

# Andre J Van Wijnen

## List of Publications by Citations

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656  
papers

34,676  
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91  
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160  
g-index

700  
ext. papers

39,622  
ext. citations

5.7  
avg, IF

6.82  
L-index

#	Paper	IF	Citations
656	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. <i>Journal of Extracellular Vesicles</i> , <b>2018</b> , 7, 1535750	16.4	3642
655	Canonical WNT signaling promotes osteogenesis by directly stimulating Runx2 gene expression. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 33132-40	5.4	827
654	A microRNA signature for a BMP2-induced osteoblast lineage commitment program. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 13906-11	11.5	454
653	Biological functions of miR-29b contribute to positive regulation of osteoblast differentiation. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 15676-84	5.4	450
652	MicroRNA control of bone formation and homeostasis. <i>Nature Reviews Endocrinology</i> , <b>2012</b> , 8, 212-27	15.2	429
651	Runx2 control of organization, assembly and activity of the regulatory machinery for skeletal gene expression. <i>Oncogene</i> , <b>2004</b> , 23, 4315-29	9.2	402
650	Networks and hubs for the transcriptional control of osteoblastogenesis. <i>Reviews in Endocrine and Metabolic Disorders</i> , <b>2006</b> , 7, 1-16	10.5	357
649	Transcriptional control of osteoblast growth and differentiation. <i>Physiological Reviews</i> , <b>1996</b> , 76, 593-627	27.9	353
648	Regulatory Controls for Osteoblast Growth and Differentiation: Role of Runx/Cbfa/AML Factors. <i>Critical Reviews in Eukaryotic Gene Expression</i> , <b>2004</b> , 14, 1-42	1.3	346
647	Self-renewal of human embryonic stem cells is supported by a shortened G1 cell cycle phase. <i>Journal of Cellular Physiology</i> , <b>2006</b> , 209, 883-93	7	343
646	Expression of the osteoblast differentiation factor RUNX2 (Cbfa1/AML3/Pebp2alpha A) is inhibited by tumor necrosis factor-alpha. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 2695-701	5.4	338
645	A program of microRNAs controls osteogenic lineage progression by targeting transcription factor Runx2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 9863-8	11.5	332
644	Concise Review: Multifaceted Characterization of Human Mesenchymal Stem Cells for Use in Regenerative Medicine. <i>Stem Cells Translational Medicine</i> , <b>2017</b> , 6, 2173-2185	6.9	321
643	Tyrosine phosphorylation controls Runx2-mediated subnuclear targeting of YAP to repress transcription. <i>EMBO Journal</i> , <b>2004</b> , 23, 790-9	13	313
642	A network connecting Runx2, SATB2, and the miR-23a~27a~24-2 cluster regulates the osteoblast differentiation program. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 19879-84	11.5	282
641	Runx2 (Cbfa1, AML-3) interacts with histone deacetylase 6 and represses the p21(CIP1/WAF1) promoter. <i>Molecular and Cellular Biology</i> , <b>2002</b> , 22, 7982-92	4.8	275
640	A current review of molecular mechanisms regarding osteoarthritis and pain. <i>Gene</i> , <b>2013</b> , 527, 440-7	3.8	270

