CITATION REPORT List of articles citing

Gene therapy for myocardial angiogenesis: initial clinical results with direct myocardial injection of phVEGF165 as sole therapy for myocardial ischemia

DOI: 10.1161/01.cir.98.25.2800 Circulation, 1998, 98, 2800-4.

Source: https://exaly.com/paper-pdf/29324218/citation-report.pdf

Version: 2024-04-19

This report has been generated based on the citations recorded by exaly.com for the above article. 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.

#	Paper	IF	Citations
921	Gene therapy for myocardial angiogenesis: initial clinical results with direct myocardial injection of phVEGF165 as sole therapy for myocardial ischemia. <i>Circulation</i> , 1998 , 98, 2800-4	16.7	860
920	It is time to ask what adenosine can do for cardioprotection. 1998 , 13, 211-28		22
919	Gene Therapy for the Treatment of Cardiovascular Disease. 1999 , 11, 349-353		
918	Therapeutic Angiogenesis in Ischemic Heart Disease. 1999 , 82, 772-780		13
917	Cancer and atherosclerosis: the broad mandate of angiogenesis. <i>Circulation</i> , 1999 , 99, 1653-5	16.7	65
916	Myocardial gene transfer for patients with myocardial ischemia. Circulation, 1999, 100, e108	16.7	1
915	Therapeutic angiogenesis: the new electrophysiology?. Circulation, 1999, 99, 2614-6	16.7	26
914	Intraoperative multiplane transesophageal echocardiography for guiding direct myocardial gene transfer of vascular endothelial growth factor in patients with refractory angina pectoris. 1999 , 10, 230	07-14	34
913	Vascular endothelial growth factor and diabetes: the agonist versus antagonist paradox. 1999 , 48, 189	9-906	264
912	Angiogenesis for treatment of ischemic heart disease: should we worry about progression of atherosclerosis?. <i>Circulation</i> , 1999 , 100, e109	16.7	2
911	Development of a method for measuring myocardial contractility with gated myocardial SPECT and arterial tonometry. 1999 , 6, 657-63		8
910	Role of vascular endothelial growth factor in the regulation of angiogenesis. 1999 , 56, 794-814		547
909	How realistic is cutaneous gene therapy?. 1999 , 8, 419-31		15
908	Clinical applications of angiogenic growth factors and their inhibitors. 1999 , 5, 1359-64		878
907	Therapeutic angiogenesis for heart failure. 1999 , 5, 491-2		96
906	Molecular switches for regulating therapeutic genes. 1999 , 6, 951-3		9
905	[Therapeutic neoangiogensis]. 1999 , 88, 241-4		2

904	Molecular and biological properties of vascular endothelial growth factor. 1999 , 77, 527-43	880
903	[Relevance of life sciences for traumatologic and orthopedic surgery]. 1999 , 102, 250-66	1
902	[Vascular endothelial factor (VEGF): therapeutic angiogenesis and vasculogenesis in the treatment of cardiovascular disease]. 1999 , 94, 193-201	10
901	Gene therapy for atherosclerosis and atherosclerosis-related diseases. 1999 , 1, 123-30	1
900	Angiogenesis. 1999 , 1, 165-71	15
899	Evaluation of the acute and chronic safety of the biosense injection catheter system in porcine hearts. 1999 , 48, 447-53; discussion 454-5	40
898	Leakage-resistant blood vessels in mice transgenically overexpressing angiopoietin-1. 1999 , 286, 2511-4	1175
897	Angiogenesis gene therapy: phase I assessment of direct intramyocardial administration of an adenovirus vector expressing VEGF121 cDNA to individuals with clinically significant severe 16.7 coronary artery disease. <i>Circulation</i> , 1999 , 100, 468-74	587
896	Gene therapyWhere are we?. 1999 , 354, S1-S4	20
895	Gene therapy with vascular endothelial growth factor for inoperable coronary artery disease. 1999 , 68, 830-6; discussion 836-7	265
894	Angiogenesis in cardiovascular disease: current status and therapeutic potential. 1999 , 58, 391-6	25
893	Catheter-based myocardial gene transfer utilizing nonfluoroscopic electromechanical left ventricular mapping. 1999 , 34, 246-54	81
892	A tunnel at the end of the light?. 1999 , 34, 1671-4	1
891	The potential for myocardial imaging with hypoxia markers. 1999 , 29, 330-8	22
890	Gene therapy for myocardial angiogenesis. 1999 , 138, S132-41	69
889	Rescue of diabetes-related impairment of angiogenesis by intramuscular gene therapy with adeno-VEGF. 1999 , 154, 355-63	410
888	Primordial prevention of cardiovascular disease through applied genetics. 1999 , 29, S41-9	12
887	Therapeutic angiogenesis. 1999 , 318, 1536-9	75

