Andre J Van Wijnen

List of Publications by Year
in descending order

675 papers	44,450 citations	2975 93 h-index	3830 178 g-index
700 all docs	700 docs citations	700 times ranked	44252 citing authors

#	Article	IF	Citations
1	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. Journal of Extracellular Vesicles, 2018, 7, 1535750.	12.2	6,961
2	Canonical WNT Signaling Promotes Osteogenesis by Directly Stimulating Runx2 Gene Expression. Journal of Biological Chemistry, 2005, 280, 33132-33140.	3.4	984
3	Biological Functions of miR-29b Contribute to Positive Regulation of Osteoblast Differentiation. Journal of Biological Chemistry, 2009, 284, 15676-15684.	3.4	513
4	A microRNA signature for a BMP2-induced osteoblast lineage commitment program. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13906-13911.	7.1	503
5	MicroRNA control of bone formation and homeostasis. Nature Reviews Endocrinology, 2012, 8, 212-227.	9.6	503
6	Concise Review: Multifaceted Characterization of Human Mesenchymal Stem Cells for Use in Regenerative Medicine. Stem Cells Translational Medicine, 2017, 6, 2173-2185.	3.3	502
7	Runx2 control of organization, assembly and activity of the regulatory machinery for skeletal gene expression. Oncogene, 2004, 23, 4315-4329.	5.9	461
8	Self-renewal of human embryonic stem cells is supported by a shortened G1 cell cycle phase. Journal of Cellular Physiology, 2006, 209, 883-893.	4.1	402
9	Networks and hubs for the transcriptional control of osteoblastogenesis. Reviews in Endocrine and Metabolic Disorders, 2006, 7, 1-16.	5.7	397
10	Transcriptional control of osteoblast growth and differentiation. Physiological Reviews, 1996, 76, 593-629.	28.8	395
11	Regulatory Controls for Osteoblast Growth and Differentiation: Role of Runx/Cbfa/AML Factors. Critical Reviews in Eukaryotic Gene Expression, 2004, 14, 1-42.	0.9	392
12	A program of microRNAs controls osteogenic lineage progression by targeting transcription factor Runx2. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 9863-9868.	7.1	390
13	Expression of the Osteoblast Differentiation Factor RUNX2 (Cbfa1/AML3/Pebp2Î±A) Is Inhibited by Tumor Necrosis Factor-Î±. Journal of Biological Chemistry, 2002, 277, 2695-2701.	3.4	389
14	Tyrosine phosphorylation controls Runx2-mediated subnuclear targeting of YAP to repress transcription. EMBO Journal, 2004, 23, 790-799.	7.8	360
15	A current review of molecular mechanisms regarding osteoarthritis and pain. Gene, 2013, 527, 440-447.	2.2	328
16	A network connecting Runx2, SATB2, and the miR-23aâ^¼27aâ^¼24-2 cluster regulates the osteoblast differentiation program. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19879-19884.	7.1	327
17	Runx2 (Cbfa1, AML-3) Interacts with Histone Deacetylase 6 and Represses the p21 CIP1/WAF1 Promoter. Molecular and Cellular Biology, 2002, 22, 7982-7992.	2.3	302
18	The Runx2 Osteogenic Transcription Factor Regulates Matrix Metalloproteinase 9 in Bone Metastatic Cancer Cells and Controls Cell Invasion. Molecular and Cellular Biology, 2005, 25, 8581-8591.	2.3	280

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19	MicroRNAs 221 and 222 Bypass Quiescence and Compromise Cell Survival. Cancer Research, 2008, 68, 2773-2780.	0.9	279
20	Dlx3 Transcriptional Regulation of Osteoblast Differentiation: Temporal Recruitment of Msx2, Dlx3, and Dlx5 Homeodomain Proteins to Chromatin of the Osteocalcin Gene. Molecular and Cellular Biology, 2004, 24, 9248-9261.	2.3	261
21	Subnuclear targeting of Runx/Cbfa/AML factors is essential for tissue-specific differentiation during embryonic development. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 8650-8655.	7.1	255
22	Cell growth regulatory role of Runx2 during proliferative expansion of preosteoblasts. Cancer Research, 2003, 63, 5357-62.	0.9	253
23	Life-Course Genome-wide Association Study Meta-analysis of Total Body BMD and Assessment of Age-Specific Effects. American Journal of Human Genetics, 2018, 102, 88-102.	6.2	252
