

Levon M Khachigian

List of Publications by Year in descending order

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187
papers

11,366
citations

30068

54
h-index

33889

99
g-index

214
all docs

214
docs citations

214
times ranked

16457
citing authors

#	ARTICLE	IF	CITATIONS
1	A promoter-level mammalian expression atlas. <i>Nature</i> , 2014, 507, 462-470.	27.8	1,838
2	Transcribed enhancers lead waves of coordinated transcription in transitioning mammalian cells. <i>Science</i> , 2015, 347, 1010-1014.	12.6	517
3	Coronary in-stent restenosis: Current status and future strategies. <i>Journal of the American College of Cardiology</i> , 2002, 39, 183-193.	2.8	346
4	Transcription factor Egr-1 supports FGF-dependent angiogenesis during neovascularization and tumor growth. <i>Nature Medicine</i> , 2003, 9, 1026-1032.	30.7	337
5	Sp1 Phosphorylation and Its Regulation of Gene Transcription. <i>Molecular and Cellular Biology</i> , 2009, 29, 2483-2488.	2.3	287
6	Interplay of Sp1 and Egr-1 in the Proximal Platelet-derived Growth Factor A-Chain Promoter in Cultured Vascular Endothelial Cells. <i>Journal of Biological Chemistry</i> , 1995, 270, 27679-27686.	3.4	260
7	Early Growth Response-1 in Cardiovascular Pathobiology. <i>Circulation Research</i> , 2006, 98, 186-191.	4.5	252
8	New DNA enzyme targeting Egr-1 mRNA inhibits vascular smooth muscle proliferation and regrowth after injury. <i>Nature Medicine</i> , 1999, 5, 1264-1269.	30.7	232
9	FANTOM5 CAGE profiles of human and mouse samples. <i>Scientific Data</i> , 2017, 4, 170112.	5.3	195
10	Egr-1 is Activated in Endothelial Cells Exposed to Fluid Shear Stress and Interacts With a Novel Shear-Stress-Response Element in the PDGF A-Chain Promoter. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997, 17, 2280-2286.	2.4	190
11	Dominantly Inherited Constitutional Epigenetic Silencing of MLH1 in a Cancer-Affected Family Is Linked to a Single Nucleotide Variant within the 5'UTR. <i>Cancer Cell</i> , 2011, 20, 200-213.	16.8	158
12	Galectin-1 Interacts with the $\alpha 5 \beta 1$ Fibronectin Receptor to Restrict Carcinoma Cell Growth via Induction of p21 and p27. <i>Journal of Biological Chemistry</i> , 2005, 280, 37266-37277.	3.4	148
13	Collagen antibody-induced arthritis. <i>Nature Protocols</i> , 2006, 1, 2512-2516.	12.0	148
14	Effect of Deoxyribozymes Targeting c-Jun on Solid Tumor Growth and Angiogenesis in Rodents. <i>Journal of the National Cancer Institute</i> , 2004, 96, 683-696.	6.3	147
15	Inducible Expression of Egr-1-Dependent Genes. <i>Circulation Research</i> , 1997, 81, 457-461.	4.5	138
16	DNAzyme technology and cancer therapy: cleave and let die. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 243-251.	4.1	130
17	Isolation and Characterization of a Novel Zinc-finger Protein with Transcriptional Repressor Activity. <i>Journal of Biological Chemistry</i> , 1995, 270, 22143-22152.	3.4	123
18	The Yin and Yang of β 1 in tumor growth and suppression. <i>International Journal of Cancer</i> , 2018, 143, 460-465.	5.1	121

