Takeshi Kawamoto

List of Publications by Year
in descending order

107 papers	7,724 citations	47006 47 h-index	53230 85 g-index
107 all docs	107 docs citations	107 times ranked	6222 citing authors

#	Article	IF	Citations
1	Study of Alveolar Bone Remodeling Using Deciduous Tooth Stem Cells and Hydroxyapatite by Vascular Endothelial Growth Factor Enhancement and Inhibition of Matrix Metalloproteinase-8 Expression in vivo. Clinical, Cosmetic and Investigational Dentistry, 2022, Volume 14, 71-78.	1.6	7
2	CHRONO and DEC1/DEC2 compensate for lack of CRY1/CRY2 in expression of coherent circadian rhythm but not in generation of circadian oscillation in the neonatal mouse SCN. Scientific Reports, 2021, 11, 19240.	3.3	6
3	Use of the superiorly-based facial artery musculomucosal flap for defect reconstruction in stage 3 medication-related osteonecrosis of the maxilla: Technical note. Journal of Dental Sciences, 2021, 16, 1305-1307.	2.5	0
4	The Identification of Marker Genes for Predicting the Osteogenic Differentiation Potential of Mesenchymal Stromal Cells. Current Issues in Molecular Biology, 2021, 43, 2157-2166.	2.4	6
5	DEC1 regulates the rhythmic expression of PPARÎ³ target genes involved in lipid metabolism in white adipose tissue. Genes To Cells, 2020, 25, 232-241.	1.2	15
6	Potential Marker Genes for Predicting Adipogenic Differentiation of Mesenchymal Stromal Cells. Applied Sciences (Switzerland), 2019, 9, 2942.	2.5	3
7	Genetic Markers Can Predict Chondrogenic Differentiation Potential in Bone Marrow-Derived Mesenchymal Stromal Cells. Stem Cells International, 2018, 2018, 1-9.	2.5	15
8	Deficiency of the basic helixâ€loopâ€helix transcription factor <scp>DEC</scp>1 prevents obesity induced by a highâ€fat diet in mice. Genes To Cells, 2018, 23, 658-669.	1.2	15
9	Dec1 and CLOCK Regulate Na⁺/K⁺-ATPase Î²1 Subunit Expression and Blood Pressure. Hypertension, 2018, 72, 746-754.	2.7	32
10	Differentiated embryo chondrocyte plays a crucial role in DNA damage response via transcriptional regulation under hypoxic conditions. PLoS ONE, 2018, 13, e0192136.	2.5	9
11	Role of MSX1 in Osteogenic Differentiation of Human Dental Pulp Stem Cells. Stem Cells International, 2016, 2016, 1-13.	2.5	37
12	DEC2 is a negative regulator for the proliferation and differentiation of chondrocyte lineage-committed mesenchymal stem cells. International Journal of Molecular Medicine, 2016, 38, 876-884.	4.0	11
13	Rhythmic expression of DEC2 protein in vitro and in vivo. Biomedical Reports, 2016, 4, 704-710.	2.0	11
14	Basic helix-loop-helix transcription factor DEC1 regulates the cisplatin-induced apoptotic pathway of human esophageal cancer cells . Biomedical Research, 2015, 36, 89-96.	0.9	17
15	Involvement of c-Myc in the proliferation of MCF-7 human breast cancer cells induced by bHLH transcription factor DEC2. International Journal of Molecular Medicine, 2015, 35, 815-820.	4.0	22
16	Characteristic expression of MSX1, MSX2, TBX2 and ENTPD1 in dental pulp cells. Biomedical Reports, 2015, 3, 566-572.	2.0	11
17	DEC1/STRA13/SHARP2 and DEC2/SHARP1 Coordinate Physiological Processes, Including Circadian Rhythms in Response to Environmental Stimuli. Current Topics in Developmental Biology, 2014, 110, 339-372.	2.2	78
18	Mesenchymal stem cells ameliorate experimental peritoneal fibrosis by suppressing inflammation and inhibiting TGF-Î²1 signaling. Kidney International, 2013, 84, 297-307.	5.2	104

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19	Different circadian expression of major matrix-related genes in various types of cartilage: modulation by lightâ€“dark conditions. Journal of Biochemistry, 2013, 154, 373-381.	1.7	24
20	BHLH transcription factor DEC2 regulates pro-apoptotic factor Bim in human oral cancer HSC-3 cells. Biomedical Research, 2012, 33, 75-82.	0.9	29
21	The basic helix-loop-helix transcription factor DEC2 inhibits TGF-Î²-induced tumor progression in human pancreatic cancer BxPC-3 cells. International Journal of Molecular Medicine, 2012, 30, 495-501.	4.0	26