886	Manipulating angiogenesis against vascular disease. 1999 , 34, 69-74, 76, 79-80 passim	12
885	Stimulation of in vitro angiogenesis by tetrahydrobiopterin in bovine aortic endothelial cells. 1999 , 80, 177-80	13
884	Increased blood vascular endothelial growth factor levels in patients with acute myocardial infarction. 2000 , 93, 93-9	34
883	Gene Therapy in Cardiovascular Disease. 183-201	
882	Basic fibroblast growth factor caused no change in collateral flow or infarct size of acutely-infarcted myocardium in rats. 2000 , 191, 101-11	3
881	Bibliography. Current world literature. Cardiac failure. 2000 , 15, B95-136	
88o	Vascular protection: A novel nonangiogenic cardiovascular role for vascular endothelial growth factor. 2000 , 20, 1512-20	125
879	Catheter-based plasmid-mediated transfer of genes into ischemic myocardium using the pCOR plasmid. 2000 , 11, 615-9	7
878	Roles of endothelial dysfunction in coronary artery disease. 2000 , 15, 409-15	27
877	Transgenic mouse models in angiogenesis and cardiovascular disease. 2000 , 190, 387-405	97
876	Induction of angiogenesis by implantation of encapsulated primary myoblasts expressing vascular endothelial growth factor. 2000 , 2, 279-88	46
875	Enhanced vascularization of cultured skin substitutes genetically modified to overexpress vascular endothelial growth factor. 2000 , 114, 5-13	95
874	Role of vascular endothelial growth factor in diabetic vascular complications. 2000 , 77, S113-9	190
873	Gene therapy in wound repair and regeneration. 2000 , 8, 443-51	51
872	The impact of molecular medicine upon early cardiovascular drug development. 2000, 50, 1-8	2
871	Novel revascularization therapies ITMLR and growth factor-induced angiogenesis monitored with cardiac MRI. 2000 , 11, 61-64	
870	Keeping in touch with angiogenesis. 2000 , 6, 379-81	15
869	Varicella-zoster vaccine: the bad news may be good. 2000 , 6, 381-2	4

(2000-2000)

868	Heterogeneity of the angiogenic response induced in different normal adult tissues by vascular permeability factor/vascular endothelial growth factor. 2000 , 80, 99-115		359
867	Polymeric biomaterials. 2000 , 48, 263-277		596
866	Heparin-mediated selective release of hepatocyte growth factor in humans. 2000 , 50, 221-6		27
865	Prospects for gene therapy for inherited cardiomyopathies. 2000 , 12, 133-145		7
864	Gene therapy: the first decade. 2000 , 18, 119-28		289
863	Expression of vascular endothelial growth factor by reactive astrocytes and associated neoangiogenesis. 2000 , 883, 87-97		56
862	Effects of a single intracoronary injection of basic fibroblast growth factor in stable angina pectoris. 2000 , 85, 1414-9		130
861	[Regulation of the endothelial function and angiogenesis by vascular endothelial growth factor-A (VEGF-A]. 2000 , 89, 206-18		22
860	Intramyocardial injection of DNA encoding vascular endothelial growth factor in a myocardial infarction model. 2000 , 10, 285-9		16
859	Clinical trials in coronary angiogenesis: issues, problems, consensus: An expert panel summary. <i>Circulation</i> , 2000 , 102, E73-86	16.7	327
858	VEGF gene delivery to myocardium: deleterious effects of unregulated expression. <i>Circulation</i> , 2000 , 102, 898-901	16.7	613
857	Latest developments in gene transfer technology: achievements, perspectives, and controversies over therapeutic applications. 2000 , 18, 19-39		113
856	Gene therapy for myocardial angiogenesis: has it come of age?. 2000 , 2, 373-9		3
855	Highly efficient cell-mediated gene transfer using non-viral vectors and FuGene6: in vitro and in vivo studies. 2000 , 57, 1326-33		33
854	The VEGF splice variants: properties, receptors, and usage for the treatment of ischemic diseases. 2000 , 25, 126-9		43
853	[Induction of myocardial neoangiogenesis by human growth factors. A new therapeutic approach in coronary heart disease]. 2000 , 25, 589-99		23
852	[Angiogenesis and vasculogenesis. Therapeutic strategies for stimulation of postnatal neovascularization]. 2000 , 25, 611-22		26
851	[The status of gene therapy in cardiovascular medicine]. 2000 , 25, 635-42		O

