

# Jonghwan Kim

## List of Publications by Year in descending order

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71  
papers

13,899  
citations

136885

32  
h-index

102432

66  
g-index

75  
all docs

75  
docs citations

75  
times ranked

23929  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutrophil DREAM promotes neutrophil recruitment in vascular inflammation. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	11
2	Î²-catenin links cell seeding density to global gene expression during mouse embryonic stem cell differentiation. <i>IScience</i> , 2022, 25, 103541.	1.9	7
3	Induction of human trophoblast stem-like cells from primed pluripotent stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2115709119.	3.3	23
4	Mechanobiological conditioning of mesenchymal stem cells for enhanced vascular regeneration. <i>Nature Biomedical Engineering</i> , 2021, 5, 89-102.	11.6	35
5	Conserved dual-mode gene regulation programs in higher eukaryotes. <i>Nucleic Acids Research</i> , 2021, 49, 2583-2597.	6.5	2
6	Context-dependent roles of YAP/TAZ in stem cell fates and cancer. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 4201-4219.	2.4	35
7	The oncogene AAMDC links PI3K-AKT-mTOR signaling with metabolic reprogramming in estrogen receptor-positive breast cancer. <i>Nature Communications</i> , 2021, 12, 1920.	5.8	19
8	Integrating High-Throughput Approaches and in vitro Human Trophoblast Models to Decipher Mechanisms Underlying Early Human Placenta Development. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 673065.	1.8	6
9	Release of Notch activity coordinated by IL-1Î² signalling confers differentiation plasticity of airway progenitors via <i>Fosl2</i> during alveolar regeneration. <i>Nature Cell Biology</i> , 2021, 23, 953-966.	4.6	37
10	Rigidity of Cell Fate and Function Among Monocytes. <i>Blood</i> , 2021, 138, 2057-2057.	0.6	0
11	Neutrophil DREAM Promotes Neutrophil Recruitment in Vascular Inflammation Via Nuclear Factor Kappa B-Dependent and Independent Mechanisms. <i>Blood</i> , 2021, 138, 435-435.	0.6	0
12	Misexpression of genes lacking CpG islands drives degenerative changes during aging. <i>Science Advances</i> , 2021, 7, eabj9111.	4.7	8
13	Tumor penetrating peptides inhibiting MYC as a potent targeted therapeutic strategy for triple-negative breast cancers. <i>Oncogene</i> , 2019, 38, 140-150.	2.6	55
14	Super-enhancer-guided mapping of regulatory networks controlling mouse trophoblast stem cells. <i>Nature Communications</i> , 2019, 10, 4749.	5.8	45
15	Systematic Discovery of Endogenous Human Ribonucleoprotein Complexes. <i>Cell Reports</i> , 2019, 29, 1351-1368.e5.	2.9	53
16	TAF5L and TAF6L Maintain Self-Renewal of Embryonic Stem Cells via the MYC Regulatory Network. <i>Molecular Cell</i> , 2019, 74, 1148-1163.e7.	4.5	36
17	Functionally Distinct Subsets of Monocytes in Mouse and Human Blood. <i>Blood</i> , 2019, 134, 438-438.	0.6	0
18	<i>Fosl1</i> overexpression directly activates trophoblast-specific gene expression programs in embryonic stem cells. <i>Stem Cell Research</i> , 2018, 26, 95-102.	0.3	16

