

Satoshi Kubota

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7561687/publications.pdf>

Version: 2024-02-01

115
papers

4,032
citations

94433

37
h-index

128289

60
g-index

115
all docs

115
docs citations

115
times ranked

3464
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of CTGF/HCS24/ecogenin in skeletal growth control. <i>Journal of Cellular Physiology</i> , 2003, 194, 256-266.	4.1	174
2	Novel Transcription Factor-Like Function of Human Matrix Metalloproteinase 3 Regulating the <i>CTGF/CCN2</i> Gene. <i>Molecular and Cellular Biology</i> , 2008, 28, 2391-2413.	2.3	174
3	Connective tissue growth factor increased by hypoxia may initiate angiogenesis in collaboration with matrix metalloproteinases. <i>Carcinogenesis</i> , 2002, 23, 769-776.	2.8	159
4	Regeneration of Defects in Articular Cartilage in Rat Knee Joints by CCN2 (Connective Tissue Growth) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.8	145
5	Pathogenic Role of Connective Tissue Growth Factor (CTGF/CCN2) in Osteolytic Metastasis of Breast Cancer. <i>Journal of Bone and Mineral Research</i> , 2006, 21, 1045-1059.	2.8	145
6	Cellular and molecular actions of CCN2/CTGF and its role under physiological and pathological conditions. <i>Clinical Science</i> , 2015, 128, 181-196.	4.3	145
7	Increases in p53 expression induce CTGF synthesis by mouse and human hepatocytes and result in liver fibrosis in mice. <i>Journal of Clinical Investigation</i> , 2011, 121, 3343-3356.	8.2	138
8	CCN family proteins and angiogenesis: from embryo to adulthood. <i>Angiogenesis</i> , 2007, 10, 1-11.	7.2	125
9	Cooperative Regulation of Chondrocyte Differentiation by CCN2 and CCN3 Shown by a Comprehensive Analysis of the CCN Family Proteins in Cartilage. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 1751-1764.	2.8	107
10	CTGF/Hcs24, a hypertrophic chondrocyte-specific gene product, stimulates proliferation and differentiation, but not hypertrophy of cultured articular chondrocytes. <i>Journal of Cellular Physiology</i> , 2002, 192, 55-63.	4.1	106
11	Role of CCN2/CTGF/Hcs24 in Bone Growth. <i>International Review of Cytology</i> , 2007, 257, 1-41.	6.2	96
12	CTGF/Hcs24, hypertrophic chondrocyte-specific gene product, interacts with perlecan in regulating the proliferation and differentiation of chondrocytes. <i>Journal of Cellular Physiology</i> , 2003, 196, 265-275.	4.1	89
13	Plasma connective tissue growth factor is a novel potential biomarker of cardiac dysfunction in patients with chronic heart failure. <i>European Journal of Heart Failure</i> , 2008, 10, 373-379.	7.1	84
14	CCN Family 2/Connective Tissue Growth Factor Modulates BMP Signalling as a Signal Conductor, Which Action Regulates the Proliferation and Differentiation of Chondrocytes. <i>Journal of Biochemistry</i> , 2008, 145, 207-216.	1.7	82
15	Abundant Retention and Release of Connective Tissue Growth Factor (CTGF/CCN2) by Platelets. <i>Journal of Biochemistry</i> , 2004, 136, 279-282.	1.7	81
16	Regulation of chondrocytic phenotype by micro RNA 18a: Involvement of <i>Ccn2/Ctgf</i> as a major target gene. <i>FEBS Letters</i> , 2009, 583, 1006-1010.	2.8	77
17	Differential roles of CCN family proteins during osteoblast differentiation: Involvement of Smad and MAPK signaling pathways. <i>Bone</i> , 2011, 49, 975-989.	2.9	71
18	The role of CCN2 in cartilage and bone development. <i>Journal of Cell Communication and Signaling</i> , 2011, 5, 209-217.	3.4	71