639	MicroRNAs 221 and 222 bypass quiescence and compromise cell survival. <i>Cancer Research</i> , <b>2008</b> , 68, 2773-80	11.5	230
638	The Runx2 osteogenic transcription factor regulates matrix metalloproteinase 9 in bone metastatic cancer cells and controls cell invasion. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 8581-91	4.8	246
637	Subnuclear targeting of Runx/Cbfa/AML factors is essential for tissue-specific differentiation during embryonic development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 8650-5	11.5	236
636	Cell growth regulatory role of Runx2 during proliferative expansion of preosteoblasts. <i>Cancer Research</i> , <b>2003</b> , 63, 5357-62	10.1	236
635	Transient upregulation of CBFA1 in response to bone morphogenetic protein-2 and transforming growth factor $\beta$ in C2C12 myogenic cells coincides with suppression of the myogenic phenotype but is not sufficient for osteoblast differentiation. <i>Journal of Cellular Biochemistry</i> , <b>1999</b> , 73, 114-125	4.7	231
634	Dlx3 transcriptional regulation of osteoblast differentiation: temporal recruitment of Msx2, Dlx3, and Dlx5 homeodomain proteins to chromatin of the osteocalcin gene. <i>Molecular and Cellular Biology</i> , <b>2004</b> , 24, 9248-61	4.8	230
633	The tissue-specific nuclear matrix protein, NMP-2, is a member of the AML/CBF/PEBP2/runt domain transcription factor family: interactions with the osteocalcin gene promoter. <i>Biochemistry</i> , <b>1995</b> , 34, 13125-32	3.2	227
632	Identification of a nuclear matrix targeting signal in the leukemia and bone-related AML/CBF-alpha transcription factors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1997</b> , 94, 6746-51	11.5	222
631	Transcriptional autoregulation of the bone related CBFA1/RUNX2 gene. <i>Journal of Cellular Physiology</i> , <b>2000</b> , 184, 341-50	7	221
630	Runx2 association with progression of prostate cancer in patients: mechanisms mediating bone osteolysis and osteoblastic metastatic lesions. <i>Oncogene</i> , <b>2010</b> , 29, 811-21	9.2	211
629	miR-218 directs a Wnt signaling circuit to promote differentiation of osteoblasts and osteomimicry of metastatic cancer cells. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 42084-92	5.4	210
628	Regulatory roles of Runx2 in metastatic tumor and cancer cell interactions with bone. <i>Cancer and Metastasis Reviews</i> , <b>2006</b> , 25, 589-600	9.6	209
627	MicroRNA and mRNA cargo of extracellular vesicles from porcine adipose tissue-derived mesenchymal stem cells. <i>Gene</i> , <b>2014</b> , 551, 55-64	3.8	193
626	The bone-specific expression of Runx2 oscillates during the cell cycle to support a G1-related antiproliferative function in osteoblasts. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 20274-85	5.4	193
625	Mitotic occupancy and lineage-specific transcriptional control of rRNA genes by Runx2. <i>Nature</i> , <b>2007</b> , 445, 442-6	50.4	187
624	Sp1 trans-activation of cell cycle regulated promoters is selectively repressed by Sp3. <i>Biochemistry</i> , <b>1995</b> , 34, 16503-8	3.2	179
623	Regulatory controls for osteoblast growth and differentiation: role of Runx/Cbfa/AML factors. <i>Critical Reviews in Eukaryotic Gene Expression</i> , <b>2004</b> , 14, 1-41	1.3	177
622	Regulation of the bone-specific osteocalcin gene by p300 requires Runx2/Cbfa1 and the vitamin D3 receptor but not p300 intrinsic histone acetyltransferase activity. <i>Molecular and Cellular Biology</i> , <b>2003</b> , 23, 3339-51	4.8	175

