

Lester F Lau

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4485258/lester-f-lau-publications-by-citations.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

113
papers

15,560
citations

62
h-index

117
g-index

117
ext. papers

16,572
ext. citations

8.7
avg, IF

6.7
L-index

#	Paper	IF	Citations
113	MKP-1 (3CH134), an immediate early gene product, is a dual specificity phosphatase that dephosphorylates MAP kinase in vivo. <i>Cell</i> , 1993 , 75, 487-93	56.2	1086
112	Expression of a set of growth-related immediate early genes in BALB/c 3T3 cells: coordinate regulation with c-fos or c-myc. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987 , 84, 1182-6	11.5	804
111	A gene activated by growth factors is related to the oncogene v-jun. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988 , 85, 1487-91	11.5	673
110	A gene activated in mouse 3T3 cells by serum growth factors encodes a protein with "zinc finger" sequences. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988 , 85, 7857-61	11.5	643
109	The matricellular protein CCN1 induces fibroblast senescence and restricts fibrosis in cutaneous wound healing. <i>Nature Cell Biology</i> , 2010 , 12, 676-85	23.4	596
108	The CCN family of angiogenic regulators: the integrin connection. <i>Experimental Cell Research</i> , 1999 , 248, 44-57	4.2	573
107	A gene inducible by serum growth factors encodes a member of the steroid and thyroid hormone receptor superfamily. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988 , 85, 8444-8	11.5	461
106	Growth factors and membrane depolarization activate distinct programs of early response gene expression: dissociation of fos and jun induction. <i>Genes and Development</i> , 1989 , 3, 304-13	12.6	433
105	Functions and mechanisms of action of CCN matricellular proteins. <i>International Journal of Biochemistry and Cell Biology</i> , 2009 , 41, 771-83	5.6	431
104	Taking aim at the extracellular matrix: CCN proteins as emerging therapeutic targets. <i>Nature Reviews Drug Discovery</i> , 2011 , 10, 945-63	64.1	429
103	Fisp12/mouse connective tissue growth factor mediates endothelial cell adhesion and migration through integrin alphavbeta3, promotes endothelial cell survival, and induces angiogenesis in vivo. <i>Molecular and Cellular Biology</i> , 1999 , 19, 2958-66	4.8	403
102	CYR61, a product of a growth factor-inducible immediate early gene, promotes angiogenesis and tumor growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 6355-60	11.5	377
101	CYR61 (CCN1) is essential for placental development and vascular integrity. <i>Molecular and Cellular Biology</i> , 2002 , 22, 8709-20	4.8	342
100	An Id-related helix-loop-helix protein encoded by a growth factor-inducible gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991 , 88, 1815-9	11.5	318
99	Cyr61, a product of a growth factor-inducible immediate-early gene, promotes cell proliferation, migration, and adhesion. <i>Molecular and Cellular Biology</i> , 1996 , 16, 1326-34	4.8	292
98	Evidence of p53-dependent cross-talk between ribosome biogenesis and the cell cycle: effects of nucleolar protein Bop1 on G(1)/S transition. <i>Molecular and Cellular Biology</i> , 2001 , 21, 4246-55	4.8	275
97	The angiogenic factors Cyr61 and connective tissue growth factor induce adhesive signaling in primary human skin fibroblasts. <i>Journal of Biological Chemistry</i> , 2001 , 276, 10443-52	5.4	240

