

Tae-Young Roh

List of Publications by Year in descending order

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83
papers

17,088
citations

126708

33
h-index

66788

78
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86
all docs

86
docs citations

86
times ranked

23772
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Resolution Profiling of Histone Methylations in the Human Genome. <i>Cell</i> , 2007, 129, 823-837.	13.5	6,036
2	Combinatorial patterns of histone acetylations and methylations in the human genome. <i>Nature Genetics</i> , 2008, 40, 897-903.	9.4	2,034
3	Dynamic Regulation of Nucleosome Positioning in the Human Genome. <i>Cell</i> , 2008, 132, 887-898.	13.5	1,211
4	Global Mapping of H3K4me3 and H3K27me3 Reveals Specificity and Plasticity in Lineage Fate Determination of Differentiating CD4+ T Cells. <i>Immunity</i> , 2009, 30, 155-167.	6.6	1,005
5	Bioinspired Exosome-Mimetic Nanovesicles for Targeted Delivery of Chemotherapeutics to Malignant Tumors. <i>ACS Nano</i> , 2013, 7, 7698-7710.	7.3	768
6	Global analysis of the insulator binding protein CTCF in chromatin barrier regions reveals demarcation of active and repressive domains. <i>Genome Research</i> , 2009, 19, 24-32.	2.4	587
7	Chromatin Signatures in Multipotent Human Hematopoietic Stem Cells Indicate the Fate of Bivalent Genes during Differentiation. <i>Cell Stem Cell</i> , 2009, 4, 80-93.	5.2	548
8	The genomic landscape of histone modifications in human T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15782-15787.	3.3	432
9	Extracellular Vesicles Derived from Gut Microbiota, Especially <i>Akkermansia muciniphila</i> , Protect the Progression of Dextran Sulfate Sodium-Induced Colitis. <i>PLoS ONE</i> , 2013, 8, e76520.	1.1	407
10	Active chromatin domains are defined by acetylation islands revealed by genome-wide mapping. <i>Genes and Development</i> , 2005, 19, 542-552.	2.7	398
11	EVpedia: a community web portal for extracellular vesicles research. <i>Bioinformatics</i> , 2015, 31, 933-939.	1.8	317
12	Genome-wide Analysis of Histone Methylation Reveals Chromatin State-Based Regulation of Gene Transcription and Function of Memory CD8+ T Cells. <i>Immunity</i> , 2009, 30, 912-925.	6.6	256
13	Priming for T helper type 2 differentiation by interleukin 2-mediated induction of interleukin 4 receptor α -chain expression. <i>Nature Immunology</i> , 2008, 9, 1288-1296.	7.0	234
14	Induction of pluripotent stem cells from adult somatic cells by protein-based reprogramming without genetic manipulation. <i>Blood</i> , 2010, 116, 386-395.	0.6	217
15	High-resolution genome-wide mapping of histone modifications. <i>Nature Biotechnology</i> , 2004, 22, 1013-1016.	9.4	199
16	Tumor-Associated Macrophages Enhance Tumor Hypoxia and Aerobic Glycolysis. <i>Cancer Research</i> , 2019, 79, 795-806.	0.4	188
17	<i>Staphylococcus aureus</i> Extracellular Vesicles Carry Biologically Active β -Lactamase. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 2589-2595.	1.4	172
18	Synthetic RNA devices to expedite the evolution of metabolite-producing microbes. <i>Nature Communications</i> , 2013, 4, 1413.	5.8	140