#	ARTICLE	IF	CITATIONS
19	CCN family 2/connective tissue growth factor (CCN2/CTGF) promotes osteoclastogenesis via induction of and interaction with dendritic cell-specific transmembrane protein (DC-STAMP). <i>Journal of Bone and Mineral Research</i> , 2011, 26, 351-363.	2.8	70
20	N-terminal domains of CCN family 2/connective tissue growth factor bind to aggrecan. <i>Biochemical Journal</i> , 2009, 420, 413-420.	3.7	59
21	Suppressive effect of overexpressed connective tissue growth factor on tumor cell growth in a human oral squamous cell carcinoma-derived cell line. <i>Cancer Letters</i> , 2003, 192, 205-214.	7.2	57
22	The CCN family acting throughout the body: recent research developments. <i>Biomolecular Concepts</i> , 2013, 4, 477-494.	2.2	57
23	CCN2 enhances RANKL-induced osteoclast differentiation via direct binding to RANK and OPG. <i>Bone</i> , 2015, 73, 242-248.	2.9	55
24	Identification of an RNA element that confers post-transcriptional repression of connective tissue growth factor/hypertrophic chondrocyte specific 24 (ctgf/hcs24) gene: Similarities to retroviral RNA-protein interactions. <i>Oncogene</i> , 2000, 19, 4773-4786.	5.9	53
25	Roles of PKC, PI3K and JNK in multiple transduction of CCN2/CTGF signals in chondrocytes. <i>Bone</i> , 2006, 38, 853-863.	2.9	53
26	CCN2/CTGF binds to fibroblast growth factor receptor 2 and modulates its signaling. <i>FEBS Letters</i> , 2012, 586, 4270-4275.	2.8	52
27	Functional requirement of CCN2 for intramembranous bone formation in embryonic mice. <i>Biochemical and Biophysical Research Communications</i> , 2008, 366, 450-456.	2.1	50
28	Effect of connective tissue growth factor (CCN2/CTGF) on proliferation and differentiation of mouse periodontal ligament-derived cells. <i>Cell Communication and Signaling</i> , 2005, 3, 11.	6.5	46
29	Role of low-density lipoprotein receptor related protein 1 (LRP1) in CCN2/connective tissue growth factor (CTGF) protein transport in chondrocytes. <i>Journal of Cell Science</i> , 2012, 125, 2965-72.	2.0	46
30	Involvement of cis-acting repressive element(s) in the 3'-untranslated region of human connective tissue growth factor gene. <i>FEBS Letters</i> , 1999, 450, 84-88.	2.8	45
31	Effect of CCN2 on FGF2-Induced Proliferation and MMP9 and MMP13 Productions by Chondrocytes. <i>Endocrinology</i> , 2011, 152, 4232-4241.	2.8	45
32	Connective tissue growth factor expressed in rat alveolar bone regeneration sites after tooth extraction. <i>Archives of Oral Biology</i> , 2003, 48, 723-730.	1.8	44
33	Binding of glyceraldehyde-3-phosphate dehydrogenase to the cis-acting element of structure-anchored repression in ccn2 mRNA. <i>Biochemical and Biophysical Research Communications</i> , 2011, 405, 382-387.	2.1	44
34	Promotion of Bone Regeneration by CCN2 Incorporated into Gelatin Hydrogel. <i>Tissue Engineering - Part A</i> , 2008, 14, 1089-1098.	3.1	43
35	Expression and physiological role of CCN4/Wnt-induced secreted protein-1 mRNA splicing variants in chondrocytes. <i>FEBS Journal</i> , 2007, 274, 1655-1665.	4.7	40
36	Novel intracellular effects of human connective tissue growth factor expressed in Cos-7 cells. <i>FEBS Letters</i> , 2000, 474, 58-62.	2.8	39