850	Novel revascularization therapiesTMLR and growth factor-induced angiogenesis monitored with cardiac MRI. 2000 , 11, 61-4		4
849	Assessing the role of gene therapy in the treatment of vascular disease. 2000 , 14, 181-8		9
848	Hypoxic signal transduction in critical illness. 2000 , 28, N78-86		16
847	Gentherapie bei koronarer Herzkrankheit. 2000 , 20, 162-166		
846	Therapeutic angiogenesis induced by hepatocyte growth factor: potential gene therapy for ischemic diseases. 2000 , 7, 71-6		46
845	Initial lesions of vascular aging disease (arteriosclerosis). 2000 , 46, 295-9		17
844	Klinische Ergebnisse der Behandlung der koronaren Herzkrankheit mit Wachstumsfaktoren. 2000 , 20, 167-172		
843	Technical delivery of myogenic cells through an endocardial injection catheter for myocardial cell implantation. 2000 , 3, 227-230		10
842	Expression of antisense to integrin subunit beta 3 inhibits microvascular endothelial cell capillary tube formation in fibrin. 2000 , 275, 32281-8		30
841	Effect of intracoronary recombinant human vascular endothelial growth factor on myocardial perfusion: evidence for a dose-dependent effect. <i>Circulation</i> , 2000 , 101, 118-21	16.7	256
840	Adenovirus-mediated VEGF(121) gene transfer stimulates angiogenesis in normoperfused skeletal muscle and preserves tissue perfusion after induction of ischemia. <i>Circulation</i> , 2000 , 102, 565-71	16.7	115
839	Vascular endothelial growth factor up-regulates ICAM-1 expression via the phosphatidylinositol 3 OH-kinase/AKT/Nitric oxide pathway and modulates migration of brain microvascular endothelial cells. 2000 , 275, 20770-4		165
838	Angiogenesis monitored by perfusion with a space-filling microbead suspension. 2000 , 1, 82-7		38
837	Vascular endothelial growth factor production by fibroblasts in response to factor VIIa binding to tissue factor involves thrombin and factor Xa. 2000 , 20, 1374-81		71
836	Adenoviral vectors and gene transfer to the blood vessel wall. 2000 , 20, 1414-6		10
835	Rat sponge implant model: a new system for evaluating angiogenic gene transfer. 2000 , 6, 645-53		3
834	Transient or long-term transgene expression and gene repair/inactivation. 2000, 1, 1-8		
833	Biocompatibility of cardiovascular gene delivery catheters with adenovirus vectors: an important determinant of the efficiency of cardiovascular gene transfer. 2000 , 1, 423-9		41

832	Functions of the VEGF/VEGF receptor system in the vascular system. 2000 , 26, 553-9		39
831	Catheter-mediated vascular endothelial growth factor gene transfer to human coronary arteries after angioplasty. 2000 , 11, 263-70		176
830	Vascular endothelial growth factor(165) gene transfer augments circulating endothelial progenitor cells in human subjects. 2000 , 86, 1198-202		508
829	Ischemia-induced coronary collateral growth is dependent on vascular endothelial growth factor and nitric oxide. <i>Circulation</i> , 2000 , 102, 3098-103	16.7	195
828	Left ventricular electromechanical mapping to assess efficacy of phVEGF(165) gene transfer for therapeutic angiogenesis in chronic myocardial ischemia. <i>Circulation</i> , 2000 , 102, 965-74	16.7	281
827	Insights into the molecular pathogenesis of atherosclerosis and therapeutic strategies using gene transfer. 2000 , 5, 41-8		7
826	Therapeutic angiogenesis with recombinant fibroblast growth factor-2 improves stress and rest myocardial perfusion abnormalities in patients with severe symptomatic chronic coronary artery disease. <i>Circulation</i> , 2000 , 102, 1605-10	16.7	143
825	Basic principles of angiogenesis for the interventional cardiologist. 2000 , 3, 13-19		
824	Adeno-associated viral vector-mediated vascular endothelial growth factor gene transfer induces neovascular formation in ischemic heart. 2000 , 97, 13801-6		142
823	Delivery strategies to achieve therapeutic myocardial angiogenesis. <i>Circulation</i> , 2000 , 101, 454-8	16.7	105
822	Coadministration of angiopoietin-1 and vascular endothelial growth factor enhances collateral vascularization. 2000 , 20, 2573-8		204
821	Adenovirus-mediated human tissue kallikrein gene delivery induces angiogenesis in normoperfused skeletal muscle. 2000 , 20, 2379-85		69
820	Intravascular adenovirus-mediated VEGF-C gene transfer reduces neointima formation in balloon-denuded rabbit aorta. <i>Circulation</i> , 2000 , 102, 2262-8	16.7	117
819	Therapeutic myocardial angiogenesis via vascular endothelial growth factor gene therapy: moving on down the road. <i>Circulation</i> , 2000 , 102, 940-2	16.7	18
818	Adventure of gene therapy into the brain: A new era for cardiovascular gene therapy. 2000 , 87, 719-21		6
817	Peroxisome proliferator-activated receptor-gamma agonists increase vascular endothelial growth factor expression in human vascular smooth muscle cells. 2000 , 271, 571-4		130
816	Improved expression of vascular endothelial growth factor by naked DNA in mouse skeletal muscles: implication for gene therapy of ischemic diseases. 2000 , 272, 230-5		47
815	Induction of VEGF gene transcription by IL-1 beta is mediated through stress-activated MAP kinases and Sp1 sites in cardiac myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2000 , 32, 1955-67	5.8	99