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19	Protein-Protein Interaction between Fli-1 and GATA-1 Mediates Synergistic Expression of Megakaryocyte-Specific Genes through Cooperative DNA Binding. <i>Molecular and Cellular Biology</i> , 2003, 23, 3427-3441.	2.3	114
20	Brothers in Arms. <i>American Journal of Pathology</i> , 2007, 171, 1079-1088.	3.8	113
21	Hemodynamics, Endothelial Gene Expression, and Atherogenesis. <i>Annals of the New York Academy of Sciences</i> , 1997, 811, 1-11.	3.8	112
22	Sp1 Is a Component of the Cytokine-inducible Enhancer in the Promoter of Vascular Cell Adhesion Molecule-1. <i>Journal of Biological Chemistry</i> , 1995, 270, 28903-28909.	3.4	110
23	Early Growth Response Factor-1 Induction by Injury Is Triggered by Release and Paracrine Activation by Fibroblast Growth Factor-2. <i>American Journal of Pathology</i> , 1999, 154, 937-944.	3.8	109
24	Inhibition of human breast carcinoma proliferation, migration, chemoinvasion and solid tumour growth by DNazymes targeting the zinc finger transcription factor EGR-1. <i>Nucleic Acids Research</i> , 2004, 32, 3065-3069.	14.5	108
25	Catalytic Oligodeoxynucleotides Define a Key Regulatory Role for Early Growth Response Factor-1 in the Porcine Model of Coronary In-Stent Restenosis. <i>Circulation Research</i> , 2001, 89, 670-677.	4.5	105
26	Suppression of vascular permeability and inflammation by targeting of the transcription factor c-Jun. <i>Nature Biotechnology</i> , 2006, 24, 856-863.	17.5	104
27	c-Jun Regulates Vascular Smooth Muscle Cell Growth and Neointima Formation after Arterial Injury. <i>Journal of Biological Chemistry</i> , 2002, 277, 22985-22991.	3.4	97
28	Endothelial Gene Regulation by Laminar Shear Stress. <i>Advances in Experimental Medicine and Biology</i> , 1997, 430, 155-164.	1.6	97
29	Effects of MYCN Antisense Oligonucleotide Administration on Tumorigenesis in a Murine Model of Neuroblastoma. <i>Journal of the National Cancer Institute</i> , 2003, 95, 1394-1403.	6.3	96
30	ERK, JNK, and p38 MAP kinases differentially regulate proliferation and migration of phenotypically distinct smooth muscle cell subtypes. <i>Journal of Cellular Biochemistry</i> , 2003, 89, 289-300.	2.6	95
31	Induction of Platelet-derived Growth Factor B-chain Expression by Transforming Growth Factor- β^2 Involves Transactivation by Smads. <i>Journal of Biological Chemistry</i> , 2000, 275, 16709-16716.	3.4	91
32	Macrophage Migration Inhibitory Factor Increases Leukocyte-Endothelial Interactions in Human Endothelial Cells via Promotion of Expression of Adhesion Molecules. <i>Journal of Immunology</i> , 2010, 185, 1238-1247.	0.8	89
33	Safety and tolerability of an intratumorally injected DNzyme, Dz13, in patients with nodular basal-cell carcinoma: a phase 1 first-in-human trial (DISCOVER). <i>Lancet</i> , 2013, 381, 1835-1843.	13.7	87
34	The role of platelet α -granular proteins in the regulation of thrombopoietin messenger RNA expression in human bone marrow stromal cells. <i>Blood</i> , 2000, 95, 3094-3101.	1.4	85
35	TRAIL Stimulates Proliferation of Vascular Smooth Muscle Cells via Activation of NF- κ B and Induction of Insulin-like Growth Factor-1 Receptor. <i>Journal of Biological Chemistry</i> , 2008, 283, 7754-7762.	3.4	83
36	Current and Potential Treatments for Cervical Cancer. <i>Current Cancer Drug Targets</i> , 2013, 13, 205-220.	1.6	83

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37	Early Growth Response-1 Regulates Angiopoietin-1-Induced Endothelial Cell Proliferation, Migration, and Differentiation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 209-216.	2.4	77
38	Sp1 Inhibits Proliferation and Induces Apoptosis in Vascular Smooth Muscle Cells by Repressing p21WAF1/Cip1 Transcription and Cyclin D1-Cdk4-p21WAF1/Cip1 Complex Formation. <i>Journal of Biological Chemistry</i> , 2003, 278, 32537-32543.	3.4	72
39	Fibroblast Growth Factor-2 Represses Platelet-derived Growth Factor Receptor- β (PDGFR- β) Transcription via ERK1/2-dependent Sp1 Phosphorylation and an Atypical cis-Acting Element in the Proximal PDGFR- β Promoter. <i>Journal of Biological Chemistry</i> , 2004, 279, 2377-2382.	3.4	72
40	Early Growth Response Gene 1 (EGR1) Regulates Heparanase Gene Transcription in Tumor Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 35136-35147.	3.4	72
41	TRAIL Promotes VSMC Proliferation and Neointima Formation in a FGF-2 β , Sp1 Phosphorylation β , and NF κ B-Dependent Manner. <i>Circulation Research</i> , 2010, 106, 1061-1071.	4.5	72
42	Sp1 Phosphorylation Regulates Apoptosis via Extracellular FasL-Fas Engagement. <i>Journal of Biological Chemistry</i> , 2001, 276, 4964-4971.	3.4	71
43	Regulation of Inducible Heparanase Gene Transcription in Activated T Cells by Early Growth Response 1. <i>Journal of Biological Chemistry</i> , 2003, 278, 50377-50385.	3.4	71
44	Yin Yang-1 Inhibits Vascular Smooth Muscle Cell Growth and Intimal Thickening by Repressing p21 WAF1/Cip1 Transcription and p21 WAF1/Cip1 -Cdk4-Cyclin D1 Assembly. <i>Circulation Research</i> , 2007, 101, 146-155.	4.5	67
45	Phosphomannopentaose Sulfate (P α 88): Heparan Sulfate Mimetic with Clinical Potential in Multiple Vascular Pathologies. <i>Cardiovascular Drug Reviews</i> , 2004, 22, 1-6.	4.1	63
46	Ets-1 Positively Regulates Fas Ligand Transcription via Cooperative Interactions with Sp1. <i>Journal of Biological Chemistry</i> , 2002, 277, 36244-36252.	3.4	61
47	Vascular Smooth Muscle Cell Proliferation and Regrowth after Mechanical Injury in Vitro Are Egr-1/NGFI-A-Dependent. <i>American Journal of Pathology</i> , 1999, 155, 897-905.	3.8	60
48	DNAzyme Targeting c- <i>jun</i> Suppresses Skin Cancer Growth. <i>Science Translational Medicine</i> , 2012, 4, 139ra82.	12.4	60
49	Regulation of vascular leak and recovery from ischemic injury by general and VE-cadherin β restricted miRNA antagonists of miR-27. <i>Blood</i> , 2013, 122, 2911-2919.	1.4	60
50	Sp1 phosphorylation regulates inducible expression of platelet-derived growth factor B-chain gene via atypical protein kinase C-zeta. <i>Nucleic Acids Research</i> , 2001, 29, 1027-1033.	14.5	58
51	GILZ Overexpression Inhibits Endothelial Cell Adhesive Function through Regulation of NF κ B and MAPK Activity. <i>Journal of Immunology</i> , 2013, 191, 424-433.	0.8	57
52	Catalytic DNAs as potential therapeutic agents and sequence-specific molecular tools to dissect biological function. <i>Journal of Clinical Investigation</i> , 2000, 106, 1189-1195.	8.2	57
53	Crucial Role for Early Growth Response-1 in the Transcriptional Regulation of miR-20b in Breast Cancer. <i>Oncotarget</i> , 2013, 4, 1373-1387.	1.8	57
54	Regulation of PDGF-B in Endothelial Cells Exposed to Cyclic Strain. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998, 18, 349-355.	2.4	56