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19	Implications of CpG islands on chromosomal architectures and modes of global gene regulation. <i>Nucleic Acids Research</i> , 2018, 46, 4382-4391.	6.5	12
20	miRNA-mediated TUSC3 deficiency enhances UPR and ERAD to promote metastatic potential of NSCLC. <i>Nature Communications</i> , 2018, 9, 5110.	5.8	38
21	Uhrf1 regulates active transcriptional marks at bivalent domains in pluripotent stem cells through Setd1a. <i>Nature Communications</i> , 2018, 9, 2583.	5.8	35
22	Homeodomain Proteins Directly Regulate ATM Kinase Activity. <i>Cell Reports</i> , 2018, 24, 1471-1483.	2.9	7
23	Yap1 safeguards mouse embryonic stem cells from excessive apoptosis during differentiation. <i>ELife</i> , 2018, 7, .	2.8	33
24	ARID3A is required for mammalian placenta development. <i>Developmental Biology</i> , 2017, 422, 83-91.	0.9	31
25	Fbxl19 recruitment to CpG islands is required for Rnf20-mediated H2B mono-ubiquitination. <i>Nucleic Acids Research</i> , 2017, 45, 7151-7166.	6.5	10
26	ZSCAN10 expression corrects the genomic instability of iPSCs from aged donors. <i>Nature Cell Biology</i> , 2017, 19, 1037-1048.	4.6	35
27	Mechanisms of transcription factor-mediated direct reprogramming of mouse embryonic stem cells to trophoblast stem-like cells. <i>Nucleic Acids Research</i> , 2017, 45, 10103-10114.	6.5	25
28	Ethylene induces combinatorial effects of histone H3 acetylation in gene expression in Arabidopsis. <i>BMC Genomics</i> , 2017, 18, 538.	1.2	51
29	Transcriptional Regulation of the First Cell Fate Decision. , 2017, 1, .		2
30	Pathogen Infection and MORC Proteins Affect Chromatin Accessibility of Transposable Elements and Expression of Their Proximal Genes in Arabidopsis. <i>Molecular Plant-Microbe Interactions</i> , 2016, 29, 674-687.	1.4	11
31	BMI1-UBR5 axis regulates transcriptional repression at damaged chromatin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 11243-11248.	3.3	46
32	Yap1 is dispensable for self-renewal but required for proper differentiation of mouse embryonic stem (ES) cells. <i>Development</i> , 2016, 143, 2009-2018.	2.0	82
33	The Pluripotency Factor NANOG Binds to GLI Proteins and Represses Hedgehog-mediated Transcription. <i>Journal of Biological Chemistry</i> , 2016, 291, 7171-7182.	1.6	22
34	Serine/Threonine Kinase MLK4 Determines Mesenchymal Identity in Glioma Stem Cells in an NF- $\kappa$ B-dependent Manner. <i>Cancer Cell</i> , 2016, 29, 201-213.	7.7	147
35	An Immunofluorescence-Assisted Microfluidic Single Cell Quantitative Reverse Transcription Polymerase Chain Reaction Analysis of Tumour Cells Separated from Blood. <i>Journal of Circulating Biomarkers</i> , 2015, 4, 11.	0.8	4
36	Multi-layered global gene regulation in mouse embryonic stem cells. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 199-216.	2.4	6

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37	Tgif1 Counterbalances the Activity of Core Pluripotency Factors in Mouse Embryonic Stem Cells. Cell Reports, 2015, 13, 52-60.	2.9	26
38	PRC2 Is Required to Maintain Expression of the Maternal Gtl2-Rian-Mirg Locus by Preventing De Novo DNA Methylation in Mouse Embryonic Stem Cells. Cell Reports, 2015, 12, 1456-1470.	2.9	64
39	CpG island-mediated global gene regulatory modes in mouse embryonic stem cells. Nature Communications, 2014, 5, 5490.	5.8	26
40	Arid3a is essential to execution of the first cell fate decision via direct embryonic and extraembryonic transcriptional regulation. Genes and Development, 2014, 28, 2219-2232.	2.7	44
41	Distinct and Combinatorial Functions of Jmjd2b/Kdm4b and Jmjd2c/Kdm4c in Mouse Embryonic Stem Cell Identity. Molecular Cell, 2014, 53, 32-48.	4.5	112
42	Global Transcriptional Profiling Reveals Distinct Functions of Thymic Stromal Subsets and Age-Related Changes during Thymic Involution. Cell Reports, 2014, 9, 402-415.	2.9	87
43	Splicing factor SRSF3 represses the translation of programmed cell death 4 mRNA by associating with the 5' UTR region. Cell Death and Differentiation, 2014, 21, 481-490.	5.0	63
44	Surfactant Protein C Chromatin-Bound Green Fluorescence Protein Reporter Mice Reveal Heterogeneity of Surfactant Protein C-Expressing Lung Cells. American Journal of Respiratory Cell and Molecular Biology, 2013, 48, 288-298.	1.4	54
45	ETV1 directs androgen metabolism and confers aggressive prostate cancer in targeted mice and patients. Genes and Development, 2013, 27, 683-698.	2.7	163
46	Transcription Elongation Factor <i>Tcea3</i> Regulates the Pluripotent Differentiation Potential of Mouse Embryonic Stem Cells Via the <i>Lefty1</i> -Nodal-Smad2 Pathway. Stem Cells, 2013, 31, 282-292.	1.4	30
47	Developmental differences in IFN signaling affect GATA1s-induced megakaryocyte hyperproliferation. Journal of Clinical Investigation, 2013, 123, 3292-3304.	3.9	37
48	The Response of the Prostate to Circulating Cholesterol: Activating Transcription Factor 3 (ATF3) as a Prominent Node in a Cholesterol-Sensing Network. PLoS ONE, 2012, 7, e39448.	1.1	9
49	Embryonic stem cell-specific signatures in cancer: insights into genomic regulatory networks and implications for medicine. Genome Medicine, 2011, 3, 75.	3.6	112
50	Role of ZBP-89 in human globin gene regulation and erythroid differentiation. Blood, 2011, 118, 3684-3693.	0.6	26
51	Epigenetic memory in induced pluripotent stem cells. Nature, 2010, 467, 285-290.	13.7	2,011
52	Systematic tracking of cell fate changes. Nature Biotechnology, 2010, 28, 146-147.	9.4	1
53	Sumoylation Regulates Interaction of FOG1 with C-terminal-binding Protein (CTBP)*. Journal of Biological Chemistry, 2010, 285, 28064-28075.	1.6	21
54	TIF1 <sup>β</sup> Controls Erythroid Cell Fate by Regulating Transcription Elongation. Cell, 2010, 142, 133-143.	13.5	187