621	Mesenchymal stem cell-derived extracellular vesicles attenuate kidney inflammation. <i>Kidney International</i> , <b>2017</b> , 92, 114-124	9.9	174
620	Structural coupling of Smad and Runx2 for execution of the BMP2 osteogenic signal. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 8412-22	5.4	174
619	Integration of Runx and Smad regulatory signals at transcriptionally active subnuclear sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 8048-53	11.5	174
618	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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1990</b> , 87, 9990-4	11.5	173
617	BMP2 commitment to the osteogenic lineage involves activation of Runx2 by DLX3 and a homeodomain transcriptional network. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 40515-26	5.4	170
616	Activation of a cell-cycle-regulated histone gene by the oncogenic transcription factor IRF-2. <i>Nature</i> , <b>1995</b> , 377, 362-5	50.4	165
615	The nuclear matrix protein NMP-1 is the transcription factor YY1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1995</b> , 92, 10526-30	11.5	163
614	MicroRNA functions in osteogenesis and dysfunctions in osteoporosis. <i>Current Osteoporosis Reports</i> , <b>2013</b> , 11, 72-82	5.4	159
613	Impaired intranuclear trafficking of Runx2 (AML3/CBFA1) transcription factors in breast cancer cells inhibits osteolysis in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 1454-9	11.5	159
612	MicroRNA-146a is linked to pain-related pathophysiology of osteoarthritis. <i>Gene</i> , <b>2011</b> , 480, 34-41	3.8	158
611	Nuclear matrix association of multiple sequence-specific DNA binding activities related to SP-1, ATF, CCAAT, C/EBP, OCT-1, and AP-1. <i>Biochemistry</i> , <b>1993</b> , 32, 8397-402	3.2	158
610	Intranuclear targeting of AML/CBFalpha regulatory factors to nuclear matrix-associated transcriptional domains. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1998</b> , 95, 1585-9	11.5	153
609	Phenotype discovery by gene expression profiling: mapping of biological processes linked to BMP-2-mediated osteoblast differentiation. <i>Journal of Cellular Biochemistry</i> , <b>2003</b> , 89, 401-26	4.7	152
608	The histone H3.3K36M mutation reprograms the epigenome of chondroblastomas. <i>Science</i> , <b>2016</b> , 352, 1344-8	33.3	151
607	Hyaluronic acid-based hydrogels functionalized with heparin that support controlled release of bioactive BMP-2. <i>Biomaterials</i> , <b>2012</b> , 33, 6113-22	15.6	146
606	Runx2 transcriptional activation of Indian Hedgehog and a downstream bone metastatic pathway in breast cancer cells. <i>Cancer Research</i> , <b>2008</b> , 68, 7795-802	10.1	146
605	Osteoblast-related transcription factors Runx2 (Cbfa1/AML3) and MSX2 mediate the expression of bone sialoprotein in human metastatic breast cancer cells. <i>Cancer Research</i> , <b>2003</b> , 63, 2631-7	10.1	146
604	Basic fibroblast growth factor stimulates matrix metalloproteinase-13 via the molecular cross-talk between the mitogen-activated protein kinases and protein kinase Cdelta pathways in human adult articular chondrocytes. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 11110-21	5.4	141

603	Osteocalcin gene promoter-binding factors are tissue-specific nuclear matrix components. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1993</b> , 90, 3162-6	11.5	140
602	1,25-(OH) <sub>2</sub> -vitamin D <sub>3</sub> suppresses the bone-related Runx2/Cbfa1 gene promoter. <i>Experimental Cell Research</i> , <b>2002</b> , 274, 323-33	4.2	137
601	Targeting of Runx2 by miR-135 and miR-203 Impairs Progression of Breast Cancer and Metastatic Bone Disease. <i>Cancer Research</i> , <b>2015</b> , 75, 1433-44	10.1	136
600	Mitotic retention of gene expression patterns by the cell fate-determining transcription factor Runx2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 3189-94	11.5	136
599	Multiple Cbfa/AML sites in the rat osteocalcin promoter are required for basal and vitamin D-responsive transcription and contribute to chromatin organization. <i>Molecular and Cellular Biology</i> , <b>1999</b> , 19, 7491-500	4.8	132
598	HOXA10 controls osteoblastogenesis by directly activating bone regulatory and phenotypic genes. <i>Molecular and Cellular Biology</i> , <b>2007</b> , 27, 3337-52	4.8	130
597	Smad function and intranuclear targeting share a Runx2 motif required for osteogenic lineage induction and BMP2 responsive transcription. <i>Journal of Cellular Physiology</i> , <b>2005</b> , 204, 63-72	7	129
596	Alteration of sensory neurons and spinal response to an experimental osteoarthritis pain model. <i>Arthritis and Rheumatism</i> , <b>2010</b> , 62, 2995-3005		127
595	Nuclear coactivator-62 kDa/Ski-interacting protein is a nuclear matrix-associated coactivator that may couple vitamin D receptor-mediated transcription and RNA splicing. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 35325-36	5.4	127
594	Nuclear microenvironments in biological control and cancer. <i>Nature Reviews Cancer</i> , <b>2007</b> , 7, 454-63	31.3	126
593	Dicer inactivation in osteoprogenitor cells compromises fetal survival and bone formation, while excision in differentiated osteoblasts increases bone mass in the adult mouse. <i>Developmental Biology</i> , <b>2010</b> , 340, 10-21	3.1	125
592	Survival responses of human embryonic stem cells to DNA damage. <i>Journal of Cellular Physiology</i> , <b>2009</b> , 220, 586-92	7	124
591	High-resolution molecular validation of self-renewal and spontaneous differentiation in clinical-grade adipose-tissue derived human mesenchymal stem cells. <i>Journal of Cellular Biochemistry</i> , <b>2014</b> , 115, 1816-28	4.7	123
590	Chromatin interaction analysis reveals changes in small chromosome and telomere clustering between epithelial and breast cancer cells. <i>Genome Biology</i> , <b>2015</b> , 16, 214	18.3	123
589	Life-Course Genome-wide Association Study Meta-analysis of Total Body BMD and Assessment of Age-Specific Effects. <i>American Journal of Human Genetics</i> , <b>2018</b> , 102, 88-102	11	119
588	Prostaglandin E <sub>2</sub> and its cognate EP receptors control human adult articular cartilage homeostasis and are linked to the pathophysiology of osteoarthritis. <i>Arthritis and Rheumatism</i> , <b>2009</b> , 60, 513-23		116
587	Transcriptional control of the tissue-specific, developmentally regulated osteocalcin gene requires a binding motif for the Msx family of homeodomain proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1994</b> , 91, 12887-91	11.5	116
586	Bone-specific transcription factor Runx2 interacts with the 1 $\alpha$ ,25-dihydroxyvitamin D <sub>3</sub> receptor to up-regulate rat osteocalcin gene expression in osteoblastic cells. <i>Molecular and Cellular Biology</i> , <b>2004</b> , 24, 8847-61	4.8	115