#	ARTICLE	IF	CITATIONS
37	Identification of miR-1 as a micro RNA that supports late-stage differentiation of growth cartilage cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 402, 286-290.	2.1	38
38	Anti-fibrotic effect of CCN3 accompanied by altered gene expression profile of the CCN family. <i>Journal of Cell Communication and Signaling</i> , 2013, 7, 11-18.	3.4	37
39	Possible role of LRP1, a CCN2 receptor, in chondrocytes. <i>Biochemical and Biophysical Research Communications</i> , 2006, 345, 552-559.	2.1	36
40	Novel role of miR-181a in cartilage metabolism. <i>Journal of Cellular Biochemistry</i> , 2013, 114, 2094-2100.	2.6	36
41	Characterization of a Mouse ctgf 3'-UTR Segment That Mediates Repressive Regulation of Gene Expression. <i>Biochemical and Biophysical Research Communications</i> , 2000, 278, 119-124.	2.1	35
42	A novel cis-element that enhances connective tissue growth factor gene expression in chondrocytic cells. <i>Biochemical and Biophysical Research Communications</i> , 2002, 295, 445-451.	2.1	31
43	The regenerative effects of CCN2 independent modules on chondrocytes in vitro and osteoarthritis models in vivo. <i>Bone</i> , 2014, 59, 180-188.	2.9	30
44	Novel chondrogenic and chondroprotective effects of the natural compound harmine. <i>Biochimie</i> , 2013, 95, 374-381.	2.6	29
45	Fluocinolone Acetonide Is a Potent Synergistic Factor of TGF- β 3-Associated Chondrogenesis of Bone Marrow-Derived Mesenchymal Stem Cells for Articular Surface Regeneration. <i>Journal of Bone and Mineral Research</i> , 2015, 30, 1585-1596.	2.8	29
46	Transcriptional induction of connective tissue growth factor/hypertrophic chondrocyte-specific 24 gene by dexamethasone in human chondrocytic cells. <i>Bone</i> , 2003, 33, 694-702.	2.9	28
47	Comparable response of ccn1 with ccn2 genes upon arthritis: An in vitro evaluation with a human chondrocytic cell line stimulated by a set of cytokines. <i>Cell Communication and Signaling</i> , 2005, 3, 6.	6.5	28
48	Posttranscriptional Regulation of Chicken <i>ccn2</i> Gene Expression by Nucleophosmin/B23 during Chondrocyte Differentiation. <i>Molecular and Cellular Biology</i> , 2008, 28, 6134-6147.	2.3	28
49	Collaborative action of M-CSF and CTGF/CCN2 in articular chondrocytes: Possible regenerative roles in articular cartilage metabolism. <i>Bone</i> , 2005, 36, 884-892.	2.9	27
50	Promotion of Hydroxyapatite-Associated, Stem Cell-Based Bone Regeneration by CCN2. <i>Cell Transplantation</i> , 2008, 17, 231-240.	2.5	27
51	Regulation of Chicken <i>ccn2</i> Gene by Interaction between RNA cis-Element and Putative trans-Factor during Differentiation of Chondrocytes. <i>Journal of Biological Chemistry</i> , 2005, 280, 3166-3177.	3.4	26
52	CCN family protein 2 (CCN2) promotes the early differentiation, but inhibits the terminal differentiation of skeletal myoblasts. <i>Journal of Biochemistry</i> , 2015, 157, 91-100.	1.7	25
53	Module-Specific Antibodies against Human Connective Tissue Growth Factor: Utility for Structural and Functional Analysis of the Factor as Related to Chondrocytes. <i>Journal of Biochemistry</i> , 2004, 135, 347-354.	1.7	24
54	Novel effects of CCN3 that may direct the differentiation of chondrocytes. <i>FEBS Letters</i> , 2011, 585, 3033-3040.	2.8	24