24	miR-218 Directs a Wnt Signaling Circuit to Promote Differentiation of Osteoblasts and Osteomimicry of Metastatic Cancer Cells. Journal of Biological Chemistry, 2012, 287, 42084-42092.	3.4	251
25	Mesenchymal stem cellâ€"derived extracellular vesicles attenuate kidney inflammation. Kidney International, 2017, 92, 114-124.	5.2	247
26	Runx2 association with progression of prostate cancer in patients: mechanisms mediating bone osteolysis and osteoblastic metastatic lesions. Oncogene, 2010, 29, 811-821.	5.9	246
27	Transient upregulation of CBFA1 in response to bone morphogenetic protein-2 and transforming growth factor ?1 in C2C12 myogenic cells coincides with suppression of the myogenic phenotype but is not sufficient for osteoblast differentiation. Journal of Cellular Biochemistry, 1999, 73, 114-125.	2.6	244
28	The Tissue-Specific Nuclear Matrix Protein, NMP-2, Is a Member of the AML/PEBP2/Runt Domain Transcription Factor Family: Interactions with the Osteocalcin Gene Promoter. Biochemistry, 1995, 34, 13125-13132.	2.5	242
29	Transcriptional autoregulation of the bone related CBFA1/RUNX2 gene. Journal of Cellular Physiology, 2000, 184, 341-350.	4.1	236
30	Regulatory roles of Runx2 in metastatic tumor and cancer cell interactions with bone. Cancer and Metastasis Reviews, 2006, 25, 589-600.	5.9	236
31	Identification of a nuclear matrix targeting signal in the leukemia and bone-related AML/CBF-Â transcription factors. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 6746-6751.	7.1	235
32	MicroRNA and mRNA cargo of extracellular vesicles from porcine adipose tissue-derived mesenchymal stem cells. Gene, 2014, 551, 55-64.	2.2	233
33	Mitotic occupancy and lineage-specific transcriptional control of rRNA genes by Runx2. Nature, 2007, 445, 442-446.	27.8	218
34	The Bone-specific Expression of Runx2 Oscillates during the Cell Cycle to Support a G1-related Antiproliferative Function in Osteoblasts. Journal of Biological Chemistry, 2005, 280, 20274-20285.	3.4	212
35	The histone H3.3K36M mutation reprograms the epigenome of chondroblastomas. Science, 2016, 352, 1344-1348.	12.6	211
36	Chromatin interaction analysis reveals changes in small chromosome and telomere clustering between epithelial and breast cancer cells. Genome Biology, 2015, 16, 214.	8.8	206

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37	Structural Coupling of Smad and Runx2 for Execution of the BMP2 Osteogenic Signal. Journal of Biological Chemistry, 2008, 283, 8412-8422.	3.4	199
38	Coordinate occupancy of AP-1 sites in the vitamin D-responsive and CCAAT box elements by Fos-Jun in the osteocalcin gene: model for phenotype suppression of transcription.. Proceedings of the National Academy of Sciences of the United States of America, 1990, 87, 9990-9994.	7.1	194
39	Regulatory controls for osteoblast growth and differentiation: role of Runx/Cbfa/AML factors. Critical Reviews in Eukaryotic Gene Expression, 2004, 14, 1-41.	0.9	194
40	MicroRNA Functions in Osteogenesis and Dysfunctions in Osteoporosis. Current Osteoporosis Reports, 2013, 11, 72-82.	3.6	192
41	Regulation of the Bone-Specific Osteocalcin Gene by p300 Requires Runx2/Cbfa1 and the Vitamin D3 Receptor but Not p300 Intrinsic Histone Acetyltransferase Activity. Molecular and Cellular Biology, 2003, 23, 3339-3351.	2.3	190
42	Integration of Runx and Smad regulatory signals at transcriptionally active subnuclear sites. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 8048-8053.	7.1	189
43	BMP2 Commitment to the Osteogenic Lineage Involves Activation of Runx2 by DLX3 and a Homeodomain Transcriptional Network. Journal of Biological Chemistry, 2006, 281, 40515-40526.	3.4	188
44	Sp1 Trans-Activation of Cell Cycle Regulated Promoters Is Selectively Repressed by Sp3. Biochemistry, 1995, 34, 16503-16508.	2.5	185
45	MicroRNA-146a is linked to pain-related pathophysiology of osteoarthritis. Gene, 2011, 480, 34-41.	2.2	181
46	Activation of a cell-cycle-regulated histone gene by the oncogenic transcription factor IRF-2. Nature, 1995, 377, 362-365.	27.8	179