22	Smad3 and Snail show circadian expression in human gingival fibroblasts, human mesenchymal stem cell, and in mouse liver. Biochemical and Biophysical Research Communications, 2012, 419, 441-446.	2.1	33
23	ILâ€1Î²â€mediated upâ€regulation of DEC1 in human gingiva cells via the Akt pathway. Journal of Cellular Biochemistry, 2012, 113, 3246-3253.	2.6	25
24	Identification of a new clock-related element EL-box involved in circadian regulation by BMAL1/CLOCK and HES1. Gene, 2012, 510, 118-125.	2.2	8
25	The BHLH transcription factor DEC1 plays an important role in the epithelial-mesenchymal transition of pancreatic cancer. International Journal of Oncology, 2012, 41, 1337-1346.	3.3	68
26	Regulation of basic helixâ€loopâ€helix transcription factors <i>Dec1</i> and <i>Dec2</i> by RORÎ± and their roles in adipogenesis^{â€}. Genes To Cells, 2012, 17, 109-121.	1.2	22
27	Impact of Zinc Fingers and Homeoboxes 3 on the Regulation of Mesenchymal Stem Cell Osteogenic Differentiation. Stem Cells and Development, 2011, 20, 1539-1547.	2.1	17
28	Basic helix-loop-helix transcription factors DEC1 and DEC2 regulate the paclitaxel-induced apoptotic pathway of MCF-7 human breast cancer cells. International Journal of Molecular Medicine, 2011, 27, 491-5.	4.0	37
29	Basic helixâ€loopâ€helix transcription factor DEC1 negatively regulates cyclin D1. Journal of Pathology, 2011, 224, 420-429.	4.5	50
30	Antiâ€apoptotic effect of the basic helixâ€loopâ€helix (bHLH) transcription factor DEC2 in human breast cancer cells. Genes To Cells, 2010, 15, 315-325.	1.2	64
31	The Basic Helix-Loop-Helix Proteins Differentiated Embryo Chondrocyte (DEC) 1 and DEC2 Function as Corepressors of Retinoid X Receptors. Molecular Pharmacology, 2009, 76, 1360-1369.	2.3	53
32	Liver X receptors (LXRÎ± and LXRÎ²) are potent regulators for hepatic <i>Dec1</i> expression. Genes To Cells, 2009, 14, 29-40.	1.2	30
33	Identification of mesenchymal stem cell (MSC)â€transcription factors by microarray and knockdown analyses, and signature moleculeâ€marked MSC in bone marrow by immunohistochemistry. Genes To Cells, 2009, 14, 407-424.	1.2	108
34	Human mismatch repair gene, MLH1, is transcriptionally repressed by the hypoxia-inducible transcription factors, DEC1 and DEC2. Oncogene, 2008, 27, 4200-4209.	5.9	81
35	Activation of TGF-Î²/activin signalling resets the circadian clock through rapid induction of Dec1 transcripts. Nature Cell Biology, 2008, 10, 1463-1469.	10.3	117
36	Basicâ€helixâ€loopâ€helix (bHLH) transcription factor DEC2 negatively regulates vascular endothelial growth factor expression. Genes To Cells, 2008, 13, 131-144.	1.2	74

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37	DEC1 Modulates the Circadian Phase of Clock Gene Expression. Molecular and Cellular Biology, 2008, 28, 4080-4092.	2.3	139
38	Selection of Common Markers for Bone Marrow Stromal Cells from Various Bones Using Real-Time RT-PCR: Effects of Passage Number and Donor Age. Tissue Engineering, 2007, 13, 2405-2417.	4.6	47
39	Differential regulation of DEC2 among hypoxia-inducible genes in endometrial carcinomas. Oncology Reports, 2007, 17, 871.	2.6	10
40	Transcriptional repression by the basic helix-loop-helix protein Dec2: Multiple mechanisms through E-box elements. International Journal of Molecular Medicine, 2007, , .	4.0	18
41	Multiple Mechanisms Regulate Circadian Expression of the Gene for Cholesterol 7Î±-Hydroxylase<i>(Cyp7a)</i>, a Key Enzyme in Hepatic Bile Acid Biosynthesis. Journal of Biological Rhythms, 2007, 22, 299-311.	2.6	81
42	Differential regulation of DEC2 among hypoxia-inducible genes in endometrial carcinomas. Oncology Reports, 2007, 17, 871-8.	2.6	20
43	Transcriptional repression by the basic helix-loop-helix protein Dec2: multiple mechanisms through E-box elements. International Journal of Molecular Medicine, 2007, 19, 925-32.	4.0	41