585	Mitotic bookmarking of genes: a novel dimension to epigenetic control. <i>Nature Reviews Genetics</i> , <b>2010</b> , 11, 583-9	30.1	114
584	Inhibitory effects of insulin-like growth factor-1 and osteogenic protein-1 on fibronectin fragment- and interleukin-1beta-stimulated matrix metalloproteinase-13 expression in human chondrocytes. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 25386-94	5.4	112
583	Functional architecture of the nucleus: organizing the regulatory machinery for gene expression, replication and repair. <i>Trends in Cell Biology</i> , <b>2003</b> , 13, 584-92	18.3	110
582	Epigenetic Control of Skeletal Development by the Histone Methyltransferase Ezh2. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 27604-17	5.4	108
581	Autologous Mesenchymal Stem Cells, Applied in a Bioabsorbable Matrix, for Treatment of Perianal Fistulas in Patients With Crohn's Disease. <i>Gastroenterology</i> , <b>2017</b> , 153, 59-62.e2	13.3	107
580	Osteoblast-specific gene expression after transplantation of marrow cells: implications for skeletal gene therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1999</b> , 96, 7294-9	11.5	104
579	Runx2 regulates G protein-coupled signaling pathways to control growth of osteoblast progenitors. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 27585-27597	5.4	102
578	The dynamic organization of gene-regulatory machinery in nuclear microenvironments. <i>EMBO Reports</i> , <b>2005</b> , 6, 128-33	6.5	100
577	Osteocalcin gene promoter: Unlocking the secrets for regulation of osteoblast growth and differentiation. <i>Journal of Cellular Biochemistry</i> , <b>1998</b> , 72 Suppl 30-31, 62-72	4.7	99
576	Biological strategies for improved osseointegration and osteoinduction of porous metal orthopedic implants. <i>Tissue Engineering - Part B: Reviews</i> , <b>2015</b> , 21, 218-30	7.9	97
575	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. <i>Stem Cell Research and Therapy</i> , <b>2016</b> , 7, 107	8.3	97
574	Genomic occupancy of Runx2 with global expression profiling identifies a novel dimension to control of osteoblastogenesis. <i>Genome Biology</i> , <b>2014</b> , 15, R52	18.3	95
573	Altered Runx1 subnuclear targeting enhances myeloid cell proliferation and blocks differentiation by activating a miR-24/MKP-7/MAPK network. <i>Cancer Research</i> , <b>2009</b> , 69, 8249-55	10.1	95
572	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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1996</b> , 93, 11516-21	11.5	95
571	Histone Deacetylases in Bone Development and Skeletal Disorders. <i>Physiological Reviews</i> , <b>2015</b> , 95, 1359-84	17.0	94
570	Fibroblast growth factor receptor 1 is principally responsible for fibroblast growth factor 2-induced catabolic activities in human articular chondrocytes. <i>Arthritis Research and Therapy</i> , <b>2011</b> , 13, R130	5.7	94
569	Overlapping expression of Runx1(Cbfa2) and Runx2(Cbfa1) transcription factors supports cooperative induction of skeletal development. <i>Journal of Cellular Physiology</i> , <b>2005</b> , 203, 133-43	7	92
568	The t(8;21) chromosomal translocation in acute myelogenous leukemia modifies intranuclear targeting of the AML1/CBFalpha2 transcription factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1999</b> , 96, 14882-7	11.5	92