#	ARTICLE	IF	CITATIONS
55	Commensal Microbiota Enhance Both Osteoclast and Osteoblast Activities. <i>Molecules</i> , 2018, 23, 1517.	3.8	24
56	Promotion of Ccn2 expression and osteoblastic differentiation by actin polymerization, which is induced by laminar fluid flow stress. <i>Journal of Cell Communication and Signaling</i> , 2012, 6, 225-232.	3.4	22
57	CCN2 as a Novel Molecule Supporting Energy Metabolism of Chondrocytes. <i>Journal of Cellular Biochemistry</i> , 2014, 115, 854-865.	2.6	22
58	Catabolic effects of FGF-1 on chondrocytes and its possible role in osteoarthritis. <i>Journal of Cell Communication and Signaling</i> , 2017, 11, 255-263.	3.4	22
59	Role of mechanical-stress inducible protein Hcs24/CTGF/CCN2 in cartilage growth and regeneration: Mechanical stress induces expression of Hcs24/CTGF/CCN2 in a human chondrocytic cell line HCS-2/8, rabbit costal chondrocytes and meniscus tissue cells. <i>Biorheology</i> , 2008, 45, 289-299.	0.4	20
60	Novel role of CCN3 that maintains the differentiated phenotype of articular cartilage. <i>Journal of Bone and Mineral Metabolism</i> , 2017, 35, 582-597.	2.7	19
61	Different transcriptional strategies for ccn2/ctgf gene induction between human chondrocytic and breast cancer cell lines. <i>Biochimie</i> , 2007, 89, 278-288.	2.6	18
62	Translational repression by the cis-acting element of structure-anchored repression (CAESAR) of humanctgf/ccn2mRNA. <i>FEBS Letters</i> , 2005, 579, 3751-3758.	2.8	17
63	Physical interaction of CCN2 with diverse growth factors involved in chondrocyte differentiation during endochondral ossification. <i>Journal of Cell Communication and Signaling</i> , 2015, 9, 247-254.	3.4	17
64	Promotion of Bone Regeneration by CCN2 Incorporated into Gelatin Hydrogel. <i>Tissue Engineering - Part A</i> , 2008, 14, 080422095744451.	3.1	17
65	Change in cellular localization of a rheumatoid arthritis-related antigen (RA-A47) with downregulation upon stimulation by inflammatory cytokines in chondrocytes. <i>Journal of Cellular Physiology</i> , 2001, 186, 168-281.	4.1	16
66	Possible reparative effect of low-intensity pulsed ultrasound (LIPUS) on injured meniscus. <i>Journal of Cell Communication and Signaling</i> , 2019, 13, 193-207.	3.4	16
67	Conserved Repressive Regulation of Connective Tissue Growth Factor/Hypertrophic Chondrocyte-Specific Gene 24 (ctgf/hcs24) Enabled by Different Elements and Factors among Vertebrate Species. <i>Biological Chemistry</i> , 2003, 384, 1-9.	2.5	15
68	Association of the metastatic phenotype with CCN family members among breast and oral cancer cells. <i>Journal of Cell Communication and Signaling</i> , 2011, 5, 291-299.	3.4	14
69	Physiological role of urothelial cancer-associated one long noncoding RNA in human skeletogenic cell differentiation. <i>Journal of Cellular Physiology</i> , 2018, 233, 4825-4840.	4.1	13
70	CCN2/CTGF binds the small leucine rich proteoglycan protein Tsukushi. <i>Journal of Cell Communication and Signaling</i> , 2019, 13, 113-118.	3.4	13
71	CCN3 (NOV) Drives Degradative Changes in Aging Articular Cartilage. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7556.	4.1	13
72	CCN2 in orofacial tissue development and remodeling. <i>Japanese Dental Science Review</i> , 2012, 48, 101-113.	5.1	12