44	57Arg in the bHLH transcription factor DEC2 is essential for the suppression of CLOCK/BMAL2-mediated transactivation. International Journal of Molecular Medicine, 2006, 17, 1053.	4.0	2
45	Effects of overexpression of basic helixâ€“loopâ€“helix transcription factor Dec1 on osteogenic and adipogenic differentiation of mesenchymal stem cells. European Journal of Cell Biology, 2006, 85, 423-431.	3.6	54
46	Effects of Fasting and Re-Feeding on the Expression of Dec1, Per1, and Other Clock-Related Genes. Journal of Biochemistry, 2006, 140, 401-408.	1.7	64
47	57Arg in the bHLH transcription factor DEC2 is essential for the suppression of CLOCK/BMAL2-mediated transactivation. International Journal of Molecular Medicine, 2006, 17, 1053-6.	4.0	12
48	Tissue-Specific Disruption of Rhythmic Expression of Dec1 and Dec2 in Clock Mutant Mice. Journal of Biological Rhythms, 2005, 20, 404-418.	2.6	44
49	Clock Gene Expression in the Submandibular Glands. Journal of Dental Research, 2005, 84, 1193-1197.	5.2	25
50	Dec1 and Dec2 Expression is Disrupted in the Suprachiasmatic Nuclei of Clock Mutant Mice. Journal of Biological Rhythms, 2004, 19, 126-134.	2.6	25
51	Expression of the gene for Dec2, a basic helixâ€“loopâ€“helix transcription factor, is regulated by a molecular clock system. Biochemical Journal, 2004, 382, 43-50.	3.7	81
52	Functional analysis of the basic helix-loop-helix transcription factor DEC1 in circadian regulation. Interaction with BMAL1. FEBS Journal, 2004, 271, 4409-4419.	0.2	92
53	Rhythmic expression of DEC1 and DEC2 in peripheral tissues: DEC2 is a potent suppressor for hepatic cytochrome P450s opposing DBP. Genes To Cells, 2004, 9, 317-329.	1.2	59
54	A novel autofeedback loop of Dec1 transcription involved in circadian rhythm regulation. Biochemical and Biophysical Research Communications, 2004, 313, 117-124.	2.1	104

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55	Identification of the nuclear receptor CAR:HSP90 complex in mouse liver and recruitment of protein phosphatase 2A in response to phenobarbital. FEBS Letters, 2003, 548, 17-20.	2.8	147
56	The role of the nuclear receptor CAR as a coordinate regulator of hepatic gene expression in defense against chemical toxicity. Archives of Biochemistry and Biophysics, 2003, 409, 207-211.	3.0	64
57	Identification of Functional Hypoxia Response Elements in the Promoter Region of the DEC1 and DEC2 Genes. Journal of Biological Chemistry, 2002, 277, 47014-47021.	3.4	197
58	Effects of Overexpression of Membrane-bound Transferrin-like Protein (MTf) on Chondrogenic Differentiation in Vitro. Journal of Biological Chemistry, 2002, 277, 48579-48586.	3.4	11
59	Basic Helix-loop-helix Protein DEC1 Promotes Chondrocyte Differentiation at the Early and Terminal Stages. Journal of Biological Chemistry, 2002, 277, 50112-50120.	3.4	99
60	Nucleotide sequences of the plastid and nuclear chromosome I of the unicellular red alga <i>Cyanidioschyzon merolae</i>. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2002, 78, 299-304.	3.8	1
61	Dec1 and Dec2 are regulators of the mammalian molecular clock. Nature, 2002, 419, 841-844.	27.8	588
62	Direct Inhibition of Indian Hedgehog Expression by Parathyroid Hormone (PTH)/PTH-Related Peptide and Up-Regulation by Retinoic Acid in Growth Plate Chondrocyte Cultures. Experimental Cell Research, 2001, 265, 64-72.	2.6	42
63	Gene Structure and Chromosomal Location of a Human bHLH Transcriptional Factor DEC1-Stra13-SHARP-2/BHLHB2. Journal of Biochemistry, 2001, 129, 391-396.	1.7	26
64	Structure and promoter analysis of the mouse membrane-bound transferrin-like protein (MTf) gene. FEBS Journal, 2001, 268, 1468-1476.	0.2	4
65	Chondrocyte-derived ezrin-like domain containing protein (CDEP), a rho guanine nucleotide exchange factor, is inducible in chondrocytes by parathyroid hormone and cyclic AMP and has transforming activity in NIH3T3 Cells. Osteoarthritis and Cartilage, 2001, 9, S64-S68.	1.3	14