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55	GC Factor 2 Represses Platelet-Derived Growth Factor A-Chain Gene Transcription and Is Itself Induced by Arterial Injury. <i>Circulation Research</i> , 1999, 84, 1258-1267.	4.5	56
56	Modulation of Growth Factor Gene Expression in Vascular Cells by Oxidative Stress. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2004, 11, 133-139.	1.7	56
57	Blockade of Vascular Smooth Muscle Cell Proliferation and Intimal Thickening After Balloon Injury by the Sulfated Oligosaccharide PI-88. <i>Circulation Research</i> , 2003, 92, e70-7.	4.5	54
58	Albendazole inhibits endothelial cell migration, tube formation, vasopermeability, VEGF receptor-2 expression and suppresses retinal neovascularization in ROP model of angiogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2010, 397, 729-734.	2.1	54
59	PDGF β -Receptor Kinase Activity and ERK1/2 Mediate Glycosaminoglycan Elongation on Biglycan and Increases Binding to LDL. <i>Endocrinology</i> , 2010, 151, 4356-4367.	2.8	52
60	Angiotensin II (ATII)-inducible Platelet-derived Growth Factor A-chain Gene Expression Is p42/44 Extracellular Signal-regulated Kinase-1/2 and Egr-1-dependent and Mediated via the ATII Type 1 but Not Type 2 Receptor. <i>Journal of Biological Chemistry</i> , 1999, 274, 23726-23733.	3.4	51
61	Rat models of myocardial infarction. <i>Thrombosis and Haemostasis</i> , 2006, 96, 602-610.	3.4	51
62	Activation Transcription Factor-4 Induced by Fibroblast Growth Factor-2 Regulates Vascular Endothelial Growth Factor-A Transcription in Vascular Smooth Muscle Cells and Mediates Intimal Thickening in Rat Arteries Following Balloon Injury. <i>Circulation Research</i> , 2008, 103, 378-387.	4.5	51
63	Zinc Finger Transcription Factors Mediate High Constitutive Platelet-derived Growth Factor-B Expression in Smooth Muscle Cells Derived from Aortae of Newborn Rats. <i>Journal of Biological Chemistry</i> , 1998, 273, 5758-5764.	3.4	50
64	Oxidative stress regulates IGF1R expression in vascular smooth-muscle cells via p53 and HDAC recruitment. <i>Biochemical Journal</i> , 2007, 407, 79-87.	3.7	50
65	Induction of the Transcriptional Repressor Yin Yang-1 by Vascular Cell Injury. <i>Journal of Biological Chemistry</i> , 2001, 276, 41143-41149.	3.4	49
66	NF1/X represses PDGF A-chain transcription by interacting with Sp1 and antagonizing Sp1 occupancy of the promoter. <i>EMBO Journal</i> , 2002, 21, 334-343.	7.8	49
67	Ets-1 Stimulates Platelet-Derived Growth Factor A-Chain Gene Transcription and Vascular Smooth Muscle Cell Growth via Cooperative Interactions With Sp1. <i>Circulation Research</i> , 2004, 95, 479-487.	4.5	48
68	Neutralizing the pathological effects of extracellular histones with small polyanions. <i>Nature Communications</i> , 2020, 11, 6408.	12.8	48
69	Vascular Smooth Muscle Cells Express the Transcriptional Corepressor NAB2 in Response to Injury. <i>American Journal of Pathology</i> , 1999, 155, 1311-1317.	3.8	47
70	FGF-1-Induced Platelet-Derived Growth Factor-A Chain Gene Expression in Endothelial Cells Involves Transcriptional Activation by Early Growth Response Factor-1. <i>Circulation Research</i> , 1997, 81, 282-288.	4.5	47
71	Catalytic Antisense DNA Molecules Targeting Egr-1 Inhibit Neointima Formation following Permanent Ligation of Rat Common Carotid Arteries. <i>Thrombosis and Haemostasis</i> , 2002, 87, 134-140.	3.4	46
72	Locked nucleic acid modified DNA enzymes targeting early growth response-1 inhibit human vascular smooth muscle cell growth. <i>Nucleic Acids Research</i> , 2004, 32, 2281-2285.	14.5	46