96	Cyr61 and Fisp12 are both ECM-associated signaling molecules: activities, metabolism, and localization during development. <i>Experimental Cell Research</i> , 1997 , 233, 63-77	4.2	222
95	The angiogenic factor Cyr61 activates a genetic program for wound healing in human skin fibroblasts. <i>Journal of Biological Chemistry</i> , 2001 , 276, 47329-37	5.4	211
94	CCN1/CYR61: the very model of a modern matricellular protein. <i>Cellular and Molecular Life Sciences</i> , 2011 , 68, 3149-63	10.3	210
93	Identification of integrin alpha(M)beta(2) as an adhesion receptor on peripheral blood monocytes for Cyr61 (CCN1) and connective tissue growth factor (CCN2): immediate-early gene products expressed in atherosclerotic lesions. <i>Blood</i> , 2002 , 99, 4457-65	2.2	204
92	Pro-angiogenic activities of CYR61 (CCN1) mediated through integrins alphavbeta3 and alpha6beta1 in human umbilical vein endothelial cells. <i>Journal of Biological Chemistry</i> , 2002 , 277, 46248-55	5.4	196
91	The growth factor-inducible immediate-early gene 3CH134 encodes a protein-tyrosine-phosphatase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 5292-6	11.5	187
90	Matricellular protein CCN1 promotes regression of liver fibrosis through induction of cellular senescence in hepatic myofibroblasts. <i>Molecular and Cellular Biology</i> , 2013 , 33, 2078-90	4.8	185
89	FoxM1, a critical regulator of oxidative stress during oncogenesis. <i>EMBO Journal</i> , 2009 , 28, 2908-18	13	177
88	Activation-dependent adhesion of human platelets to Cyr61 and Fisp12/mouse connective tissue growth factor is mediated through integrin alpha(IIb)beta(3). <i>Journal of Biological Chemistry</i> , 1999 , 274, 24321-7	5.4	173
87	Adhesion of human umbilical vein endothelial cells to the immediate-early gene product Cyr61 is mediated through integrin alphavbeta3. <i>Journal of Biological Chemistry</i> , 1998 , 273, 3090-6	5.4	171
86	Cellular senescence controls fibrosis in wound healing. <i>Aging</i> , 2010 , 2, 627-31	5.6	162
85	Phage lambda gene Q antiterminator recognizes RNA polymerase near the promoter and accelerates it through a pause site. <i>Cell</i> , 1985 , 42, 259-69	56.2	155
84	The angiogenic factor cysteine-rich 61 (CYR61, CCN1) supports vascular smooth muscle cell adhesion and stimulates chemotaxis through integrin alpha(6)beta(1) and cell surface heparan sulfate proteoglycans. <i>Endocrinology</i> , 2002 , 143, 1441-50	4.8	152
83	Adhesion of human skin fibroblasts to Cyr61 is mediated through integrin alpha 6beta 1 and cell surface heparan sulfate proteoglycans. <i>Journal of Biological Chemistry</i> , 2000 , 275, 24953-61	5.4	149
82	Bop1 is a mouse WD40 repeat nucleolar protein involved in 28S and 5. 8S RRNA processing and 60S ribosome biogenesis. <i>Molecular and Cellular Biology</i> , 2000 , 20, 5516-28	4.8	149
81	Resolution of organ fibrosis. <i>Journal of Clinical Investigation</i> , 2018 , 128, 97-107	15.9	136
80	CCN3 (NOV) is a novel angiogenic regulator of the CCN protein family. <i>Journal of Biological Chemistry</i> , 2003 , 278, 24200-8	5.4	134
79	Cyr61, product of a growth factor-inducible immediate-early gene, regulates chondrogenesis in mouse limb bud mesenchymal cells. <i>Developmental Biology</i> , 1997 , 192, 492-508	3.1	128