814	Adaptive responses of the endothelium to stress. 2000 , 89, 85-119	72
813	Enhancement of angiogenesis by the implantation of self bone marrow cells in a rat ischemic heart model. 2000 , 89, 189-95	160
812	Cardiovascular gene therapy. 2000 , 355, 213-22	327
811	AngiogenБe: de la physiologie □la thEapeutique. 2000 , 9, 534-544	2
810	Recent developments in gene therapy for cardiac disease. 2000 , 54, 487-504	5
809	Differences in myocardial and peripheral VEGF and KDR levels after acute ischemia. 2000 , 69, 1750-3; discussion 1754	20
808	Gene therapy and heart transplantation. 2000, 9, 1021-7	5
807	Vascular endothelial growth factor-A-induced chemotaxis of monocytes is attenuated in patients with diabetes mellitus: A potential predictor for the individual capacity to develop collaterals. 16.7 <i>Circulation</i> , 2000 , 102, 185-90	215
806	Will angiogenic growth factors be the answer for inoperable CAD?. 2000, 15, 5-6	
805	Gene therapy for cardiovascular diseases. 2000 , 10, 1385-1393	2
804	Catheter-based transendocardial gene delivery for therapeutic myocardial angiogenesis. 2000, 3, 67-70	5
803	Adenosine therapy: a new approach to chronic heart failure. 2000 , 9, 2519-35	43
802	Genes and hypertension: from gene mapping in experimental models to vascular gene transfer strategies. 2000 , 35, 164-72	87
801	Fibrin-based matrices for angio genic stimulation. 2000 , 31, 1303-1305	3
800	Induction of angiogenesis by cationic lipid-mediated VEGF165 gene transfer in the rabbit ischemic hindlimb model. 2000 , 32, 343-52	32
799	VEGF-induction of angiogenesis. 2000 , 31, 1252-1255	1
798	Vasculogenesis and Angiogenesis. 2000 , 11, 427-430	
797	Gene therapy for atherosclerotic cardiovascular disease: a time for optimism and caution. 2000 , 75, 831-4	16

(2001-2000)

796	Changes in matrix proteoglycans induced by fatty acids in hepatic cells; effects on lipoprotein binding. 2000 , 151, 79-80	
795	Adipose tissue insulin resistance in familial combined hyperlipidemia (FCH), but not type 2 diabetes mellitus (DM2). 2000 , 151, 80	
794	Spectrum of nuclear lamin A/C mutations and metabolic phenotypes in familial partial lipodystrophy. 2000 , 151, 80	
793	VEGF gene transfer in the treatment of coronary heart disease and peripheral vascular disease. 2000 , 151, 80	
79 ²	Gene therapy for dyslipidemias. 2000 , 151, 80	
791	Gene therapy for proliferative vascular disease. 2000 , 151, 80-81	
79°	Evaluation of the effects of intramyocardial injection of DNA expressing vascular endothelial growth factor (VEGF) in a myocardial infarction model in the ratangiogenesis and angioma formation. 2000 , 35, 1323-30	233
789	Basic fibroblast growth factor in patients with intermittent claudication: results of a phase I trial. 2000 , 36, 1239-44	153
788	Therapeutic angiogenesis: time for the next phase. 2000 , 36, 1245-7	7
787	Electromagnetic guidance for catheter-based transendocardial injection: a platform for intramyocardial angiogenesis therapy. Results in normal and ischemic porcine models. 2000 , 35, 1031-9	116
786	Drug discovery in the next millennium. 2000 , 40, 177-91	99
785	Gene therapy for gastric ulcers with single local injection of naked DNA encoding VEGF and angiopoietin-1. 2001 , 121, 1040-7	79
784	Safety and Pharmacokinetics of Naked Plasmid DNA: Studies on Dissemination and Ectopic Expression. 2001 , 67-80	
783	Vascular endothelial growth factor-induced angiogenesis: crouching tiger or hidden dragon?. 2001 , 37, 2131-5	15
782	Therapeutic angiogenesis for ischemic cardiovascular disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2001 , 33, 379-93	158
781	Autologous bone marrow implantation induced angiogenesis and improved deteriorated exercise capacity in a rat ischemic hindlimb model. 2001 , 96, 277-83	100
780	Clinical outcome of a cohort of patients eligible for therapeutic angiogenesis or transmyocardial revascularization. 2001 , 142, 72-4	44
779	The induction of angiogenesis by the implantation of autologous bone marrow cells: a novel and simple therapeutic method. 2001 , 130, 44-54	66