#	ARTICLE	IF	CITATIONS
73	Direct interaction between CCN family protein 2 and fibroblast growth factor 1. <i>Journal of Cell Communication and Signaling</i> , 2014, 8, 157-163.	3.4	12
74	Promoter Analyses of CCN Genes. <i>Methods in Molecular Biology</i> , 2017, 1489, 177-185.	0.9	12
75	Regulatory mechanism of CCN2 production by serotonin (5-HT) via 5-HT2A and 5-HT2B receptors in chondrocytes. <i>PLoS ONE</i> , 2017, 12, e0188014.	2.5	12
76	A Tumor Suppressor Gene Product, Platelet-Derived Growth Factor Receptor-Like Protein Controls Chondrocyte Proliferation and Differentiation. <i>Journal of Cellular Biochemistry</i> , 2017, 118, 4033-4044.	2.6	11
77	Metabolic regulation of the CCN family genes by glycolysis in chondrocytes. <i>Journal of Cell Communication and Signaling</i> , 2018, 12, 245-252.	3.4	11
78	Novel Enzyme-Linked Immunosorbent Assay Systems for the Quantitative Analysis of Connective Tissue Growth Factor (CTGF/Hcs24/CCN2): Detection of HTLV-I Tax-Induced CTGF from a Human Carcinoma Cell Line. <i>DNA and Cell Biology</i> , 2003, 22, 641-648.	1.9	10
79	RFX1-mediated CCN3 induction that may support chondrocyte survival under starved conditions. <i>Journal of Cellular Physiology</i> , 2021, 236, 6884-6896.	4.1	10
80	Molecular and Genetic Interactions between CCN2 and CCN3 behind Their Yin-Yang Collaboration. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5887.	4.1	10
81	Thrombopoietic-mesenchymal interaction that may facilitate both endochondral ossification and platelet maturation via CCN2. <i>Journal of Cell Communication and Signaling</i> , 2010, 4, 5-14.	3.4	9
82	Role of CCN2 in Amino Acid Metabolism of Chondrocytes. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 927-937.	2.6	9
83	Regulation of cellular communication network factor 2 (CCN2) in breast cancer cells via the cell-type dependent interplay between CCN2 and glycolysis. <i>Journal of Oral Biosciences</i> , 2020, 62, 280-288.	2.2	9
84	CCN3-mediated promotion of sulfated proteoglycan synthesis in rat chondrocytes from developing joint heads. <i>Journal of Cell Communication and Signaling</i> , 2011, 5, 167-171.	3.4	8
85	Roles of CCN2 as a mechano-sensing regulator of chondrocyte differentiation. <i>Japanese Dental Science Review</i> , 2020, 56, 119-126.	5.1	8
86	Suppression of adipocyte differentiation by low-intensity pulsed ultrasound via inhibition of insulin signaling and promotion of CCN family protein 2. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 4724-4740.	2.6	8
87	Cellular communication network factor 3 in cartilage development and maintenance. <i>Journal of Cell Communication and Signaling</i> , 2021, 15, 533-543.	3.4	8
88	Roles of Interaction between CCN2 and Rab14 in Aggrecan Production by Chondrocytes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2769.	4.1	7
89	Design and utility of CCN2 anchor peptide aptamers. <i>Biochimie</i> , 2010, 92, 1010-1015.	2.6	6
90	Regulation of CCN1 via the 3'-untranslated region. <i>Journal of Cell Communication and Signaling</i> , 2013, 7, 207-217.	3.4	6