66	Induction of basic helix-loop-helix protein DEC1 (BHLHB2)/Stra13/Sharp2 in response to the cyclic adenosine monophosphate pathway. European Journal of Cell Biology, 2001, 80, 329-334.	3.6	38
67	The Peptide Near the C Terminus Regulates Receptor CAR Nuclear Translocation Induced by Xenochemicals in Mouse Liver. Molecular and Cellular Biology, 2001, 21, 2838-2846.	2.3	152
68	Archaeal adaptation to higher temperatures revealed by genomic sequence of Thermoplasma volcanium. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 14257-14262.	7.1	182
69	Estrogen Activation of the Nuclear Orphan Receptor CAR (Constitutive Active Receptor) in Induction of the Mouse<i>Cyp2b10</i>Gene. Molecular Endocrinology, 2000, 14, 1897-1905.	3.7	153
70	Estrogen Activation of the Nuclear Orphan Receptor CAR (Constitutive Active Receptor) in Induction of the Mouse Cyp2b10 Gene. Molecular Endocrinology, 2000, 14, 1897-1905.	3.7	50
71	Phenobarbital-Responsive Nuclear Translocation of the Receptor CAR in Induction of the <i>CYP2B</i> Gene. Molecular and Cellular Biology, 1999, 19, 6318-6322.	2.3	523
72	Retinol-Binding Protein Is Produced by Rabbit Chondrocytes and Responds to Parathyroid Hormone (PTH)/PTH-Related Peptide-Cyclic Adenosine Monophosphate Pathway. Endocrinology, 1999, 140, 1075-1081.	2.8	8

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73	The Repressed Nuclear Receptor CAR Responds to Phenobarbital in Activating the Human CYP2B6 Gene. Journal of Biological Chemistry, 1999, 274, 6043-6046.	3.4	600
74	Enhancement of Cell Adhesion and Spreading by a Cartilage-specific Noncollagenous Protein, Cartilage Matrix Protein (CMP/Matrilin-1), via Integrin Î±1Î²1. Journal of Biological Chemistry, 1999, 274, 11417-11423.	3.4	68
75	Membrane-bound transferrin-like protein (MTf): structure, evolution and selective expression during chondrogenic differentiation of mouse embryonic cells. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1999, 1447, 258-264.	2.4	33
76	RGD-CAP (Î²ig-h3) enhances the spreading of chondrocytes and fibroblasts via integrin Î±1Î²1. Biochimica Et Biophysica Acta - Molecular Cell Research, 1999, 1451, 196-205.	4.1	92
77	Determination of the complete genomic DNA sequence of <i>Thermoplasma volcanium</i> GSS1. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1999, 75, 213-218.	3.8	20
78	Retinol-Binding Protein Is Produced by Rabbit Chondrocytes and Responds to Parathyroid Hormone (PTH)/PTH-Related Peptide-Cyclic Adenosine Monophosphate Pathway. Endocrinology, 1999, 140, 1075-1081.	2.8	3
79	Structural and phylogenetic analyses of RGD-CAP/Î²ig-h3, a fasciclin-like adhesion protein expressed in chick chondrocytes. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1998, 1395, 288-292.	2.4	110
80	Expression of membrane-bound transferrin-like protein p97 on the cell surface of chondrocytes. FEBS Journal, 1998, 256, 503-509.	0.2	29
81	Differential effects of various growth factors and cytokines on the syntheses of DNA, type I collagen, laminin, fibronectin, osteonectin/secreted protein, acidic and rich in cysteine (SPARC), and alkaline phosphatase by human pulp cells in culture. , 1998, 174, 194-205.		107
82	Role of chondroitin sulfateâ€“hyaluronan interactions in the viscoelastic properties of extracellular matrices and fluids. Biochimica Et Biophysica Acta - General Subjects, 1998, 1380, 1-9.	2.4	62
83	Effects of Parathyroid Hormone (PTH) and PTH-Related Peptide on Expressions of Matrix Metalloproteinase- 2, -3, and -9 in Growth Plate Chondrocyte Cultures*. Endocrinology, 1998, 139, 2120-2127.	2.8	59
84	Effects of Parathyroid Hormone (PTH) and PTH-Related Peptide on Expressions of Matrix Metalloproteinase- 2, -3, and -9 in Growth Plate Chondrocyte Cultures. Endocrinology, 1998, 139, 2120-2127.	2.8	15
85	Molecular Characterization of the Novel Basic Helixâ€“Loopâ€“Helix Protein DEC1 Expressed in Differentiated Human Embryo Chondrocytes. Biochemical and Biophysical Research Communications, 1997, 236, 294-298.	2.1	148