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73	Ets-1 Protects Vascular Smooth Muscle Cells from Undergoing Apoptosis by Activating p21WAF1/Cip1. <i>Journal of Biological Chemistry</i> , 2003, 278, 27903-27909.	3.4	45
74	Regulatory roles of c-jun in H5N1 influenza virus replication and host inflammation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014, 1842, 2479-2488.	3.8	45
75	Nucleic acid based strategies as potential therapeutic tools: mechanistic considerations and implications to restenosis. <i>Journal of Molecular Medicine</i> , 2001, 79, 695-706.	3.9	44
76	Early growth response factor-1 mediates insulin-inducible vascular endothelial cell proliferation and regrowth after injury. <i>Journal of Cellular Biochemistry</i> , 2001, 81, 523-534.	2.6	44
77	Fibroblast Growth Factor-2 Induction of Platelet-derived Growth Factor-C Chain Transcription in Vascular Smooth Muscle Cells Is ERK-dependent but Not JNK-dependent and Mediated by Egr-1. <i>Journal of Biological Chemistry</i> , 2004, 279, 40289-40295.	3.4	44
78	The Cytoplasmic Domain of Tissue Factor Contributes to Leukocyte Recruitment and Death in Endotoxemia. <i>American Journal of Pathology</i> , 2004, 165, 331-340.	3.8	44
79	A Key Role for Early Growth Response-1 and Nuclear Factor- κ B in Mediating and Maintaining GRO/CXCR2 Proliferative Signaling in Esophageal Cancer. <i>Molecular Cancer Research</i> , 2009, 7, 755-764.	3.4	44
80	Phosphorylation and Acetylation of Histone H3 and Autoregulation by Early Growth Response 1 Mediate Interleukin 1 β Induction of Early Growth Response 1 Transcription. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 536-545.	2.4	42
81	Sp1, acetylated histone H3 and p300 regulate TRAIL transcription: Mechanisms of PDGF-mediated VSMC proliferation and migration. <i>Journal of Cellular Biochemistry</i> , 2012, 113, 2597-2606.	2.6	40
82	Targeted therapies in the management of locally advanced and metastatic pancreatic cancer: a systematic review. <i>Oncotarget</i> , 2018, 9, 21613-21627.	1.8	39
83	c-Jun DNazymes Inhibit Myocardial Inflammation, ROS Generation, Infarct Size, and Improve Cardiac Function After Ischemia-Reperfusion Injury. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 1836-1842.	2.4	37
84	Platelet-derived growth factor enhances platelet recovery in a murine model of radiation-induced thrombocytopenia and reduces apoptosis in megakaryocytes via its receptors and the PI3-k/Akt pathway. <i>Haematologica</i> , 2010, 95, 1745-1753.	3.5	37
85	Deoxyribozymes as Catalytic Nanotherapeutic Agents. <i>Cancer Research</i> , 2019, 79, 879-888.	0.9	37
86	Circulating mediators of remote ischemic preconditioning: search for the missing link between non-lethal ischemia and cardioprotection. <i>Oncotarget</i> , 2019, 10, 216-244.	1.8	37
87	Interplay Between Heme Oxygenase-1 and the Multifunctional Transcription Factor Yin Yang 1 in the Inhibition of Intimal Hyperplasia. <i>Circulation Research</i> , 2010, 107, 1490-1497.	4.5	35
88	c-Jun knockdown sensitizes osteosarcoma to doxorubicin. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 1909-1912.	4.1	34
89	Inducible platelet-derived growth factor D-chain expression by angiotensin II and hydrogen peroxide involves transcriptional regulation by Ets-1 and Sp1. <i>Blood</i> , 2006, 107, 2322-2329.	1.4	31
90	c-Jun Is Critical for the Progression of Osteosarcoma: Proof in an Orthotopic Spontaneously Metastasizing Model. <i>Molecular Cancer Research</i> , 2008, 6, 1289-1292.	3.4	31

