .	2.0	20
15	Chromatin Remodeling BAF155 Subunit Regulates the Genesis of Basal Progenitors in Developing Cortex. IScience, 2018, 4, 109-126.	1.9	32
16	Epigenetic Regulation by BAF Complexes Limits Neural Stem Cell Proliferation by Suppressing Wnt Signaling in Late Embryonic Development. Stem Cell Reports, 2018, 10, 1734-1750.	2.3	50
17	Inositol polyphosphate multikinase promotes Toll-like receptorâ€“induced inflammation by stabilizing TRAF6. Science Advances, 2017, 3, e1602296.	4.7	37
18	The Fos-Related Antigen 1â€“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. Frontiers in Immunology, 2017, 8, 1793.	2.2	31

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19	Anteroposterior Limb Skeletal Patterning Requires the Bifunctional Action of SWI/SNF Chromatin Remodeling Complex in Hedgehog Pathway. PLoS Genetics, 2016, 12, e1005915.	1.5	21
20	mSWI/SNF (BAF) Complexes Are Indispensable for the Neurogenesis and Development of Embryonic Olfactory Epithelium. PLoS Genetics, 2016, 12, e1006274.	1.5	46
21	Enhanced mitochondrial glutamine anaplerosis suppresses pancreatic cancer growth through autophagy inhibition. Scientific Reports, 2016, 6, 30767.	1.6	26
22	MicroRNA-139-5p regulates proliferation of hematopoietic progenitors and is repressed during BCR-ABLâ€“mediated leukemogenesis. Blood, 2016, 128, 2117-2129.	0.6	27
23	SIRT4 regulates cancer cell survival and growth after stress. Biochemical and Biophysical Research Communications, 2016, 470, 251-256.	1.0	49
24	Transferrin receptor regulates pancreatic cancer growth by modulating mitochondrial respiration and ROS generation. Biochemical and Biophysical Research Communications, 2016, 471, 373-379.	1.0	89
25	BAF chromatin remodelling complex is an epigenetic regulator of lineage specification in the early mouse embryo. Development (Cambridge), 2016, 143, 1271-83.	1.2	32
26	Foxp3⁺ regulatory T cells ensure B lymphopoiesis by inhibiting the granulopoietic activity of effector T cells in mouse bone marrow. European Journal of Immunology, 2015, 45, 167-179.	1.6	12
27	Loss of BAF (mSWI/SNF) Complexes Causes Global Transcriptional and Chromatin State Changes in Forebrain Development. Cell Reports, 2015, 13, 1842-1854.	2.9	98
28	The SWI/SNF chromatin remodeling complex regulates germinal center formation by repressing Blimp-1 expression. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E718-27.	3.3	23
29	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. PLoS ONE, 2015, 10, e0132329.	1.1	8
30	RORÎ³t-specific transcriptional interactomic inhibition suppresses autoimmunity associated with T _H 17 cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18673-18678.	3.3	33
31	TopBP1 deficiency impairs V(D)J recombination during lymphocyte development. EMBO Journal, 2014, 33, n/a-n/a.	3.5	17
32	1H, 15N, and 13C Resonance Assignments and Secondary Structure of the SWIRM Domain of Human BAF155, a Chromatin Remodeling Complex Componente. Molecules and Cells, 2013, 36, 333-339.	1.0	0
33	A Novel Function of Adipocytes in Lipid Antigen Presentation to iNKT Cells. Molecular and Cellular Biology, 2013, 33, 328-339.	1.1	108
34	The SWI/SNF-like BAF Complex Is Essential for Early B Cell Development. Journal of Immunology, 2012, 188, 3791-3803.	0.4	54
35	SRG3/mBAF155 stabilizes the SWI/SNF-like BAF complex by blocking CHFR mediated ubiquitination and degradation of its major components. Biochemical and Biophysical Research Communications, 2012, 418, 512-517.	1.0	11
36	Activation of natural killer T cells inhibits the development of induced regulatory T cells via IFNÎ³. Biochemical and Biophysical Research Communications, 2011, 411, 599-606.	1.0	14