47	The nuclear matrix protein NMP-1 is the transcription factor YY1.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 10526-10530.	7.1	178
48	Impaired intranuclear trafficking of Runx2 (AML3/CBFA1) transcription factors in breast cancer cells inhibits osteolysis <i>in vivo</i>. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 1454-1459.	7.1	174
49	Nuclear matrix association of multiple sequence-specific DNA binding activities related to SP-1, ATF, CCAAT, C/EBP, OCT-1, and AP-1. Biochemistry, 1993, 32, 8397-8402.	2.5	173
50	Hyaluronic acid-based hydrogels functionalized with heparin that support controlled release of bioactive BMP-2. Biomaterials, 2012, 33, 6113-6122.	11.4	168
51	Osteoblast-related transcription factors Runx2 (Cbfa1/AML3) and MSX2 mediate the expression of bone sialoprotein in human metastatic breast cancer cells. Cancer Research, 2003, 63, 2631-7.	0.9	165
52	Phenotype discovery by gene expression profiling: Mapping of biological processes linked to BMP-2-mediated osteoblast differentiation. Journal of Cellular Biochemistry, 2003, 89, 401-426.	2.6	164
53	Targeting of Runx2 by miR-135 and miR-203 Impairs Progression of Breast Cancer and Metastatic Bone Disease. Cancer Research, 2015, 75, 1433-1444.	0.9	164
54	Intranuclear targeting of AML/CBFÂ regulatory factors to nuclear matrix-associated transcriptional domains. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 1585-1589.	7.1	163

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55	Runx2 Transcriptional Activation of Indian Hedgehog and a Downstream Bone Metastatic Pathway in Breast Cancer Cells. Cancer Research, 2008, 68, 7795-7802.	0.9	160
56	Osteocalcin gene promoter-binding factors are tissue-specific nuclear matrix components.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 3162-3166.	7.1	156
57	Basic Fibroblast Growth Factor Stimulates Matrix Metalloproteinase-13 via the Molecular Cross-talk between the Mitogen-activated Protein Kinases and Protein Kinase CÎ´ Pathways in Human Adult Articular Chondrocytes. Journal of Biological Chemistry, 2007, 282, 11110-11121.	3.4	156
58	1,25-(OH)2-Vitamin D3 Suppresses the Bone-Related Runx2/Cbfa1 Gene Promoter. Experimental Cell Research, 2002, 274, 323-333.	2.6	154
59	Mitotic retention of gene expression patterns by the cell fate-determining transcription factor Runx2. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3189-3194.	7.1	152
60	Alteration of sensory neurons and spinal response to an experimental osteoarthritis pain model. Arthritis and Rheumatism, 2010, 62, 2995-3005.	6.7	149
61	HOXA10 Controls Osteoblastogenesis by Directly Activating Bone Regulatory and Phenotypic Genes. Molecular and Cellular Biology, 2007, 27, 3337-3352.	2.3	148
62	Dicer inactivation in osteoprogenitor cells compromises fetal survival and bone formation, while excision in differentiated osteoblasts increases bone mass in the adult mouse. Developmental Biology, 2010, 340, 10-21.	2.0	148
63	Autologous Mesenchymal Stem Cells, Applied in a Bioabsorbable Matrix, for Treatment of Perianal Fistulas in Patients With Crohn's Disease. Gastroenterology, 2017, 153, 59-62.e2.	1.3	147
64	Nuclear microenvironments in biological control and cancer. Nature Reviews Cancer, 2007, 7, 454-463.	28.4	144
65	Epigenetic Control of Skeletal Development by the Histone Methyltransferase Ezh2. Journal of Biological Chemistry, 2015, 290, 27604-27617.	3.4	144
66	Smad function and intranuclear targeting share a Runx2 motif required for osteogenic lineage induction and BMP2 responsive transcription. Journal of Cellular Physiology, 2005, 204, 63-72.	4.1	142
67	Mitotic bookmarking of genes: a novel dimension to epigenetic control. Nature Reviews Genetics, 2010, 11, 583-589.	16.3	142
68	Highâ€Resolution Molecular Validation of Selfâ€Renewal and Spontaneous Differentiation in Clinicalâ€Grade Adiposeâ€Tissue Derived Human Mesenchymal Stem Cells. Journal of Cellular Biochemistry, 2014, 115, 1816-1828.	2.6	142