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91	Angiotensin II-Inducible Smooth Muscle Cell Apoptosis Involves the Angiotensin II Type 2 Receptor, GATA-6 Activation, and FasL-Fas Engagement. <i>Circulation Research</i> , 2009, 105, 422-430.	4.5	31
92	Early Growth Response-1, an Integrative Sensor in Cardiovascular and Inflammatory Disease. <i>Journal of the American Heart Association</i> , 2021, 10, e023539.	3.7	31
93	Suppression of growth factor expression and human vascular smooth muscle cell growth by small interfering RNA targeting EGR-1. <i>Journal of Cellular Biochemistry</i> , 2007, 100, 1526-1535.	2.6	30
94	Biocompatible chitosan-DNAzyme nanoparticle exhibits enhanced biological activity. <i>Journal of Microencapsulation</i> , 2008, 25, 421-425.	2.8	30
95	Angiotensin II-Inducible Platelet-Derived Growth Factor-D Transcription Requires Specific Ser/Thr Residues in the Second Zinc Finger Region of Sp1. <i>Circulation Research</i> , 2008, 102, e38-51.	4.5	29
96	Comparative transcriptomics of primary cells in vertebrates. <i>Genome Research</i> , 2020, 30, 951-961.	5.5	29
97	Antisense Egr-1 RNA driven by the CMV promoter is an inhibitor of vascular smooth muscle cell proliferation and regrowth after injury. <i>Journal of Cellular Biochemistry</i> , 2002, 84, 575-582.	2.6	28
98	Downregulation of c-jun results in apoptosis-mediated anti-osteosarcoma activity in an orthotopic model. <i>Cancer Biology and Therapy</i> , 2008, 7, 1033-1036.	3.4	28
99	Intracoronary delivery of DNazymes targeting human EGR-1 reduces infarct size following myocardial ischaemia reperfusion. <i>Journal of Pathology</i> , 2012, 227, 157-164.	4.5	28
100	Early growth response-1 in the pathogenesis of cardiovascular disease. <i>Journal of Molecular Medicine</i> , 2016, 94, 747-753.	3.9	28
101	The anthelmintic flubendazole blocks human melanoma growth and metastasis and suppresses programmed cell death protein-1 and myeloid-derived suppressor cell accumulation. <i>Cancer Letters</i> , 2019, 459, 268-276.	7.2	28
102	Drug-induced Immune Thrombocytopenia. <i>Hematology/Oncology Clinics of North America</i> , 2013, 27, 521-540.	2.2	27
103	Remote Ischemic Preconditioning Induces Cardioprotective Autophagy and Signals through the IL-6-Dependent JAK-STAT Pathway. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1692.	4.1	27
104	Early Growth Response-1: Blocking Angiogenesis by Shooting the Messenger. <i>Cell Cycle</i> , 2004, 3, 9-10.	2.6	26
105	Involvement of c-jun in human liposarcoma growth: supporting data from clinical immunohistochemistry and DNAzyme efficacy. <i>Cancer Biology and Therapy</i> , 2008, 7, 1297-1301.	3.4	26
106	Selective Inhibition of the Master Regulator Transcription Factor Egr-1 With Catalytic Oligonucleotides Reduces Myocardial Injury and Improves Left Ventricular Systolic Function in a Preclinical Model of Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2013, 2, e000023.	3.7	26
107	Nuclear import of early growth response-1 involves importin-7 and the novel nuclear localization signal serine-proline-serine. <i>International Journal of Biochemistry and Cell Biology</i> , 2011, 43, 905-912.	2.8	25
108	Emerging therapeutic approaches in the management of retinal angiogenesis and edema. <i>Journal of Molecular Medicine</i> , 2011, 89, 343-361.	3.9	25