86	Molecular Cloning and Characterization of CDEP, a Novel Human Protein Containing the Ezrin-like Domain of the Band 4.1 Superfamily and the Dbl Homology Domain of Rho Guanine Nucleotide Exchange Factors. Biochemical and Biophysical Research Communications, 1997, 241, 369-375.	2.1	34
87	Characterization of a cartilage-derived 66-kDa protein (RGD-CAP/Î²ig-h3) that binds to collagen1The nucleotide sequence data reported in this paper will appear in the EMBL, GenBank and DDBJ Nucleotide Sequence Databases under the accession number D55717.1. Biochimica Et Biophysica Acta - Molecular Cell Research, 1997, 1355, 303-314.	4.1	141
88	Enhancement of cartilage matrix protein synthesis in arthritic cartilage. Arthritis and Rheumatism, 1997, 40, 1029-1036.	6.7	36
89	DNA Binding of PhoB and its Interaction with RNA Polymerase. Journal of Molecular Biology, 1996, 259, 15-26.	4.2	161
90	Effects of cyclic adenosine 3',5'-monophosphate on chondrocyte terminal differentiation and cartilage-matrix calcification. Endocrinology, 1996, 137, 122-128.	2.8	12

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91	Inborn errors of aldosterone biosynthesis in humans. Steroids, 1995, 60, 15-21.	1.8	16
92	Cloning and structural characterization of the human endothelial nitricâ€oxideâ€synthase gene. FEBS Journal, 1994, 223, 719-726.	0.2	138
93	Congenitally Defective Aldosterone Biosynthesis in Humans: Inactivation of the P450C18 Gene (CYP11B2) Due to Nucleotide Deletion in CMO I-Deficient Patients. Biochemical and Biophysical Research Communications, 1993, 190, 864-869.	2.1	87
94	A nonsense mutation (TGG [Trp116]-->TAG [Stop]) in CYP11B1 causes steroid 11 beta-hydroxylase deficiency. Journal of Clinical Endocrinology and Metabolism, 1993, 77, 1677-1682.	3.6	30
95	Role of steroid 11 beta-hydroxylase and steroid 18-hydroxylase in the biosynthesis of glucocorticoids and mineralocorticoids in humans.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 1458-1462.	7.1	224
96	Molecular genetic studies on the biosynthesis of aldosterone in humans. Journal of Steroid Biochemistry and Molecular Biology, 1992, 43, 981-987.	2.5	12
97	Congenitally defective aldosterone biosynthesis in humans: The involvement of point mutations of the P-450C18 gene (CYP11B2) in CMO II deficient patients. Biochemical and Biophysical Research Communications, 1992, 182, 974-979.	2.1	52
98	The chimeric gene linked to glucocorticoid-suppressible hyperaldosteronism encodes a fused P-450 protein prssessing aldosterone synthase activity. Biochemical and Biophysical Research Communications, 1992, 189, 885-891.	2.1	43
99	Characterization of a cis-acting regulatory element involved in human-aromatase P-450 gene expression. FEBS Journal, 1992, 205, 303-309.	0.2	21
100	Isolation of a full-length cDNA encoding mouse aromatase P450. Archives of Biochemistry and Biophysics, 1991, 285, 231-237.	3.0	112
101	Human poly(ADP-ribose) polymerase gene. Cloning of the promoter region. FEBS Journal, 1990, 194, 521-526.	0.2	31
102	Structural and functional characterization of human aromatase P-450 gene. FEBS Journal, 1990, 193, 559-565.	0.2	120
103	Cloning of cDNA and genomic DNA for human cytochrome P-45011Î². FEBS Letters, 1990, 269, 345-349.	2.8	90
104	Cloning and expression of a cDNA for human cytochrome P-450aldo as related to primary aldosteronism. Biochemical and Biophysical Research Communications, 1990, 173, 309-316.	2.1	162
105	DNA bending and binding factors of the human Î²-actin promoter. Nucleic Acids Research, 1989, 17, 523-537.	14.5	47
106	Signal transduction in the phosphate regulon of Escherichia coli involves phosphotransfer between PhoR and PhoB proteins. Journal of Molecular Biology, 1989, 210, 551-559.	4.2	256
107	Identification of the human beta-actin enhancer and its binding factor.. Molecular and Cellular Biology, 1988, 8, 267-272.	2.3	71