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37	DNA Aptamers against the Receptor Binding Region of Hemagglutinin Prevent Avian Influenza Viral Infection. Molecules and Cells, 2011, 32, 527-534.	1.0	38
38	Brief Report: L1 Cell Adhesion Molecule, a Novel Surface Molecule of Human Embryonic Stem cells, Is Essential for Self-Renewal and Pluripotency. Stem Cells, 2011, 29, 2094-2099.	1.4	27
39	Normal Adult Hippocampal Neurogenesis in SRG3-overexpressing Transgenic Mice. Experimental Neurobiology, 2010, 19, 39-48.	0.7	0
40	The SWI/SNF Chromatin-remodeling Complex Modulates Peripheral T Cell Activation and Proliferation by Controlling AP-1 Expression. Journal of Biological Chemistry, 2010, 285, 2340-2350.	1.6	23
41	Twist2 Regulates CD7 Expression and Galectin-1-Induced Apoptosis in Mature T-Cells. Molecules and Cells, 2009, 28, 553-558.	1.0	25
42	Chromatin remodeling, development and disease. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2008, 647, 59-67.	0.4	36
43	CD7 expression and galectin-1-induced apoptosis of immature thymocytes are directly regulated by NF-ÎºB upon T-cell activation. Biochemical and Biophysical Research Communications, 2008, 370, 149-153.	1.0	28
44	SRG3, a core component of mouse SWI/SNF complex, is essential for extra-embryonic vascular development. Developmental Biology, 2008, 315, 136-146.	0.9	38
45	BAF60a Interacts with p53 to Recruit the SWI/SNF Complex. Journal of Biological Chemistry, 2008, 283, 11924-11934.	1.6	85
46	Down-Regulation of the SWI/SNF Chromatin Remodeling Activity by TCR Signaling Is Required for Proper Thymocyte Maturation. Journal of Immunology, 2007, 178, 7088-7096.	0.4	13
47	SRG3 Interacts Directly with the Major Components of the SWI/SNF Chromatin Remodeling Complex and Protects Them from Proteasomal Degradation. Journal of Biological Chemistry, 2007, 282, 10614-10624.	1.6	86
48	Chromatin Remodeling Complex Interacts with ADD1/SREBP1c To Mediate Insulin-Dependent Regulation of Gene Expression. Molecular and Cellular Biology, 2007, 27, 438-452.	1.1	35
49	Identification of regulatory modules by co-clustering latent variable models: stem cell differentiation. Bioinformatics, 2006, 22, 2005-2011.	1.8	25
50	Heat Shock 70-kDa Protein 8 Isoform 1 Is Expressed on the Surface of Human Embryonic Stem Cells and Downregulated upon Differentiation. Stem Cells, 2005, 23, 1502-1513.	1.4	54
51	Modulation of Androgen Receptor Transactivation by the SWI3-Related Gene Product (SRG3) in Multiple Ways. Molecular and Cellular Biology, 2005, 25, 4841-4852.	1.1	30
52	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. Biochemical and Biophysical Research Communications, 2005, 338, 1435-1446.	1.0	7
53	E2A/HEB and Id3 Proteins Control the Sensitivity to Glucocorticoid-induced Apoptosis in Thymocytes by Regulating the SRG3 Expression. Journal of Biological Chemistry, 2004, 279, 21916-21923.	1.6	19
54	T Cell Receptor Signaling Inhibits Glucocorticoid-induced Apoptosis by Repressing the SRG3 Expression via Ras Activation. Journal of Biological Chemistry, 2004, 279, 21903-21915.	1.6	22

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55	Nitric Oxide Inhibits Glucocorticoid-induced Apoptosis of Thymocytes by Repressing the SRG3 Expression. Journal of Biological Chemistry, 2004, 279, 34373-34379.	1.6	8
56	Twist2, a novel ADD1/SREBP1c interacting protein, represses the transcriptional activity of ADD1/SREBP1c. Nucleic Acids Research, 2003, 31, 7165-7174.	6.5	54
57	Physical Interaction between Recombinational Proteins Rhp51 and Rad22 in Schizosaccharomyces pombe. Journal of Biological Chemistry, 2002, 277, 30264-30270.	1.6	12