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109	Peroxide-Inducible Ets-1 Mediates Platelet-Derived Growth Factor Receptor- α Gene Transcription in Vascular Smooth Muscle Cells. <i>American Journal of Pathology</i> , 2005, 167, 1149-1159.	3.8	24
110	JUN siRNA regulates matrix metalloproteinase-2 expression, microvascular endothelial growth and retinal neovascularisation. <i>Journal of Cell Science</i> , 2006, 119, 3219-3226.	2.0	24
111	c-Jun Regulates Shear- and Injury-inducible Egr-1 Expression, Vein Graft Stenosis after Autologous End-to-Side Transplantation in Rabbits, and Intimal Hyperplasia in Human Saphenous Veins. <i>Journal of Biological Chemistry</i> , 2010, 285, 4038-4048.	3.4	23
112	Recruitment and maturation of the coronary collateral circulation: Current understanding and perspectives in arteriogenesis. <i>Microvascular Research</i> , 2020, 132, 104058.	2.5	23
113	Transcriptional Dynamics Reveal Critical Roles for Non-coding RNAs in the Immediate-Early Response. <i>PLoS Computational Biology</i> , 2015, 11, e1004217.	3.2	22
114	Angiotensin II induction of PDGF-C expression is mediated by AT1 receptor-dependent Egr-1 transactivation. <i>Nucleic Acids Research</i> , 2008, 36, 1941-1951.	14.5	20
115	“Summer Shift”: A Potential Effect of Sunshine on the Time Onset of ST-Elevation Acute Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2018, 7, .	3.7	20
116	IL-1 β Signals through the EGF Receptor and Activates Egr-1 through MMP-ADAM. <i>PLoS ONE</i> , 2012, 7, e39811.	2.5	20
117	Platelet-derived growth factor and alternative splicing: A review. <i>Pathology</i> , 1992, 24, 280-290.	0.6	20
118	DNAzymes: cutting a path to a new class of therapeutics. <i>Current Opinion in Molecular Therapeutics</i> , 2002, 4, 119-21.	2.8	19
119	von Hippel-Lindau tumor suppressor protein represses platelet-derived growth factor B-chain gene expression via the Sp1 binding element in the proximal PDGF-B promoter. <i>Journal of Cellular Biochemistry</i> , 2002, 85, 490-495.	2.6	18
120	Drug-induced thrombocytopenia: development of a novel NOD/SCID mouse model to evaluate clearance of circulating platelets by drug-dependent antibodies and the efficacy of IVIG. <i>Blood</i> , 2010, 116, 1958-1960.	1.4	18
121	Extracellular matrix is a source of mitogenically active platelet-derived growth factor. , 1996, 168, 322-332.		17
122	PDGF-D Expression Is Down-Regulated by TGF β 2 in Fibroblasts. <i>PLoS ONE</i> , 2014, 9, e108656.	2.5	17
123	Activation transcription factor-4 and the acute vascular response to injury. <i>Journal of Molecular Medicine</i> , 2010, 88, 545-552.	3.9	16
124	MicroRNA miR-191 targets the zinc finger transcription factor Egr-1 and suppresses intimal thickening after carotid injury. <i>International Journal of Cardiology</i> , 2016, 212, 299-302.	1.7	16
125	Thermostable small-molecule inhibitor of angiogenesis and vascular permeability that suppresses a pERK-FosB/1”FosB”VCAM-1 axis. <i>Science Advances</i> , 2020, 6, eaaz7815.	10.3	16
126	Vascular smooth muscle cell-specific regulation of cyclin-dependent kinase inhibitor p21WAF1/Cip1 transcription by Sp1 is mediated via distinct cis-acting positive and negative regulatory elements in the proximal p21WAF1/Cip1 promoter. <i>Journal of Cellular Biochemistry</i> , 2004, 93, 904-916.	2.6	15

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127	Platelet-Derived Growth Factor-BB Mediates Cell Migration through Induction of Activating Transcription Factor 4 and Tenascin-C. <i>American Journal of Pathology</i> , 2012, 180, 2590-2597.	3.8	15
128	Melanoma protective antitumor immunity activated by catalytic DNA. <i>Oncogene</i> , 2018, 37, 5115-5126.	5.9	15
129	Catalytic antisense DNA molecules targeting Egr-1 inhibit neointima formation following permanent ligation of rat common carotid arteries. <i>Thrombosis and Haemostasis</i> , 2002, 87, 134-40.	3.4	15
130	Structural basis for the extracellular retention of PDGF A-chain using a synthetic peptide corresponding to exon 6. <i>Peptides</i> , 1994, 15, 133-137.	2.4	14
131	Recent developments in drug-eluting stents. <i>Journal of Molecular Medicine</i> , 2011, 89, 545-553.	3.9	14
132	Transcription Factors Targeted by miRNAs Regulating Smooth Muscle Cell Growth and Intimal Thickening after Vascular Injury. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5445.	4.1	14
133	Genistein inhibits PDGF-stimulated proteoglycan synthesis in vascular smooth muscle without blocking PDGF β receptor phosphorylation. <i>Archives of Biochemistry and Biophysics</i> , 2012, 525, 25-31.	3.0	13
134	Inhibition of vein graft stenosis with a c-jun targeting DNAzyme in a cationic liposomal formulation containing 1,2-dioleoyl-3-trimethylammonium propane (DOTAP)/1,2-dioleoyl-sn-glycero-3-phosphoethanolamine (DOPE). <i>International Journal of Cardiology</i> , 2013, 168, 3659-3664.	1.7	13
135	DNAzyme Delivery Approaches in Biological Settings. <i>Current Medicinal Chemistry</i> , 2013, 20, 3448-3455.	2.4	13
136	Acute Local Release of Fibroblast Growth Factor-2 but not Transforming Growth Factor- β 1 following Coronary Stenting. <i>Thrombosis and Haemostasis</i> , 2001, 85, 574-576.	3.4	12
137	The role of c-jun in PDTC-sensitive flow-dependent restenosis after angioplasty and stenting. <i>Atherosclerosis</i> , 2007, 194, 364-371.	0.8	11
138	Repression of PDGF-R β after cellular injury involves TNF α , formation of a c-Fos-YY1 complex, and negative regulation by HDAC. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 302, C1590-C1598.	4.6	11
139	Yin Yang-1 inhibits tumor cell growth and inhibits p21WAF1/Cip1 complex formation with cdk4 and cyclin D1. <i>International Journal of Oncology</i> , 2012, 40, 1575-80.	3.3	11
140	Discovery of widespread transcription initiation at microsatellites predictable by sequence-based deep neural network. <i>Nature Communications</i> , 2021, 12, 3297.	12.8	11
141	SUMOylation Regulates the Transcriptional Repression Activity of FOG-2 and Its Association with GATA-4. <i>PLoS ONE</i> , 2012, 7, e50637.	2.5	10
142	Promoter Usage and Dynamics in Vascular Smooth Muscle Cells Exposed to Fibroblast Growth Factor-2 or Interleukin-1 β . <i>Scientific Reports</i> , 2018, 8, 13164.	3.3	10
143	Pharmaceutical patents: reconciling the human right to health with the incentive to invent. <i>Drug Discovery Today</i> , 2020, 25, 1135-1141.	6.4	10
144	Mechanisms of angiotensin II-induced platelet-derived growth factor gene expression. <i>Molecular and Cellular Biochemistry</i> , 2000, 212, 183-186.	3.1	9