78	Cytotoxicity of TNFalpha is regulated by integrin-mediated matrix signaling. <i>EMBO Journal</i> , 2007 , 26, 1257-67	13	126
77	CYR61 stimulates human skin fibroblast migration through Integrin alpha vbeta 5 and enhances mitogenesis through integrin alpha vbeta 3, independent of its carboxyl-terminal domain. <i>Journal of Biological Chemistry</i> , 2001 , 276, 21943-50	5.4	125
76	Matricellular protein CCN1 activates a proinflammatory genetic program in murine macrophages. <i>Journal of Immunology</i> , 2010 , 184, 3223-32	5.3	118
75	Deregulation of FoxM1b leads to tumour metastasis. <i>EMBO Molecular Medicine</i> , 2011 , 3, 21-34	12	109
74	Identification of a novel integrin alpha 6 beta 1 binding site in the angiogenic inducer CCN1 (CYR61). <i>Journal of Biological Chemistry</i> , 2003 , 278, 33801-8	5.4	109
73	Cell surface receptors for CCN proteins. <i>Journal of Cell Communication and Signaling</i> , 2016 , 10, 121-7	5.2	106
72	Prostaglandin F2alpha-induced expression of 20alpha-hydroxysteroid dehydrogenase involves the transcription factor NUR77. <i>Journal of Biological Chemistry</i> , 2000 , 275, 37202-11	5.4	102
71	FoxM1 regulates transcription of JNK1 to promote the G1/S transition and tumor cell invasiveness. <i>Journal of Biological Chemistry</i> , 2008 , 283, 20770-8	5.4	101
70	Identification of a novel integrin alphavbeta3 binding site in CCN1 (CYR61) critical for pro-angiogenic activities in vascular endothelial cells. <i>Journal of Biological Chemistry</i> , 2004 , 279, 44166-75	5.4	101
69	The matrix protein CCN1 (CYR61) induces apoptosis in fibroblasts. <i>Journal of Cell Biology</i> , 2005 , 171, 559-68	7.3	101
68	Physical and functional interaction between Pes1 and Bop1 in mammalian ribosome biogenesis. <i>Molecular Cell</i> , 2004 , 15, 17-29	17.6	99
67	The matricellular protein CCN1 is essential for cardiac development. <i>Circulation Research</i> , 2006 , 99, 961-9	25.7	93
66	Integrin-dependent functions of the angiogenic inducer NOV (CCN3): implication in wound healing. <i>Journal of Biological Chemistry</i> , 2005 , 280, 8229-37	5.4	91
65	The matricellular protein CCN1 mediates neutrophil efferocytosis in cutaneous wound healing. <i>Nature Communications</i> , 2015 , 6, 7386	17.4	89
64	Mechanical regulation of the proangiogenic factor CCN1/CYR61 gene requires the combined activities of MRTF-A and CREB-binding protein histone acetyltransferase. <i>Journal of Biological Chemistry</i> , 2009 , 284, 23125-36	5.4	89
63	Anaphase-promoting complex/cyclosome-CDH1-mediated proteolysis of the forkhead box M1 transcription factor is critical for regulated entry into S phase. <i>Molecular and Cellular Biology</i> , 2008 , 28, 5162-71	4.8	89
62	A calcium/calmodulin-dependent activation of ERK1/2 mediates JunD phosphorylation and induction of nur77 and 20alpha-hsd genes by prostaglandin F2alpha in ovarian cells. <i>Journal of Biological Chemistry</i> , 2002 , 277, 3293-302	5.4	89
61	Promoter function and structure of the growth factor-inducible immediate early gene cyr61. <i>Nucleic Acids Research</i> , 1991 , 19, 3261-7	20.1	88

60	Functional inactivation of the mouse nucleolar protein Bop1 inhibits multiple steps in pre-rRNA processing and blocks cell cycle progression. <i>Journal of Biological Chemistry</i> , 2002 , 277, 29617-25	5.4	84
59	Cyclosporin A blocks apoptosis by inhibiting the DNA binding activity of the transcription factor Nur77. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 437-41	11.5	83
58	Transcription terminates at lambda tR1 in three clusters. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1982 , 79, 6171-5	11.5	77
57	Transcriptional activation by Nur77, a growth factor-inducible member of the steroid hormone receptor superfamily. <i>Molecular Endocrinology</i> , 1991 , 5, 854-9		71
56	Human CYR61-mediated enhancement of bFGF-induced DNA synthesis in human umbilical vein endothelial cells. <i>Oncogene</i> , 1998 , 16, 747-54	9.2	67
55	Raf and fibroblast growth factor phosphorylate Elk1 and activate the serum response element of the immediate early gene pip92 by mitogen-activated protein kinase-independent as well as -dependent signaling pathways. <i>Molecular and Cellular Biology</i> , 1998 , 18, 2272-81	4.8	65
54	Fructose stimulated de novo lipogenesis is promoted by inflammation. <i>Nature Metabolism</i> , 2020 , 2, 1034-1045	11.5	65
53	Genes induced by serum growth factors. <i>Molecular Aspects of Cellular Regulation</i> , 1991 , 6, 257-293		63
52	A conserved phosphorylation site within the forkhead domain of FoxM1B is required for its activation by cyclin-CDK1. <i>Journal of Biological Chemistry</i> , 2009 , 284, 30695-707	5.4	62
51	Fas-mediated apoptosis is regulated by the extracellular matrix protein CCN1 (CYR61) in vitro and in vivo. <i>Molecular and Cellular Biology</i> , 2009 , 29, 3266-79	4.8	62
50	CCN1 induces hepatic ductular reaction through integrin $\alpha 6 \beta 1$ -mediated activation of NF- κ B. <i>Journal of Clinical Investigation</i> , 2015 , 125, 1886-900	15.9	61
49	Targeted mutagenesis of the angiogenic protein CCN1 (CYR61). Selective inactivation of integrin $\alpha 6 \beta 1$ -heparan sulfate proteoglycan coreceptor-mediated cellular functions. <i>Journal of Biological Chemistry</i> , 2004 , 279, 44177-87	5.4	58
48	Silencing of RNA helicase II/G α inhibits mammalian ribosomal RNA production. <i>Journal of Biological Chemistry</i> , 2003 , 278, 52307-14	5.4	58
47	Synthetic adaptors for cloning DNA. <i>Methods in Enzymology</i> , 1979 , 68, 98-109	1.7	57
46	An N-terminal inhibitory domain modulates activity of FoxM1 during cell cycle. <i>Oncogene</i> , 2008 , 27, 16969-704	11.5	56
45	Functional domains and phosphorylation of the orphan receptor Nur77. <i>Molecular Endocrinology</i> , 1993 , 7, 953-964		56
44	Matrix protein CCN1 is critical for prostate carcinoma cell proliferation and TRAIL-induced apoptosis. <i>Molecular Cancer Research</i> , 2009 , 7, 1045-55	6.6	55
43	Identification of a novel integrin $\alpha 5 \beta 2$ binding site in CCN1 (CYR61), a matricellular protein expressed in healing wounds and atherosclerotic lesions. <i>Journal of Biological Chemistry</i> , 2003 , 278, 25808-15	5.4	55