567	Comparative proteomic analysis of extracellular vesicles isolated from porcine adipose tissue-derived mesenchymal stem/stromal cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 36120	4.9	91
566	Nomenclature for Runt-related (RUNX) proteins. <i>Oncogene</i> , <b>2004</b> , 23, 4209-10	9.2	91
565	Bone marrow-derived heparan sulfate potentiates the osteogenic activity of bone morphogenetic protein-2 (BMP-2). <i>Bone</i> , <b>2012</b> , 50, 954-64	4.7	89
564	Control of mesenchymal lineage progression by microRNAs targeting skeletal gene regulators Trps1 and Runx2. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 21926-35	5.4	89
563	The cancer-related transcription factor Runx2 modulates cell proliferation in human osteosarcoma cell lines. <i>Journal of Cellular Physiology</i> , <b>2013</b> , 228, 714-23	7	87
562	YY1 regulates vitamin D receptor/retinoid X receptor mediated transactivation of the vitamin D responsive osteocalcin gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1997</b> , 94, 121-6	11.5	86
561	Transcriptional induction of the osteocalcin gene during osteoblast differentiation involves acetylation of histones h3 and h4. <i>Molecular Endocrinology</i> , <b>2003</b> , 17, 743-56		85
560	Genetic ablation of the CDP/Cux protein C terminus results in hair cycle defects and reduced male fertility. <i>Molecular and Cellular Biology</i> , <b>2002</b> , 22, 1424-37	4.8	85
559	MicroRNA-34c inversely couples the biological functions of the runt-related transcription factor RUNX2 and the tumor suppressor p53 in osteosarcoma. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 21307-21319	5.4	82
558	Runx1/AML1 hematopoietic transcription factor contributes to skeletal development in vivo. <i>Journal of Cellular Physiology</i> , <b>2003</b> , 196, 301-11	7	82
557	MicroRNA-146a reduces IL-1 dependent inflammatory responses in the intervertebral disc. <i>Gene</i> , <b>2015</b> , 555, 80-7	3.8	81
556	Mitotic partitioning and selective reorganization of tissue-specific transcription factors in progeny cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 14852-7	11.5	81
555	The abbreviated pluripotent cell cycle. <i>Journal of Cellular Physiology</i> , <b>2013</b> , 228, 9-20	7	80
554	Estrogen receptor $\beta$ 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 $\alpha$ . <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 9035-48	5.4	80
553	A Runx2 threshold for the cleidocranial dysplasia phenotype. <i>Human Molecular Genetics</i> , <b>2009</b> , 18, 556-68	6.6	79
552	Biological effects of melatonin on osteoblast/osteoclast cocultures, bone, and quality of life: Implications of a role for MT2 melatonin receptors, MEK1/2, and MEK5 in melatonin-mediated osteoblastogenesis. <i>Journal of Pineal Research</i> , <b>2018</b> , 64, e12465	10.4	78
551	The influence of collagen and hyaluronan matrices on the delivery and bioactivity of bone morphogenetic protein-2 and ectopic bone formation. <i>Acta Biomaterialia</i> , <b>2013</b> , 9, 9098-106	10.8	78
550	Basic fibroblast growth factor activates the MAPK and NFkappaB pathways that converge on Elk-1 to control production of matrix metalloproteinase-13 by human adult articular chondrocytes. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 31409-21	5.4	78