#	ARTICLE	IF	CITATIONS
145	Histone Deacetylase-1 Is Enriched at the Platelet-derived Growth Factor-D Promoter in Response to Interleukin-1 β and Forms a Cytokine-inducible Gene-silencing Complex with NF- κ B p65 and Interferon Regulatory Factor-1. <i>Journal of Biological Chemistry</i> , 2009, 284, 35101-4263.	3.4	9
146	Injury-induced Platelet-derived Growth Factor Receptor- α Expression Mediated by Interleukin-1 β (IL-1 β) Release and Cooperative Transactivation by NF- κ B and ATF-4. <i>Journal of Biological Chemistry</i> , 2009, 284, 27933-27943.	3.4	9
147	Reduced Retinal Microvascular Density, Improved Forepaw Reach, Comparative Microarray and Gene Set Enrichment Analysis with c-jun Targeting DNA Enzyme. <i>PLoS ONE</i> , 2012, 7, e39160.	2.5	9
148	Succinobucol induces apoptosis in vascular smooth muscle cells. <i>Free Radical Biology and Medicine</i> , 2012, 52, 871-879.	2.9	9
149	Serine 26 in Early Growth Response-1 Is Critical for Endothelial Proliferation, Migration, and Network Formation. <i>Journal of the American Heart Association</i> , 2021, 10, e020521.	3.7	9
150	Emerging insights on functions of the anthelmintic flubendazole as a repurposed anticancer agent. <i>Cancer Letters</i> , 2021, 522, 57-62.	7.2	9
151	Antisense Egr-1 RNA driven by the CMV promoter is an inhibitor of vascular smooth muscle cell proliferation and regrowth after injury. <i>Journal of Cellular Biochemistry</i> , 2002, 84, 575-82.	2.6	9
152	Early growth response-1: blocking angiogenesis by shooting the messenger. <i>Cell Cycle</i> , 2004, 3, 10-1.	2.6	9
153	A crossreactive antipeptide monoclonal antibody with specificity for lysyl-lysine. <i>Journal of Immunological Methods</i> , 1991, 140, 249-258.	1.4	8
154	Inhibition of intimal thickening after vascular injury with a cocktail of vascular endothelial growth factor and cyclic Arg-Gly-Asp peptide. <i>International Journal of Cardiology</i> , 2016, 220, 185-191.	1.7	8
155	Extracellular signal-regulated kinase-1 phosphorylates early growth response-1 at serine 26. <i>Biochemical and Biophysical Research Communications</i> , 2019, 510, 345-351.	2.1	8
156	Fibroblast growth factor 2 and the transcription factor Egr-1 localise to endothelial cell microvascular channels in human coronary artery occlusion. <i>Thrombosis and Haemostasis</i> , 2005, 93, 172-174.	3.4	7
157	Truncated YY1 interacts with BASP1 through a 339KLK341 motif in YY1 and suppresses vascular smooth muscle cell growth and intimal hyperplasia after vascular injury. <i>Cardiovascular Research</i> , 2021, 117, 2395-2406.	3.8	7
158	Developing Neolignans as Proangiogenic Agents: Stereoselective Total Syntheses and Preliminary Biological Evaluations of the Four Guaiacylglycerol 8-O-4'-Coniferyl Ethers. <i>ACS Omega</i> , 2017, 2, 7375-7388.	3.5	5
159	Repurposing Drugs for Skin Cancer. <i>Current Medicinal Chemistry</i> , 2020, 27, 7214-7221.	2.4	5
160	Left main coronary artery stenosis after percutaneous transluminal coronary angioplasty: Importance of remaining ?minimally invasive?. <i>Catheterization and Cardiovascular Interventions</i> , 1999, 46, 254-255.	1.7	4
161	Novel Negative Regulatory Element in the Platelet-derived Growth Factor B Chain Promoter That Mediates ERK-dependent Transcriptional Repression. <i>Journal of Biological Chemistry</i> , 2000, 275, 11478-11483.	3.4	4
162	Catalytic Oligonucleotides Targeting EGR-1 As Potential Inhibitors of In-Stent Restenosis. <i>Annals of the New York Academy of Sciences</i> , 2001, 947, 412-415.	3.8	4