69	Multiple Cbfa/AML Sites in the Rat Osteocalcin Promoter Are Required for Basal and Vitamin D-Responsive Transcription and Contribute to Chromatin Organization. Molecular and Cellular Biology, 1999, 19, 7491-7500.	2.3	141
70	Prostaglandin E₂ and its cognate EP receptors control human adult articular cartilage homeostasis and are linked to the pathophysiology of osteoarthritis. Arthritis and Rheumatism, 2009, 60, 513-523.	6.7	137
71	Survival responses of human embryonic stem cells to DNA damage. Journal of Cellular Physiology, 2009, 220, 586-592.	4.1	135
72	Biological Strategies for Improved Osseointegration and Osteoinduction of Porous Metal Orthopedic Implants. Tissue Engineering - Part B: Reviews, 2015, 21, 218-230.	4.8	135

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73	Nuclear Coactivator-62 kDa/Ski-interacting Protein Is a Nuclear Matrix-associated Coactivator That May Couple Vitamin D Receptor-mediated Transcription and RNA Splicing. Journal of Biological Chemistry, 2003, 278, 35325-35336.	3.4	133
74	Identification and validation of multiple cell surface markers of clinical-grade adipose-derived mesenchymal stromal cells as novel release criteria for good manufacturing practice-compliant production. Stem Cell Research and Therapy, 2016, 7, 107.	5.5	130
75	Inhibitory Effects of Insulin-like Growth Factor-1 and Osteogenic Protein-1 on Fibronectin Fragment- and Interleukin-1Î²-stimulated Matrix Metalloproteinase-13 Expression in Human Chondrocytes. Journal of Biological Chemistry, 2003, 278, 25386-25394.	3.4	126
76	Bone-Specific Transcription Factor Runx2 Interacts with the 1Î±,25-Dihydroxyvitamin D 3 Receptor To Up-Regulate Rat Osteocalcin Gene Expression in Osteoblastic Cells. Molecular and Cellular Biology, 2004, 24, 8847-8861.	2.3	126
77	Transcriptional control of the tissue-specific, developmentally regulated osteocalcin gene requires a binding motif for the Msx family of homeodomain proteins.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 12887-12891.	7.1	124
78	Fibroblast growth factor receptor 1 is principally responsible for fibroblast growth factor 2-induced catabolic activities in human articular chondrocytes. Arthritis Research and Therapy, 2011, 13, R130.	3.5	124
79	Genomic occupancy of Runx2 with global expression profiling identifies a novel dimension to control of osteoblastogenesis. Genome Biology, 2014, 15, R52.	9.6	122
80	Histone Deacetylases in Bone Development and Skeletal Disorders. Physiological Reviews, 2015, 95, 1359-1381.	28.8	122
81	Biological effects of melatonin on osteoblast/osteoclast cocultures, bone, and quality of life: Implications of a role for <scp>MT</scp>2 melatonin receptors, <scp>MEK</scp>1/2, and <scp>MEK</scp>5 in melatoninâ€mediated osteoblastogenesis. Journal of Pineal Research, 2018, 64, e12465.	7.4	122
82	Functional architecture of the nucleus: organizing the regulatory machinery for gene expression, replication and repair. Trends in Cell Biology, 2003, 13, 584-592.	7.9	121
83	Runx2 Regulates G Protein-coupled Signaling Pathways to Control Growth of Osteoblast Progenitors. Journal of Biological Chemistry, 2008, 283, 27585-27597.	3.4	114
84	Osteocalcin gene promoter: Unlocking the secrets for regulation of osteoblast growth and differentiation. , 1998, 72, 62-72.		112
85	Osteoblast-specific gene expression after transplantation of marrow cells: Implications for skeletal gene therapy. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 7294-7299.	7.1	112
86	Comparative proteomic analysis of extracellular vesicles isolated from porcine adipose tissue-derived mesenchymal stem/stromal cells. Scientific Reports, 2016, 6, 36120.	3.3	112
87	Estrogen Receptor Î± Mediates Proliferation of Osteoblastic Cells Stimulated by Estrogen and Mechanical Strain, but Their Acute Down-regulation of the Wnt Antagonist Sost Is Mediated by Estrogen Receptor Î². Journal of Biological Chemistry, 2013, 288, 9035-9048.	3.4	110