778	[The mechanisms of angiogenesis. Medical and therapeutic applications]. 2001, 22, 1064-82	8
777	Targeting kinin receptors for the treatment of tissue ischaemia. 2001 , 22, 478-84	43
776	Pericardial fluid as a new material for clinical heart research. 2001 , 77, 113-8	31
775	The feasibility and safety of fluoroscopy-guided percutaneous intramyocardial gene injection in porcine heart. 2001 , 79, 77-88	17
774	Impact of low level laser irradiation on infarct size in the rat following myocardial infarction. 2001 , 80, 109-16	53
773	Gene therapy in heart disease. 2001 , 55, 148-54	5
772	Gene therapy for cardiovascular disease. 2001 , 1, 197-202	2
771	The future of human gene therapy. 2001 , 22, 113-42	108
770	La disfuncifi endotelial en la angiopatfi diablica. El factor de crecimiento del endotelio vascular. 2001 , 48, 198-201	2
769	[Growth factors for therapeutic angiogenesis in cardiovascular diseases]. 2001 , 54, 1210-24	11
768	[Current topics in vascular biology: an update for the 21st century]. 2001, 54, 635-42	0
767	Gene therapy in cardiovascular disease. Current status. 2001 , 1, 55-66	1
766	Gene transfer to induce angiogenesis in myocardial and limb ischaemia. 2001 , 1, 985-94	12
765	Long-term effect of low energy laser irradiation on infarction and reperfusion injury in the rat heart. 2001 , 90, 2411-9	53
764	Gene therapy with vascular endothelial growth factor for inoperable coronary artery disease: anesthetic management and results. 2001 , 92, 19-25	40
763	Biodegradable Polyglycolide Endovascular Coils Promote Wall Thickening and Drug Delivery in a Rat Aneurysm Model. 2001 , 49, 1187-1195	19
762	Biodegradable Polyglycolide Endovascular Coils Promote Wall Thickening and Drug Delivery in a Rat Aneurysm Model. 2001 , 49, 1187-1195	
761	Treatment of ischemic wounds using cultured dermal fibroblasts transduced retrovirally with PDGF-B and VEGF121 genes. 2001 , 46, 555-61; discussion 561-2	25

(2001-2001)

760	disease. 2001 , 41, 378-85	36
759	Diaphragmatic angiogenic growth factor mRNA responses to increased ventilation caused by hypoxia and hypercapnia. 2001 , 17, 681-7	10
758	Genetic targeting for cardiovascular therapeutics: are we near the summit or just beginning the climb?. 2001 , 7, 79-94	20
757	Changes in serum vascular endothelial growth factor following initiation of estrogen replacement after hysterectomy and oophorectomy. 2001 , 80, 554-558	7
756	Low-energy laser irradiation reduces formation of scar tissue after myocardial infarction in rats and dogs. <i>Circulation</i> , 2001 , 103, 296-301	144
755	Tumor regression induced by intratumoral injection of DNA coding for human interleukin 12 into melanoma metastases in gray horses. 2001 , 78, 692-702	65
754	Plaque angiogenesis and atherosclerosis. 2001 , 3, 225-33	124
753	Clinical applications of vascular gene therapy. 2001 , 3, 29-36	18
75 ²	Therapeutic angiogenesis for cardiovascular disease. 2001 , 2, 278-285	30
751	Safety and pharmacokinetics of naked plasmid DNA in the skin: studies on dissemination and ectopic expression. 2001 , 116, 979-82	21
75°	Angiogenesis in autosomal-dominant polycystic kidney disease. 2001 , 60, 37-45	108
749	New vessels, new approaches: angiogenesis as a therapeutic target in musculoskeletal disorders. 1999 , 80, 235-50	37
748	Gene therapy for coronary heart disease. 2001 , 250, 367-8	8
747	Changes in serum vascular endothelial growth factor following initiation of estrogen replacement after hysterectomy and oophorectomy. 2001 , 80, 554-558	1
746	Attenuation of infarct size in rats and dogs after myocardial infarction by low-energy laser irradiation. 2001 , 28, 204-11	105
745	Evaluation of the percutaneous intramyocardial injection for local myocardial treatment. 2001 , 53, 271-6	23
744	Could plasmid-mediated gene transfer into the myocardium be augmented by left ventricular guided laser myocardial injury?. 2001 , 54, 533-8	6
743	Percutaneous endocardial transfer and expression of genes to the myocardium utilizing fluoroscopic guidance. 2001 , 52, 260-6	26