#	ARTICLE	IF	CITATIONS
163	The streptozotocin-treated Sprague-Dawley rat: a useful model for the assessment of acute and chronic effects of myocardial ischaemia reperfusion injury in experimental diabetes. <i>Diabetes and Vascular Disease Research</i> , 2007, 4, 153-154.	2.0	4
164	Divergent roles of NF- κ B and Egr-1 in flow-dependent restenosis after angioplasty and stenting. <i>Atherosclerosis</i> , 2011, 214, 65-72.	0.8	4
165	Coating Stents With Antirestenotic Drugs: The Blunderbuss or the Magic Bullet?. <i>Circulation</i> , 2002, 105, .	1.6	3
166	BT2 Suppresses Human Monocytic-Endothelial Cell Adhesion, Bone Erosion and Inflammation. <i>Journal of Inflammation Research</i> , 2021, Volume 14, 1019-1028.	3.5	3
167	Deoxyribozymes as Inhibitors of Vascular Smooth Muscle Cell Growth. <i>Current Pharmaceutical Biotechnology</i> , 2004, 5, 337-339.	1.6	3
168	Therapeutic Perspectives on Pancreatic Cancer. <i>Current Cancer Drug Targets</i> , 2013, 13, 400-410.	1.6	3
169	Coating stents with antirestenotic drugs: the blunderbuss or the magic bullet?. <i>Circulation</i> , 2002, 105, E29.	1.6	3
170	Low flow promotes instent intimal hyperplasia. <i>Atherosclerosis</i> , 2004, 177, 269-274.	0.8	2
171	Suppressing a sick heart. <i>Nature Medicine</i> , 2005, 11, 828-829.	30.7	2
172	Health and medical research funding: an investment in Australia's future. <i>Medical Journal of Australia</i> , 2006, 185, 348-349.	1.7	2
173	Destroyingc-junMessenger: New Insights into Biological Mechanisms of DNAzyme Function. <i>Oncotarget</i> , 2012, 3, 594-595.	1.8	2
174	RNA sequencing identifies genes reliant upon Ser26 in early growth response-1 in vascular endothelial cells exposed to fibroblast growth factor-2. <i>Vascular Pharmacology</i> , 2022, , 106952.	2.1	2
175	Oxidative Stress and Endothelial Dysfunction. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2004, 11, 77-78.	1.7	1
176	DNAzymes as molecular agents that manipulate Egr-1 gene expression. <i>Biochemical Pharmacology</i> , 2004, 68, 1023-1025.	4.4	1
177	The Yin and Yang of YY1 in tumor growth and suppression. , 0, .		1
178	Mechanisms of angiotensin II-induced platelet-derived growth factor gene expression. , 2000, , 183-186.		1
179	Novel and Emerging Therapies in Cardiology and Haematology. <i>Current Drug Targets Cardiovascular & Haematological Disorders</i> , 2003, 3, 101-123.	2.0	1
180	The Endothelium and Cardiovascular Disease: New Developments, New Challenges. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2006, 13, 365-365.	1.7	0

#	ARTICLE	IF	CITATIONS
181	Early Growth Response-1 Coupling in Vascular Endothelium. , 2007, , 818-821.		0
182	Immediate-early genes as master switches in disease. Cell Biology International, 2008, 32, S3-S3.	3.0	0
183	Response to Abcouwer and Roybal. Circulation Research, 2008, 103, .	4.5	0
184	Correction: Macrophage Migration Inhibitory Factor Increases Leukocyte-Endothelial Interactions in Human Endothelial Cells via Promotion of Expression of Adhesion Molecules. Journal of Immunology, 2010, 185, 4959-4959.	0.8	0
185	c-Jun regulates shear- and injury-inducible Egr-1 expression, vein graft stenosis after autologous end-to-side transplantation in rabbits, and intimal hyperplasia in human saphenous veins.. Journal of Biological Chemistry, 2013, 288, 31918.	3.4	0
186	Recent advances in vascular biology: Selected highlights from IVBM 2008. Thrombosis and Haemostasis, 2009, 101, 997-998.	3.4	0
187	Insights into Roles of Immediate-Early Genes in Angiogenesis. , 2013, , 145-162.		0