88	CDP/cut is the DNA-binding subunit of histone gene transcription factor HiNF-D: a mechanism for gene regulation at the G1/S phase cell cycle transition point independent of transcription factor E2F.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 11516-11521.	7.1	108
89	The dynamic organization of geneâ€regulatory machinery in nuclear microenvironments. EMBO Reports, 2005, 6, 128-133.	4.5	107
90	Control of Mesenchymal Lineage Progression by MicroRNAs Targeting Skeletal Gene Regulators Trps1 and Runx2. Journal of Biological Chemistry, 2012, 287, 21926-21935.	3.4	105

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91	Bone marrow-derived heparan sulfate potentiates the osteogenic activity of bone morphogenetic protein-2 (BMP-2). Bone, 2012, 50, 954-964.	2.9	105
92	Nomenclature for Runt-related (RUNX) proteins. Oncogene, 2004, 23, 4209-4210.	5.9	102
93	Altered Runx1 Subnuclear Targeting Enhances Myeloid Cell Proliferation and Blocks Differentiation by Activating a miR-24/MKP-7/MAPK Network. Cancer Research, 2009, 69, 8249-8255.	0.9	100
94	The cancerâ€related transcription factor Runx2 modulates cell proliferation in human osteosarcoma cell lines. Journal of Cellular Physiology, 2013, 228, 714-723.	4.1	100
95	Genetic Ablation of the CDP/Cux Protein C Terminus Results in Hair Cycle Defects and Reduced Male Fertility. Molecular and Cellular Biology, 2002, 22, 1424-1437.	2.3	98
96	Overlapping expression of Runx1(Cbfa2) and Runx2(Cbfa1) transcription factors supports cooperative induction of skeletal development. Journal of Cellular Physiology, 2005, 203, 133-143.	4.1	98
97	A Runx2 threshold for the cleidocranial dysplasia phenotype. Human Molecular Genetics, 2008, 18, 556-568.	2.9	97
98	MicroRNA-34c Inversely Couples the Biological Functions of the Runt-related Transcription Factor RUNX2 and the Tumor Suppressor p53 in Osteosarcoma. Journal of Biological Chemistry, 2013, 288, 21307-21319.	3.4	95
99	Pain assessment in animal models of osteoarthritis. Gene, 2014, 537, 184-188.	2.2	94
100	The t(8;21) chromosomal translocation in acute myelogenous leukemia modifies intranuclear targeting of the AML1/CBFalpha 2 transcription factor. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 14882-14887.	7.1	93
101	Reduced CpG methylation is associated with transcriptional activation of the bone-specific rat osteocalcin gene in osteoblasts*. Journal of Cellular Biochemistry, 2002, 85, 112-122.	2.6	93
102	Runx1/AML1 hematopoietic transcription factor contributes to skeletal development in vivo. Journal of Cellular Physiology, 2003, 196, 301-311.	4.1	93
103	YY1 regulates vitamin D receptor/retinoid X receptor mediated transactivation of the vitamin D responsive osteocalcinâ€‰gene. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 121-126.	7.1	92
104	Transcriptional Induction of the Osteocalcin Gene During Osteoblast Differentiation Involves Acetylation of Histones H3 and H4. Molecular Endocrinology, 2003, 17, 743-756.	3.7	92
105	The abbreviated pluripotent cell cycle. Journal of Cellular Physiology, 2013, 228, 9-20.	4.1	92
106	MicroRNA-146a reduces IL-1 dependent inflammatory responses in the intervertebral disc. Gene, 2015, 555, 80-87.	2.2	91
107	Basic Fibroblast Growth Factor Activates the MAPK and NFÎºB Pathways That Converge on Elk-1 to Control Production of Matrix Metalloproteinase-13 by Human Adult Articular Chondrocytes. Journal of Biological Chemistry, 2007, 282, 31409-31421.	3.4	90
108	SMARCA4 regulates gene expression and higher-order chromatin structure in proliferating mammary epithelial cells. Genome Research, 2016, 26, 1188-1201.	5.5	90

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109	Mitotic partitioning and selective reorganization of tissue-specific transcription factors in progeny cells. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14852-14857.	7.1	88
110	HiNF-P Directly Links the Cyclin E/CDK2/p220NPAT Pathway to Histone H4 Gene Regulation at the G1/S Phase Cell Cycle Transition. Molecular and Cellular Biology, 2005, 25, 6140-6153.	2.3	88