742	Vascular growth factors in cerebral ischemia. 2001 , 23, 121-35		60
741	15th Golgi lecture: from hyperglycaemia to the dysregulation of vascular remodelling in diabetes. 2001 , 44, 674-92		60
740	Therapeutic angiogenesis in critical limb and myocardial ischemia. 2001 , 14, 511-28		57
739	Clinical applications of cardiovascular angiogenesis. 2001 , 16, 490-7		7
738	Therapeutic angiogenesis induced by human hepatocyte growth factor gene in rat and rabbit hindlimb ischemia models: preclinical study for treatment of peripheral arterial disease. 2001 , 8, 181-9		185
737	Adenovirus-mediated ex vivo gene transfer of basic fibroblast growth factor promotes collateral development in a rabbit model of hind limb ischemia. 2001 , 8, 837-45		45
736	In vivo myocardial gene transfer: optimization and evaluation of intracoronary gene delivery in vivo. 2001 , 8, 1833-9		61
735	Gene therapy: principles and applications to hematopoietic cells. 2001 , 15, 523-44		31
734	Gene therapy in vascular medicine: recent advances and future perspectives. 2001, 91, 105-14		20
733	Covalently conjugated VEGFfibrin matrices for endothelialization. 2001 , 72, 101-13		317
73²	Clinical efforts to modulate angiogenesis in the adult: gene therapy versus conventional approaches. 2001 , 6, 689-697		14
731	Association of thrombospondin-1 and cardiac allograft vasculopathy in human cardiac allografts. <i>Circulation</i> , 2001 , 103, 525-31	16.7	47
730	Increased vascular endothelial growth factor 165 binding to kinase insert domain-containing receptor after infection of human endothelial cells by recombinant adenovirus encoding the Vegf(165) gene. <i>Circulation</i> , 2001 , 103, 1887-92	16.7	11
729	Endothelial nitric oxide synthase is essential for the HMG-CoA reductase inhibitor cerivastatin to promote collateral growth in response to ischemia. 2001 , 15, 2530-2		98
728	Local delivery of enoxaparin to decrease restenosis after stenting: results of initial multicenter trial: Polish-American Local Lovenox NIR Assessment study (The POLONIA study). <i>Circulation</i> , 2001 , 103, 26-31	16.7	50
727	Augmentation of postnatal neovascularization with autologous bone marrow transplantation. <i>Circulation</i> , 2001 , 103, 897-903	16.7	418
726	Recombinant vascular endothelial growth factor secreted from tissue-engineered bioartificial muscles promotes localized angiogenesis. <i>Circulation</i> , 2001 , 104, 594-9	16.7	84
725	Gene and stem cell therapies. 2001 , 285, 545-50		51

(2001-2001)

724	Differential effects of vascular endothelial growth factor-C and placental growth factor-1 on the hydraulic conductivity of frog mesenteric capillaries. 2001 , 38, 176-86		43
723	Angiogenesis and the ischaemic heart. 2001 , 22, 903-18		35
722	From therapeutic angiogenesis to myocardium regeneration. 2001 , 1, 287-295		1
721	Adult and embryonic-like stem cells: toward a major gene therapy breakthrough relying on autologous multipotent stem cells. 2001 , 1, 207-212		1
720	Improvement in chronic ischemic neuropathy after intramuscular phVEGF165 gene transfer in patients with critical limb ischemia. 2001 , 58, 761-8		107
719	Hepatocyte growth factor (HGF) angiogenic gene therapy: promises for cardiovascular diseases. 2001 , 1, 343-359		3
718	Gene transfer for angiogenesis in coronary artery disease. 2001 , 52, 485-502		42
717	Somatic gene therapy in the cardiovascular system. 2001 , 63, 427-50		38
716	Therapeutic angiogenesis induced by human hepatocyte growth factor gene in rat diabetic hind limb ischemia model: molecular mechanisms of delayed angiogenesis in diabetes. <i>Circulation</i> , 2001 , 104, 2344-50	16.7	169
715	Simultaneous surgical revascularization and angiogenic gene therapy in diffuse coronary artery disease. 2001 , 20, 1128-34		19
714	Assessment of risks associated with cardiovascular gene therapy in human subjects. 2001 , 89, 389-400		119
713	Angiogenesis, protein and gene delivery. 2001 , 59, 211-25		14
712	Cellular Mechanisms of Cardioprotection. 2001 , 853-866		
711	Alleviation of myocardial ischemia after Kawasaki disease by heparin and exercise therapy. Circulation, 2001 , 103, 2591-7	16.7	20
710	Gene therapy for cardiovascular disease: a case for cautious optimism. 2001 , 38, 1210-6		43
709	Coronary microvascular functional reserve: quantification of long-term changes with electron-beam CT preliminary results in a porcine model. 2001 , 221, 229-36		26
708	[Therapeutic neoangiogenesis. Alternative or adjuvant option in the treatment of advanced coronary and peripheral ischemic vascular disease]. 2001 , 126, 1053-7		1
707	Percutaneous in situ coronary venous arterialization: report of the first human catheter-based coronary artery bypass. <i>Circulation</i> , 2001 , 103, 2539-43	16.7	69