58	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
59	Hrp3, a chromodomain helicase/ATPase DNA binding protein, is required for heterochromatin silencing in fission yeast. Biochemical and Biophysical Research Communications, 2002, 295, 970-974.	1.0	20
60	Rescuing Developing Thymocytes from Death by Neglect. BMB Reports, 2002, 35, 7-18.	1.1	7
61	Peripheral T Cells Become Sensitive to Glucocorticoid- and Stress-Induced Apoptosis in Transgenic Mice Overexpressing SRG3. Journal of Immunology, 2001, 167, 805-810.	0.4	33
62	Srg3, a Mouse Homolog of Yeast SWI3, Is Essential for Early Embryogenesis and Involved in Brain Development. Molecular and Cellular Biology, 2001, 21, 7787-7795.	1.1	181
63	Rdp1, a Novel Zinc Finger Protein, Regulates the DNA Damage Response of rhp51 + from Schizosaccharomyces pombe. Molecular and Cellular Biology, 2000, 20, 8958-8968.	1.1	10
64	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. Nucleic Acids Research, 2000, 28, 3392-3402.	6.5	10
65	An Ikaros-Containing Chromatin-Remodeling Complex in Adult-Type Erythroid Cells. Molecular and Cellular Biology, 2000, 20, 7572-7582.	1.1	156
66	Characterization of a novel mouse cDNA, ES18, involved in apoptotic cell death of T-cells. Nucleic Acids Research, 1999, 27, 1524-1530.	6.5	17
67	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
68	Induction of cytotoxic T lymphocyte response against the core andNS3genes of the hepatitis C virus inBalb/cmice. Korean Journal of Biological Sciences, 1999, 3, 337-341.	0.1	2
69	Sp1 mediates cell proliferation-dependent regulation of rat DNA topoisomerase IIÎ± gene promoter. Biochemical Journal, 1999, 344, 367-374.	1.7	18
70	Sp1 mediates cell proliferation-dependent regulation of rat DNA topoisomerase IIÎ± gene promoter. Biochemical Journal, 1999, 344, 367.	1.7	5
71	Downâ€regulation ofTcfâ€1 expression by activationâ€induced apoptosis of T cell Hybridoma. Korean Journal of Biological Sciences, 1998, 2, 403-410.	0.1	1
72	Purification and characterization of Hrp1, a Homolog of Mouse CHD1 from the fission yeastschizosaccharomyces pombe. Korean Journal of Biological Sciences, 1998, 2, 539-543.	0.1	4

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73	A New Mouse Gene, SRG3, Related to the SWI3 of Saccharomyces cerevisiae, Is Required for Apoptosis Induced by Glucocorticoids in a Thymoma Cell Line. Journal of Experimental Medicine, 1997, 185, 1827-1836.	4.2	46
74	Identification and expression ofuvi31+, a UV-inducible gene fromSchizosaccharomyces pombe. , 1997, 30, 72-81.		18
75	Differential expression of the rhp51+ gene, a recA and RAD51 homolog from the fission yeast Schizosaccharomyces pombe. Gene, 1996, 169, 125-130.	1.0	19
76	Identification of the DNA damage-responsive elements of the. Molecular Genetics and Genomics, 1996, 251, 167.	2.4	1
77	Characterization of uvi15 +, a stress-inducible gene from Schizosaccharomyces pombe. Molecular Genetics and Genomics, 1995, 246, 663-670.	2.4	17
78	Isolation and Characterization of the Promoter Region of the Rat DNA Topoisomerase IIÎ± Gene1. Journal of Biochemistry, 1995, 118, 725-733.	0.9	9
79	CD4 and CD8 in T cell lineage commitment: alterations induced by expression of a CD8/CD4 chimeric transgene. Seminars in Immunology, 1994, 6, 221-229.	2.7	4
80	Positive-negative selection gene targeting with the diphtheria toxin A-chain gene in mouse embryonic stem cells. Transgenic Research, 1993, 2, 183-190.	1.3	64
81	Signal for T-cell differentiation to a CD4 cell lineage is delivered by CD4 transmembrane region and/or cytoplasmic tail. Nature, 1992, 356, 718-720.	13.7	87