42	Assays for ribosomal RNA processing and ribosome assembly. <i>Current Protocols in Cell Biology</i> , 2008 , Chapter 22, Unit 22.11	2.3	53
41	Promoter function of the angiogenic inducer Cyr61 gene in transgenic mice: tissue specificity, inducibility during wound healing, and role of the serum response element. <i>Endocrinology</i> , 2001 , 142, 2549-57	4.8	52
40	Antiangiogenic antithrombin down-regulates the expression of the proangiogenic heparan sulfate proteoglycan, perlecan, in endothelial cells. <i>Blood</i> , 2004 , 103, 1185-91	2.2	49
39	Rapid deactivation of MAP kinase in PC12 cells occurs independently of induction of phosphatase MKP-1. <i>FEBS Letters</i> , 1994 , 353, 9-12	3.8	49
38	FoxM1 regulates growth factor-induced expression of kinase-interacting stathmin (KIS) to promote cell cycle progression. <i>Journal of Biological Chemistry</i> , 2008 , 283, 453-460	5.4	47
37	CCN proteins are distinct from and should not be considered members of the insulin-like growth factor-binding protein superfamily. <i>Endocrinology</i> , 2000 , 141, 2254-6	4.8	47
36	Role of E-catenin-regulated CCN matricellular proteins in epithelial repair after inflammatory lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2013 , 304, L415-27	5.8	46
35	Deadly liaisons: fatal attraction between CCN matricellular proteins and the tumor necrosis factor family of cytokines. <i>Journal of Cell Communication and Signaling</i> , 2010 , 4, 63-9	5.2	43
34	The Angiogenic Factor Cysteine-Rich 61 (CYR61, CCN1) Supports Vascular Smooth Muscle Cell Adhesion and Stimulates Chemotaxis through Integrin $\alpha 1$ and Cell Surface Heparan Sulfate Proteoglycans		41
33	CCN1-Induced Cellular Senescence Promotes Heart Regeneration. <i>Circulation</i> , 2019 , 139, 2495-2498	16.7	40
32	Elk-1 can recruit SRF to form a ternary complex upon the serum response element. <i>Nucleic Acids Research</i> , 1996 , 24, 1345-51	20.1	40
31	Cyr61 protects against hyperoxia-induced cell death via Akt pathway in pulmonary epithelial cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005 , 33, 297-302	5.7	39
30	TNF α -induced apoptosis enabled by CCN1/CYR61: pathways of reactive oxygen species generation and cytochrome c release. <i>PLoS ONE</i> , 2012 , 7, e31303	3.7	38
29	Adrenocorticotrophic hormone regulates the activities of the orphan nuclear receptor Nur77 through modulation of phosphorylation. <i>Endocrinology</i> , 1997 , 138, 4138-46	4.8	37
28	Expression of immediate early gene pip92 during anisomycin-induced cell death is mediated by the JNK- and p38-dependent activation of Elk1. <i>FEBS Journal</i> , 2000 , 267, 4676-84		35
27	The matricellular protein CCN1 in tissue injury repair. <i>Journal of Cell Communication and Signaling</i> , 2018 , 12, 273-279	5.2	33
26	Isolation of growth suppressors from a cDNA expression library. <i>Oncogene</i> , 1998 , 17, 3187-97	9.2	33
25	Negative regulation of the oncogenic transcription factor FoxM1 by thiazolidinediones and mithramycin. <i>Cancer Biology and Therapy</i> , 2010 , 9, 1008-16	4.6	31