111	Nkx3.2-mediated Repression of Runx2 Promotes Chondrogenic Differentiation. Journal of Biological Chemistry, 2005, 280, 15872-15879.	3.4	87
112	The osteogenic transcription factor Runx2 regulates components of the fibroblast growth factor/proteoglycan signaling axis in osteoblasts. Journal of Cellular Biochemistry, 2009, 107, 144-154.	2.6	87
113	The influence of collagen and hyaluronan matrices on the delivery and bioactivity of bone morphogenetic protein-2 and ectopic bone formation. Acta Biomaterialia, 2013, 9, 9098-9106.	8.3	87
114	Phenotypic transcription factors epigenetically mediate cell growth control. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6632-6637.	7.1	86
115	Synergism between Wnt3a and Heparin Enhances Osteogenesis via a Phosphoinositide 3-Kinase/Akt/RUNX2 Pathway. Journal of Biological Chemistry, 2010, 285, 26233-26244.	3.4	86
116	Reprogramming the pluripotent cell cycle: Restoration of an abbreviated G1 phase in human induced pluripotent stem (iPS) cells. Journal of Cellular Physiology, 2011, 226, 1149-1156.	4.1	85
117	SWI/SNF chromatin remodeling complex is obligatory for BMP2-induced, Runx2-dependent skeletal gene expression that controls osteoblast differentiation. Journal of Cellular Biochemistry, 2005, 94, 720-730.	2.6	84
118	The dynamic broad epigenetic (H3K4me3, H3K27ac) domain as a mark of essential genes. Clinical Epigenetics, 2021, 13, 138.	4.1	84
119	Targeting of the YY1 transcription factor to the nucleolus and the nuclear matrix in situ: The C-terminus is a principal determinant for nuclear trafficking. , 1998, 68, 500-510.		83
120	Transcription factors RUNX1/AML1 and RUNX2/Cbfa1 dynamically associate with stationary subnuclear domains. Journal of Cell Science, 2002, 115, 4167-4176.	2.0	82
121	Inhibition of mutant IDH1 decreases D-2-HG levels without affecting tumorigenic properties of chondrosarcoma cell lines. Oncotarget, 2015, 6, 12505-12519.	1.8	81
122	Establishment of histone gene regulation and cell cycle checkpoint control in human embryonic stem cells. Journal of Cellular Physiology, 2007, 210, 517-526.	4.1	80
123	Ectopic Runx2 Expression in Mammary Epithelial Cells Disrupts Formation of Normal Acini Structure: Implications for Breast Cancer Progression. Cancer Research, 2009, 69, 6807-6814.	0.9	80
124	Epithelialâ€toâ€mesenchymal transition and cancer stem cells contribute to breast cancer heterogeneity. Journal of Cellular Physiology, 2018, 233, 9136-9144.	4.1	80
125	Cell Cycle Regulation of Histone H4 Gene Transcription Requires the Oncogenic Factor IRF-2. Journal of Biological Chemistry, 1998, 273, 194-199.	3.4	78
126	VRK1 Signaling Pathway in the Context of the Proliferation Phenotype in Head and Neck Squamous Cell Carcinoma. Molecular Cancer Research, 2006, 4, 177-185.	3.4	78

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127	Histone Deacetylase Inhibition Promotes Osteoblast Maturation by Altering the Histone H4 Epigenome and Reduces Akt Phosphorylation. Journal of Biological Chemistry, 2013, 288, 28783-28791.	3.4	78
128	Enhancer of Zeste Homolog 2 Inhibition Stimulates Bone Formation and Mitigates Bone Loss Caused by Ovariectomy in Skeletally Mature Mice. Journal of Biological Chemistry, 2016, 291, 24594-24606.	3.4	78
129	Primary mouse embryonic fibroblasts: A model of mesenchymal cartilage formation. Journal of Cellular Physiology, 2004, 200, 327-333.	4.1	77
130	The bone-related Zn finger transcription factor Osterix promotes proliferation of mesenchymal cells. Gene, 2006, 366, 145-151.	2.2	77
131	Staged assembly of histone gene expression machinery at subnuclear foci in the abbreviated cell cycle of human embryonic stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 16964-16969.	7.1	76
132	Specific Residues of RUNX2 Are Obligatory for Formation of BMP2-Induced RUNX2-SMAD Complex to Promote Osteoblast Differentiation. Cells Tissues Organs, 2009, 189, 133-137.	2.3	76