#	ARTICLE	IF	CITATIONS
91	Roles of matricellular CCN2 deposited by osteocytes in osteoclastogenesis and osteoblast differentiation. <i>Scientific Reports</i> , 2019, 9, 10913.	3.3	6
92	Role of mechanical-stress inducible protein Hcs24/CTGF/CCN2 in cartilage growth and regeneration: mechanical stress induces expression of Hcs24/CTGF/CCN2 in a human chondrocytic cell line HCS-2/8, rabbit costal chondrocytes and meniscus tissue cells. <i>Biorheology</i> , 2008, 45, 289-99.	0.4	6
93	A coding RNA segment that enhances the ribosomal recruitment of chicken <i>ccn1</i> mRNA. <i>Journal of Cellular Biochemistry</i> , 2010, 111, 1607-1618.	2.6	5
94	New functional aspects of CCN2 revealed by trans-omic approaches. <i>Journal of Oral Biosciences</i> , 2015, 57, 37-43.	2.2	5
95	Involvement of multiple CCN family members in platelets that support regeneration of joint tissues. <i>Modern Rheumatology</i> , 2016, 26, 940-949.	1.8	5
96	New Functions of Classical Compounds against Orofacial Inflammatory Lesions. <i>Medicines (Basel)</i> , 2021, 15, 81-91.	1.4	4
97	Retrotransposons Manipulating Mammalian Skeletal Development in Chondrocytes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1564.	4.1	3
98	Bipartite regulation of cellular communication network factor 2 and fibroblast growth factor 1 genes by fibroblast growth factor 1 through histone deacetylase 1 and fork head box protein A1. <i>Journal of Cell Communication and Signaling</i> , 2021, 15, 81-91.	3.4	3
99	Effect of cellular communication network factor 2/connective tissue growth factor on tube formation by endothelial cells derived from human periodontal ligaments. <i>Archives of Oral Biology</i> , 2021, 132, 105279.	1.8	3
100	In Vivo Evaluation of Cartilage Regenerative Effects of CCN2 Protein. <i>Methods in Molecular Biology</i> , 2017, 1489, 273-282.	0.9	2
101	Lovastatin rescues human and mice cartilage disorders. <i>Journal of Cell Communication and Signaling</i> , 2015, 9, 95-95.	3.4	1
102	Protocols for Screening Peptide Motifs Binding to CCN Family Proteins. <i>Methods in Molecular Biology</i> , 2017, 1489, 155-167.	0.9	1
103	Preparation of Module-Specific Antibodies Against CCN Family Members. <i>Methods in Molecular Biology</i> , 2017, 1489, 115-126.	0.9	1
104	ELISA of CCN Family Proteins in Body Fluids Including Serum and Plasma. <i>Methods in Molecular Biology</i> , 2017, 1489, 127-138.	0.9	1
105	Immunohistochemical Analysis of CCN Proteins in Calcified Tissues. <i>Methods in Molecular Biology</i> , 2017, 1489, 53-62.	0.9	1
106	Western Blotting Analysis of CCN Proteins in Calcified Tissues. <i>Methods in Molecular Biology</i> , 2017, 1489, 43-51.	0.9	1
107	Nucleophosmin/B23: A Multifunctional Regulator that Determines the Fate of CCN2 mRNA. , 2010, , 41-55.		1
108	CCN. , 2018, , 814-827.		1

#	ARTICLE	IF	CITATIONS
109	Maternal Gut Microbiome Decelerates Fetal Endochondral Bone Formation by Inducing Inflammatory Reaction. <i>Microorganisms</i> , 2022, 10, 1000.	3.6	1
110	Analysis of Posttranscriptional Regulation of CCN Genes. <i>Methods in Molecular Biology</i> , 2017, 1489, 187-209.	0.9	0
111	Analysis of Expression of CCN Family Genes in Skeletal Tissue-Derived Cells. <i>Methods in Molecular Biology</i> , 2017, 1489, 33-41.	0.9	0
112	Cell Biological Assays for Measuring Chondrogenic Activities of CCN2 Protein. <i>Methods in Molecular Biology</i> , 2017, 1489, 219-237.	0.9	0
113	Hypoxic induction of <i>CCN2</i> mRNA through p38 MAP kinase activation in the human chondrosarcoma-derived cell line, HCS-8. <i>Oral Science International</i> , 2021, 18, 35-39.	0.7	0
114	CCN. , 2016, , 1-15.		0
115	Effects of Fibroblast Growth Factor 1 (FGF1) on CCN2 Gene Expression in Chondrocytic Cells. <i>FASEB Journal</i> , 2019, 33, 1b356.	0.5	0