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19	Chromatin poises miRNA- and protein-coding genes for expression. <i>Genome Research</i> , 2009, 19, 1742-1751.	2.4	135
20	Immunization with <i>Escherichia coli</i> Outer Membrane Vesicles Protects Bacteria-Induced Lethality via Th1 and Th17 Cell Responses. <i>Journal of Immunology</i> , 2013, 190, 4092-4102.	0.4	134
21	Creation of bladder assembloids mimicking tissue regeneration and cancer. <i>Nature</i> , 2020, 588, 664-669.	13.7	133
22	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
23	Genome-wide prediction of conserved and nonconserved enhancers by histone acetylation patterns. <i>Genome Research</i> , 2006, 17, 74-81.	2.4	113
24	SREBP and MDT-15 protect <i>C. elegans</i> from glucose-induced accelerated aging by preventing accumulation of saturated fat. <i>Genes and Development</i> , 2015, 29, 2490-2503.	2.7	101
25	miR-93/miR-106b/miR-375-CIC-CRABP1: a novel regulatory axis in prostate cancer progression. <i>Oncotarget</i> , 2015, 6, 23533-23547.	0.8	83
26	Z-DNA-forming sites identified by ChIP-Seq are associated with actively transcribed regions in the human genome. <i>DNA Research</i> , 2016, 23, 477-486.	1.5	75
27	Extracellular vesicles, especially derived from Gram-negative bacteria, in indoor dust induce neutrophilic pulmonary inflammation associated with both Th1 and Th17 cell responses. <i>Clinical and Experimental Allergy</i> , 2013, 43, 443-454.	1.4	66
28	RNA surveillance via nonsense-mediated mRNA decay is crucial for longevity in daf-2/insulin/IGF-1 mutant <i>C. elegans</i> . <i>Nature Communications</i> , 2017, 8, 14749.	5.8	59
29	DNA-binding motif and target genes of the imprinted transcription factor PEG3. <i>Gene</i> , 2013, 512, 314-320.	1.0	57
30	Outer Membrane Vesicles Derived From <i>Escherichia coli</i> Regulate Neutrophil Migration by Induction of Endothelial IL-8. <i>Frontiers in Microbiology</i> , 2018, 9, 2268.	1.5	48
31	Aebp2 as an Epigenetic Regulator for Neural Crest Cells. <i>PLoS ONE</i> , 2011, 6, e25174.	1.1	45
32	Genomic Profiling of HMGN1 Reveals an Association with Chromatin at Regulatory Regions. <i>Molecular and Cellular Biology</i> , 2011, 31, 700-709.	1.1	44
33	Egr-1 Activation by Cancer-Derived Extracellular Vesicles Promotes Endothelial Cell Migration via ERK1/2 and JNK Signaling Pathways. <i>PLoS ONE</i> , 2014, 9, e115170.	1.1	36
34	TNF- α is a key mediator in the development of Th2 cell response to inhaled allergens induced by a viral PAMP double-stranded RNA. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2012, 67, 1138-1148.	2.7	35
35	Opportunistic detection of <i>Fusobacterium nucleatum</i> as a marker for the early gut microbial dysbiosis. <i>BMC Microbiology</i> , 2020, 20, 208.	1.3	35
36	Anti-Inflammatory Actions of Soluble Ninjurin-1 Ameliorate Atherosclerosis. <i>Circulation</i> , 2020, 142, 1736-1751.	1.6	34

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37	Response: Mapping Nucleosome Positions Using ChIP-Seq Data. <i>Cell</i> , 2007, 131, 832-833.	13.5	32
38	ZNF224, KrÄppel like zinc finger protein, induces cell growth and apoptosis-resistance by down-regulation of p21 and p53 via miR-663a. <i>Oncotarget</i> , 2016, 7, 31177-31190.	0.8	32
39	Twist1 is essential in maintaining mesenchymal state and tumor-initiating properties in synovial sarcoma. <i>Cancer Letters</i> , 2014, 343, 62-73.	3.2	30
40	Functional elements demarcated by histone modifications in breast cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 418, 475-482.	1.0	28
41	Polycomb group protein-mediated histone modifications during cell differentiation. <i>Epigenomics</i> , 2015, 7, 75-84.	1.0	28
42	Genome-wide analysis of histone modifications in latently HIV-1 infected T cells. <i>Aids</i> , 2014, 28, 1719-1728.	1.0	27
43	Epigenetic analysis in rheumatoid arthritis synoviocytes. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-13.	3.2	27
44	Prefoldin 6 mediates longevity response from heat shock factor 1 to FOXO in <i>C. elegans</i> . <i>Genes and Development</i> , 2018, 32, 1562-1575.	2.7	26
45	A Novel Human Polycomb Binding Site Acts As a Functional Polycomb Response Element in <i>Drosophila</i> . <i>PLoS ONE</i> , 2012, 7, e36365.	1.1	24
46	Gene silencing in HIV-1 latency by polycomb repressive group. <i>Virology Journal</i> , 2011, 8, 179.	1.4	22
47	Airway Activation of Formyl Peptide Receptors Inhibits Th1 and Th17 Cell Responses via Inhibition of Mediator Release from Immune and Inflammatory Cells and Maturation of Dendritic Cells. <i>Journal of Immunology</i> , 2012, 188, 1799-1808.	0.4	22
48	Molecular cloning and functional expression of a phospholipase D from cabbage (<i>Brassica oleracea</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.2	18
49	NUCKS1, a novel Tat coactivator, plays a crucial role in HIV-1 replication by increasing Tat-mediated viral transcription on the HIV-1 LTR promoter. <i>Retrovirology</i> , 2014, 11, 67.	0.9	18
50	Characterization of Chromatin Structure-associated Histone Modifications in Breast Cancer Cells. <i>Genomics and Informatics</i> , 2012, 10, 145.	0.4	18
51	Epigenetic regulation in cell reprogramming revealed by genome-wide analysis. <i>Epigenomics</i> , 2011, 3, 73-81.	1.0	15
52	Transcription-related element gene expression pattern differs between microglia and macrophages during inflammation. <i>Inflammation Research</i> , 2014, 63, 389-397.	1.6	15
53	High-Resolution, Genome-Wide Mapping of Chromatin Modifications by GMAT. <i>Methods in Molecular Biology</i> , 2008, 387, 95-108.	0.4	15
54	Comparative analysis of commonly used peak calling programs for ChIP-Seq analysis. <i>Genomics and Informatics</i> , 2020, 18, e42.	0.4	15