549	Reduced CpG methylation is associated with transcriptional activation of the bone-specific rat osteocalcin gene in osteoblasts*. <i>Journal of Cellular Biochemistry</i> , <b>2002</b> , 85, 112-122	4.7	78
548	SWI/SNF chromatin remodeling complex is obligatory for BMP2-induced, Runx2-dependent skeletal gene expression that controls osteoblast differentiation. <i>Journal of Cellular Biochemistry</i> , <b>2005</b> , 94, 720-30	4.7	78
547	HiNF-P directly links the cyclin E/CDK2/p220NPAT pathway to histone H4 gene regulation at the G1/S phase cell cycle transition. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 6140-53	4.8	76
546	Establishment of histone gene regulation and cell cycle checkpoint control in human embryonic stem cells. <i>Journal of Cellular Physiology</i> , <b>2007</b> , 210, 517-26	7	75
545	The bone-related Zn finger transcription factor Osterix promotes proliferation of mesenchymal cells. <i>Gene</i> , <b>2006</b> , 366, 145-51	3.8	75
544	Two target sites for protein binding in the promoter region of a cell cycle regulated human H1 histone gene. <i>Nucleic Acids Research</i> , <b>1988</b> , 16, 571-92	20.1	75
543	Ectopic runx2 expression in mammary epithelial cells disrupts formation of normal acini structure: implications for breast cancer progression. <i>Cancer Research</i> , <b>2009</b> , 69, 6807-14	10.1	74
542	Phenotypic transcription factors epigenetically mediate cell growth control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 6632-7	11.5	74
541	Transcription factors RUNX1/AML1 and RUNX2/Cbfa1 dynamically associate with stationary subnuclear domains. <i>Journal of Cell Science</i> , <b>2002</b> , 115, 4167-76	5.3	74
540	Primary mouse embryonic fibroblasts: a model of mesenchymal cartilage formation. <i>Journal of Cellular Physiology</i> , <b>2004</b> , 200, 327-33	7	73
539	Nkx3.2-mediated repression of Runx2 promotes chondrogenic differentiation. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 15872-9	5.4	73
538	The osteogenic transcription factor Runx2 regulates components of the fibroblast growth factor/proteoglycan signaling axis in osteoblasts. <i>Journal of Cellular Biochemistry</i> , <b>2009</b> , 107, 144-54	4.7	71
537	Cell cycle regulation of histone H4 gene transcription requires the oncogenic factor IRF-2. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 194-9	5.4	71
536	Proximal and distal regulatory elements that influence in vivo expression of a cell cycle-dependent human H4 histone gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1987</b> , 84, 3982-6	11.5	70
535	Reprogramming the pluripotent cell cycle: restoration of an abbreviated G1 phase in human induced pluripotent stem (iPS) cells. <i>Journal of Cellular Physiology</i> , <b>2011</b> , 226, 1149-56	7	69
534	Cell cycle independent interaction of CDC2 with the centrosome, which is associated with the nuclear matrix-intermediate filament scaffold. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1997</b> , 94, 3022-7	11.5	69
533	Pain assessment in animal models of osteoarthritis. <i>Gene</i> , <b>2014</b> , 537, 184-8	3.8	68
532	Genomic promoter occupancy of runt-related transcription factor RUNX2 in Osteosarcoma cells identifies genes involved in cell adhesion and motility. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 4503-17	5.4	68



531	Specific residues of RUNX2 are obligatory for formation of BMP2-induced RUNX2-SMAD complex to promote osteoblast differentiation. <i>Cells Tissues Organs</i> , <b>2009</b> , 189, 133-7	2.1	68
530	Reconstitution of Runx2/Cbfa1-null cells identifies a requirement for BMP2 signaling through a Runx2 functional domain during osteoblast differentiation. <i>Journal of Cellular Biochemistry</i> , <b>2007</b> , 100, 434-49	4.7	68
529	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 <b>1998</b> , 68, 500-510		67
528	Runx2 deficiency and defective subnuclear targeting bypass senescence to promote immortalization and tumorigenic potential. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 19861-6	11.5	67
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