706	Intracardiac echocardiographic guidance and monitoring during percutaneous endomyocardial gene injection in porcine heart. 2001 , 12, 893-903		22
705	Preexisting antiadenoviral immunity and regional myocardial gene transfer: modulation by nitric oxide. 2002 , 13, 2185-95		4
704	Plasma vascular endothelial growth factor (VEGF) levels after intramuscular and intramyocardial gene transfer of VEGF-1 plasmid DNA. 2002 , 13, 1595-603		33
703	Promotion of angiogenesis by low energy laser irradiation. 2002 , 4, 785-90		52
702	Serum levels of vascular endothelial growth factor are elevated in patients with obstructive sleep apnea and severe nighttime hypoxia. 2002 , 165, 67-70		177
701	Adeno-associated viral vector-mediated hypoxia response element-regulated gene expression in mouse ischemic heart model. 2002 , 99, 9480-5		119
700	Pharmacological treatment of coronary artery disease with recombinant fibroblast growth factor-2: double-blind, randomized, controlled clinical trial. <i>Circulation</i> , 2002 , 105, 788-93	16.7	567
699	Improved expression by cytomegalovirus promoter/enhancer and behavior of vascular endothelial growth factor gene after myocardial injection of naked DNA. 2002 , 34, 278-84		2
698	Coronary collateral size, flow capacity, and growth: estimates from the angiogram in patients with obstructive coronary disease. <i>Circulation</i> , 2002 , 105, 168-73	16.7	56
697	Development of safe and efficient novel nonviral gene transfer using ultrasound: enhancement of transfection efficiency of naked plasmid DNA in skeletal muscle. 2002 , 9, 372-80		377
696	Phase 1/2 placebo-controlled, double-blind, dose-escalating trial of myocardial vascular endothelial growth factor 2 gene transfer by catheter delivery in patients with chronic myocardial ischemia. <i>Circulation</i> , 2002 , 105, 2012-8	16.7	391
695	Impairment of collateral formation in lipoprotein(a) transgenic mice: therapeutic angiogenesis induced by human hepatocyte growth factor gene. <i>Circulation</i> , 2002 , 105, 1491-6	16.7	73
694	What can cardiovascular gene transfer learn from genomics: and vice versa?. 2002, 11, 179-82		1
693	Tissue and serum angiogenic activity is associated with low prevalence of ischemic complications in patients with giant-cell arteritis. <i>Circulation</i> , 2002 , 106, 1664-71	16.7	80
692	Biological revascularization and the interventional molecular cardiologist: bypass for the next generation. <i>Circulation</i> , 2002 , 106, 3002-5	16.7	12
691	Endothelial progenitor cell vascular endothelial growth factor gene transfer for vascular regeneration. <i>Circulation</i> , 2002 , 105, 732-8	16.7	524
690	Angiogenesis and antifibrotic action by hepatocyte growth factor in cardiomyopathy. 2002 , 40, 47-53		110
689	Myocardial contrast echocardiography can be used to assess the microvascular response to vascular endothelial growth factor-121. <i>Circulation</i> , 2002 , 105, 759-65	16.7	29

(2002-2002)

688	revascularisation. 2002 , 87, 281-3	4
687	Platelet-endothelial cell adhesion molecule-1-directed immunotargeting to cardiopulmonary vasculature. 2002 , 300, 777-86	57
686	Gene transfer of hepatocyte growth factor to subarachnoid space in cerebral hypoperfusion model. 2002 , 39, 1028-34	43
685	Endogenous, local, vascular endothelial growth factor production in patients with chronic total coronary artery occlusions: further evidence for its role in angiogenesis. 2002 , 87, 158-9	8
684	Very-low-dose combination of the angiotensin-converting enzyme inhibitor perindopril and the diuretic indapamide induces an early and sustained increase in neovascularization in rat ischemic legs. 2002 , 303, 1038-43	33
683	Gene therapy in plastic surgery. 2002 , 109, 716-34	39
682	Recent progress in gene therapy for cardiovascular disease. 2002 , 66, 1077-86	28
681	Therapeutic angiogenesis for coronary artery disease. 2002 , 136, 54-71	181
680	Direct myocardial revascularization and therapeutic angiogenesis. 2002 , 23, 1492-502	1
679	Gene therapy of human disease. 2002 , 81, 69-86	33
678	Intraventricular infusion of vascular endothelial growth factor promotes cerebral angiogenesis with minimal brain edema. 2002 , 50, 589-98	82
677	Clinical trials of gene therapy for atherosclerotic cardiovascular disease. 2002 , 13, 653-61	23
676	Intraventricular Infusion of Vascular Endothelial Growth Factor Promotes Cerebral Angiogenesis with Minimal Brain Edema. 2002 , 50, 589-598	64
675	[Gene therapy in cardiovascular medicine as new pharmacological therapy]. 2002, 120, 222-8	
674	Hepatocyte growth factor as cardiovascular hormone: role of HGF in the pathogenesis of cardiovascular disease. 2002 , 49, 273-84	52
673	Improved angiogenic potency by implantation of ex vivo hypoxia prestimulated bone marrow cells in rats. 2002 , 283, H468-73	74
672	Gene therapy in cardiovascular diseases. 2002 , 2, 427-35	5
671	Angiogenesis induced by the injection of peripheral leukocytes and platelets. 2002 , 103, 279-86	13