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55	Transcription-dependent targeting of Hda1C to hyperactive genes mediates H4-specific deacetylation in yeast. <i>Nature Communications</i> , 2019, 10, 4270.	5.8	14
56	Comparative Study of Efficacy of Dopaminergic Neuron Differentiation between Embryonic Stem Cell and Protein-Based Induced Pluripotent Stem Cell. <i>PLoS ONE</i> , 2014, 9, e85736.	1.1	14
57	A unique population of neutrophils generated by air pollutant-induced lung damage exacerbates airway inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 1253-1269.e8.	1.5	13
58	Investigation of sulfhydryl groups in cabbage phospholipase D by combination of derivatization methods and matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2001, 15, 110-115.	0.7	12
59	Indoor dust extracellular vesicles promote cancer lung metastasis by inducing tumour necrosis factor- α . <i>Journal of Extracellular Vesicles</i> , 2020, 9, 1766821.	5.5	9
60	Inhibition of the oligosaccharyl transferase in <i>Caenorhabditis elegans</i> that compromises ER proteostasis suppresses p38-dependent protection against pathogenic bacteria. <i>PLoS Genetics</i> , 2020, 16, e1008617.	1.5	9
61	The effect of CD4 receptor downregulation and its downstream signaling molecules on HIV-1 latency. <i>Biochemical and Biophysical Research Communications</i> , 2011, 404, 646-651.	1.0	7
62	hnRNP K Supports High-Amplitude D Site-Binding Protein mRNA (<i>Dbp</i> mRNA) Oscillation To Sustain Circadian Rhythms. <i>Molecular and Cellular Biology</i> , 2020, 40, .	1.1	7
63	Postnatal regulation of B-1a cell development and survival by the CIC-PER2-BHLHE41 axis. <i>Cell Reports</i> , 2022, 38, 110386.	2.9	7
64	Role of Zscan4 in secondary murine iPSC derivation mediated by protein extracts of ESC or iPSC. <i>Biomaterials</i> , 2015, 59, 102-115.	5.7	6
65	Identification of the early and late responder genes during the generation of induced pluripotent stem cells from mouse fibroblasts. <i>PLoS ONE</i> , 2017, 12, e0171300.	1.1	6
66	The Poly(C) Motif in the Proximal Promoter Region of the D Site-Binding Protein Gene (<i>Dbp</i>) Drives Its High-Amplitude Oscillation. <i>Molecular and Cellular Biology</i> , 2019, 39, .	1.1	6
67	Naa12 compensates for Naa10 in mice in the amino-terminal acetylation pathway. <i>ELife</i> , 2021, 10, .	2.8	6
68	Evaluation and Interpretation of Transcriptome Data Underlying Heterogeneous Chronic Obstructive Pulmonary Disease. <i>Genomics and Informatics</i> , 2019, 17, e2.	0.4	6
69	Bioinformatics services for analyzing massive genomic datasets. <i>Genomics and Informatics</i> , 2020, 18, e8.	0.4	6
70	Impaired IL-2 expression in latent HIV-1 infection. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 1237-1242.	1.0	5
71	The Chromatin Accessibility Landscape of Nonalcoholic Fatty Liver Disease Progression. <i>Molecules and Cells</i> , 2022, 45, 343-352.	1.0	5
72	CTCF-mediated Chromatin Loop for the Posterior <i>Hoxc</i> Gene Expression in MEF Cells. <i>IUBMB Life</i> , 2016, 68, 436-444.	1.5	3

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73	hnRNP K supports the maintenance of <i>RORβ</i> circadian rhythm through ERK signaling. FASEB Journal, 2021, 35, e21507.	0.2	3
74	A novel role of metal response element binding transcription factor 2 at the Hox gene cluster in the regulation of H3K27me3 by polycomb repressive complex 2. Oncotarget, 2018, 9, 26572-26585.	0.8	3
75	A Follow-up Association Study of Genetic Variants for Bone Mineral Density in a Korean Population. Genomics and Informatics, 2014, 12, 114.	0.4	3
76	Mechanisms of asthma and allergic disease – 1086. Bacteria-derived extracellular vesicles as an important causative agent for asthma and COPD. World Allergy Organization Journal, 2013, 6, P82.	1.6	2
77	Dietary antigens suppress the proliferation of type 2 innate lymphoid cells by restraining homeostatic IL-25 production. Scientific Reports, 2022, 12, 7443.	1.6	2
78	Title is missing!. , 2020, 16, e1008617.		0
79	Title is missing!. , 2020, 16, e1008617.		0
80	Title is missing!. , 2020, 16, e1008617.		0
81	Title is missing!. , 2020, 16, e1008617.		0
82	Title is missing!. , 2020, 16, e1008617.		0
83	Title is missing!. , 2020, 16, e1008617.		0