133	Bookmarking the Genome: Maintenance of Epigenetic Information. Journal of Biological Chemistry, 2011, 286, 18355-18361.	3.4	76
134	Integrated transcriptomic and proteomic analysis of the molecular cargo of extracellular vesicles derived from porcine adipose tissue-derived mesenchymal stem cells. PLoS ONE, 2017, 12, e0174303.	2.5	76
135	Two target sites for protein binding in the promoter region of a cell cycle regulated human H1 histone gene. Nucleic Acids Research, 1988, 16, 571-592.	14.5	75
136	Genomic Promoter Occupancy of Runt-related Transcription Factor RUNX2 in Osteosarcoma Cells Identifies Genes Involved in Cell Adhesion and Motility. Journal of Biological Chemistry, 2012, 287, 4503-4517.	3.4	75
137	Mesenchymal Stem Cell-Derived Extracellular Vesicles Improve the Renal Microvasculature in Metabolic Renovascular Disease in Swine. Cell Transplantation, 2018, 27, 1080-1095.	2.5	75
138	Cell cycle independent interaction of CDC2 with the centrosome, which is associated with the nuclear matrix-intermediate filament scaffold. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 3022-3027.	7.1	74
139	Runx2 deficiency and defective subnuclear targeting bypass senescence to promote immortalization and tumorigenic potential. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19861-19866.	7.1	74
140	Reconstitution of Runx2/Cbfa1â€null cells identifies a requirement for BMP2 signaling through a Runx2 functional domain during osteoblast differentiation. Journal of Cellular Biochemistry, 2007, 100, 434-449.	2.6	74
141	Molecular signatures of multiple myeloma progression through single cell RNA-Seq. Blood Cancer Journal, 2019, 9, 2.	6.2	74
142	Regulated Expression of the Bone-Specific Osteocalcin Gene by Vitamins and Hormones. Vitamins and Hormones, 1998, 55, 443-509.	1.7	73
143	Crystal Structure of the Nuclear Matrix Targeting Signal of the Transcription Factor Acute Myelogenous Leukemia-1/Polyoma Enhancer-binding Protein 2Î±B/Core Binding Factor Î±2. Journal of Biological Chemistry, 1999, 274, 33580-33586.	3.4	73
144	Altered Spinal MicroRNA-146a and the MicroRNA-183 Cluster Contribute to Osteoarthritic Pain in Knee Joints. Journal of Bone and Mineral Research, 2013, 28, 2512-2522.	2.8	73

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145	Proximal and distal regulatory elements that influence in vivo expression of a cell cycle-dependent human H4 histone gene.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 3982-3986.	7.1	71
146	In vivo occupancy of the vitamin D responsive element in the osteocalcin gene supports vitamin D-dependent transcriptional upregulation in intact cells.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 12902-12906.	7.1	71
147	Chromatin Remodeling and Transcriptional Activity of the Bone-specific Osteocalcin Gene Require CCAAT/Enhancer-binding Protein Î²-dependent Recruitment of SWI/SNF Activity*. Journal of Biological Chemistry, 2006, 281, 22695-22706.	3.4	71
148	Co-stimulation of the Bone-related Runx2 P1 Promoter in Mesenchymal Cells by SP1 and ETS Transcription Factors at Polymorphic Purine-rich DNA Sequences (Y-repeats). Journal of Biological Chemistry, 2009, 284, 3125-3135.	3.4	70
149	The heparan sulfate proteoglycan (HSPG) glypicanâ€3 mediates commitment of MC3T3â€E1 cells toward osteogenesis. Journal of Cellular Physiology, 2009, 220, 780-791.	4.1	68
150	The human SWI/SNF complex associates with RUNX1 to control transcription of hematopoietic target genes. Journal of Cellular Physiology, 2010, 225, 569-576.	4.1	68
151	Lactoferricin mediates antiâ€inflammatory and antiâ€catabolic effects via inhibition of ILâ€1 and LPS activity in the intervertebral disc. Journal of Cellular Physiology, 2013, 228, 1884-1896.	4.1	68
152	Human Mesenchymal Stem Cells Retain Multilineage Differentiation Capacity Including Neural Marker Expression after Extended In Vitro Expansion. PLoS ONE, 2015, 10, e0137255.	2.5	68
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