24	Expression of angiogenic factor Cyr61 during neuronal cell death via the activation of c-Jun N-terminal kinase and serum response factor. <i>Journal of Biological Chemistry</i> , 2003 , 278, 13847-54	5.4	30
23	The heparin-binding site of antithrombin is crucial for antiangiogenic activity. <i>Blood</i> , 2005 , 106, 1621-8	2.2	30
22	Induction of the matricellular protein CCN1 through RhoA and MRTF-A contributes to ischemic cardioprotection. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 75, 152-61	5.8	26
21	CCN2 induces cellular senescence in fibroblasts. <i>Journal of Cell Communication and Signaling</i> , 2017 , 11, 15-23	5.2	26
20	CCN1 and CCN2: blood brothers in angiogenic action. <i>Journal of Cell Communication and Signaling</i> , 2012 , 6, 121-3	5.2	26
19	Degradome products of the matricellular protein CCN1 as modulators of pathological angiogenesis in the retina. <i>Journal of Biological Chemistry</i> , 2013 , 288, 23075-89	5.4	24
18	Flow cytometric analysis of the cell cycle in transfected cells without cell fixation. <i>BioTechniques</i> , 1999 , 26, 102-6	2.5	22
17	Promoter Function of the Angiogenic Inducer Cyr61 Gene in Transgenic Mice: Tissue Specificity, Inducibility During Wound Healing, and Role of the Serum Response Element		21
16	CCN3 and bone marrow cells. <i>Journal of Cell Communication and Signaling</i> , 2009 , 3, 135-45	5.2	17
15	Interplay between CCN1 and Wnt5a in endothelial cells and pericytes determines the angiogenic outcome in a model of ischemic retinopathy. <i>Scientific Reports</i> , 2017 , 7, 1405	4.9	16
14	Restricting conformational flexibility of the switch II region creates a dominant-inhibitory phenotype in Obg GTPase Nog1. <i>Molecular and Cellular Biology</i> , 2007 , 27, 7735-44	4.8	16
13	Recombinant CCN1 prevents hyperoxia-induced lung injury in neonatal rats. <i>Pediatric Research</i> , 2017 , 82, 863-871	3.2	14
12	A potential stem-loop structure and the sequence CAAUCAA in the transcript are insufficient to signal rho-dependent transcription termination at lambda tR1. <i>Nucleic Acids Research</i> , 1984 , 12, 1287-99 ^{20.1}		14
11	CCN1 is an opsonin for bacterial clearance and a direct activator of Toll-like receptor signaling. <i>Nature Communications</i> , 2020 , 11, 1242	17.4	12
10	Estrogen-induced CCN1 is critical for establishment of endometriosis-like lesions in mice. <i>Molecular Endocrinology</i> , 2014 , 28, 1934-47		11
9	INTEGRIN-MEDIATED CCN FUNCTIONS 2005 , 61-79		11
8	Regulation of Gene Expression by Serum Growth Factors 1992 , 115-162		8
7	Matricellular Proteins 2011 , 369-413		7

6	The extracellular matrix protein CCN1 dictates TNF α and FasL cytotoxicity in vivo. <i>Advances in Experimental Medicine and Biology</i> , 2011 , 691, 595-603	3.6	7
5	Ependyma-expressed CCN1 restricts the size of the neural stem cell pool in the adult ventricular-subventricular zone. <i>EMBO Journal</i> , 2020 , 39, e101679	13	3
4	IPTG-inducible episomal expression system for exogenous genes in primate cells. <i>BioTechniques</i> , 2000 , 28, 577-81	2.5	2
3	CCN Proteins Are Distinct from, and Should Not Be Considered Members of, the Insulin-Like Growth Factor-Binding Protein Superfamily		2
2	Robert H. Costa: 1957-2006. <i>Hepatology</i> , 2006 , 44, 1364	11.2	1
1	Construction and Analysis of an Allelic Series of Ccn1 Knockin Mice. <i>Methods in Molecular Biology</i> , 2017 , 1489, 361-376	1.4	