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55	A Myc Network Accounts for Similarities between Embryonic Stem and Cancer Cell Transcription Programs. <i>Cell</i> , 2010, 143, 313-324.	13.5	606
56	Role of the Krüppel-Type Zinc Finger Transcription Factor ZBP-89 In Human Globin Gene Regulation and Erythroid Development. <i>Blood</i> , 2010, 116, 2067-2067.	0.6	0
57	A genome-wide RNAi screen identifies a new transcriptional module required for self-renewal. <i>Genes and Development</i> , 2009, 23, 837-848.	2.7	354
58	Use of in vivo biotinylation to study protein-protein and protein-DNA interactions in mouse embryonic stem cells. <i>Nature Protocols</i> , 2009, 4, 506-517.	5.5	129
59	DNA Methyltransferase 1 Is Essential for and Uniquely Regulates Hematopoietic Stem and Progenitor Cells. <i>Cell Stem Cell</i> , 2009, 5, 442-449.	5.2	318
60	DNA Methyltransferase 1 Is Essential for and Uniquely Regulates Hematopoietic Stem and Progenitor Cells.. <i>Blood</i> , 2009, 114, 392-392.	0.6	1
61	EZH1 Mediates Methylation on Histone H3 Lysine 27 and Complements EZH2 in Maintaining Stem Cell Identity and Executing Pluripotency. <i>Molecular Cell</i> , 2008, 32, 491-502.	4.5	838
62	An Extended Transcriptional Network for Pluripotency of Embryonic Stem Cells. <i>Cell</i> , 2008, 132, 1049-1061.	13.5	1,226
63	The Transcriptional Network Controlling Pluripotency in ES Cells. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2008, 73, 195-202.	2.0	84
64	Global Identification of Myc Target Genes Reveals Its Direct Role in Mitochondrial Biogenesis and Its E-Box Usage In Vivo. <i>PLoS ONE</i> , 2008, 3, e1798.	1.1	197
65	Mapping the chromosomal targets of STAT1 by Sequence Tag Analysis of Genomic Enrichment (STAGE). <i>Genome Research</i> , 2007, 17, 910-916.	2.4	61
66	Epigenetic Regulation of Hematopoietic Differentiation by Gfi-1 and Gfi-1b Is Mediated by the Cofactors CoREST and LSD1. <i>Molecular Cell</i> , 2007, 27, 562-572.	4.5	340
67	FAIRE (Formaldehyde-Assisted Isolation of Regulatory Elements) isolates active regulatory elements from human chromatin. <i>Genome Research</i> , 2007, 17, 877-885.	2.4	830
68	Identification and analysis of functional elements in 1% of the human genome by the ENCODE pilot project. <i>Nature</i> , 2007, 447, 799-816.	13.7	4,709
69	Identifying Chromosomal Targets of DNA-Binding Proteins by Sequence Tag Analysis of Genomic Enrichment (STAGE). <i>Current Protocols in Molecular Biology</i> , 2005, 72, Unit 21.10.	2.9	0
70	Mapping DNA-protein interactions in large genomes by sequence tag analysis of genomic enrichment. <i>Nature Methods</i> , 2005, 2, 47-53.	9.0	108
71	Global Role of TATA Box-Binding Protein Recruitment to Promoters in Mediating Gene Expression Profiles. <i>Molecular and Cellular Biology</i> , 2004, 24, 8104-8112.	1.1	57