670	PDGF(BB) increases myocardial production of VEGF: shift in VEGF mRNA splice variants after direct injection of bFGF, PDGF(BB), and PDGF(AB). 2002 , 107, 203-9	19
669	A technique for quantitative three-dimensional analysis of microvascular structure. 2002 , 63, 279-94	86
668	Gene transfer in higher animals: theoretical considerations and key concepts. 2002 , 99, 1-22	19
667	Refractory angina pectoris: mechanism and therapeutic options. 2002 , 39, 923-34	109
666	Atorvastatin decreases vascular endothelial growth factor in patients with coronary artery disease. 2002 , 39, 1951-5	50
665	Tumor regression by targeted gene delivery to the neovasculature. 2002 , 296, 2404-7	765
664	Phenotypic overlap between hematopoietic cells with suggested angioblastic potential and vascular endothelial cells. 2002 , 11, 69-79	65
663	Increased vascularity detected by digital subtraction angiography after VEGF gene transfer to human lower limb artery: a randomized, placebo-controlled, double-blinded phase II study. 2002 , 6, 127-33	292
662	Molecular medicine for the cardiac surgeon. 2002 , 36, 201-8	
661	Tissue engineering strategies for in vivo neovascularisation. 2002 , 2, 805-18	63
660	Tissue engineering strategies for in vivo neovascularisation. 2002 , 2, 805-18 Gene technology and tissue engineering. 2002 , 11, 93-9	63
	Gene technology and tissue engineering. 2002, 11, 93-9 Angiogenic Gene Therapy (AGENT) trial in patients with stable angina pectoris. Circulation, 2002	63 44 ¹
660	Gene technology and tissue engineering. 2002 , 11, 93-9 Angiogenic Gene Therapy (AGENT) trial in patients with stable angina pectoris. <i>Circulation</i> , 2002 ,	
660 659	Gene technology and tissue engineering. 2002, 11, 93-9 Angiogenic Gene Therapy (AGENT) trial in patients with stable angina pectoris. <i>Circulation</i> , 2002, 105, 1291-7 Therapeutic angiogenesis with recombinant fibroblast growth factor-2 for intermittent	441
660 659 658	Gene technology and tissue engineering. 2002, 11, 93-9 Angiogenic Gene Therapy (AGENT) trial in patients with stable angina pectoris. <i>Circulation</i> , 2002, 105, 1291-7 Therapeutic angiogenesis with recombinant fibroblast growth factor-2 for intermittent claudication (the TRAFFIC study): a randomised trial. 2002, 359, 2053-8 Vascular endothelial growth factor-mediated, endothelium-dependent relaxation in human internal	441
660 659 658	Gene technology and tissue engineering. 2002, 11, 93-9 Angiogenic Gene Therapy (AGENT) trial in patients with stable angina pectoris. <i>Circulation</i> , 2002, 105, 1291-7 Therapeutic angiogenesis with recombinant fibroblast growth factor-2 for intermittent claudication (the TRAFFIC study): a randomised trial. 2002, 359, 2053-8 Vascular endothelial growth factor-mediated, endothelium-dependent relaxation in human internal mammary artery. 2002, 73, 819-24	441 427 40
660 659 658 657	Gene technology and tissue engineering. 2002, 11, 93-9 Angiogenic Gene Therapy (AGENT) trial in patients with stable angina pectoris. <i>Circulation</i> , 2002, 105, 1291-7 Therapeutic angiogenesis with recombinant fibroblast growth factor-2 for intermittent claudication (the TRAFFIC study): a randomised trial. 2002, 359, 2053-8 Vascular endothelial growth factor-mediated, endothelium-dependent relaxation in human internal mammary artery. 2002, 73, 819-24 Therapeutic angiogenesis induced by local autologous bone marrow cell implantation. 2002, 73, 1210-5 An attempt to promote neo-vascularization by employing a newly synthesized inhibitor of protein	44 ¹ 4 ² 7 40 86

(2002-2002)

652	Angiogenic and astroglial responses to vascular endothelial growth factor administration in adult rat brain. 2002 , 110, 589-604	156
651	Quantitative nuclear medicine. 2002 , 1228, 3-10	
650	Ultrasound-mediated transfection of canine myocardium by intravenous administration of cationic microbubble-linked plasmid DNA. 2002 , 15, 214-8	98
649	Neovascularization Induced by Autologous Bone Marrow Cell Implantation in Peripheral Arterial Disease. 2002 , 11, 747-752	87
648	Peptide and Gene Therapy with Angiogenic Growth Factors bFGF, PDGF or VEGF in Gastrointestinal Ulcers in Rats. 2002 , 25, 209-226	
647	VEGF enhances functional improvement of postinfarcted hearts by transplantation of ESC-differentiated cells. 2002 , 93, 1140-51	106
646	Gene therapy with adenovirus-mediated myocardial transfer of vascular endothelial growth factor 121 improves cardiac performance in a pacing model of congestive heart failure. 2002 , 123, 1101-13	36
645	Therapeutic angiogenesis in the ischemic canine heart induced by myocardial injection of naked complementary DNA plasmid encoding hepatocyte growth factor. 2002 , 124, 1099-105	42
644	VEGF gene delivery for treatment of ischemic cardiovascular disease. 2002 , 12, 108-14	54
643	Incomplete retention after direct myocardial injection. 2002 , 55, 392-7	110
643	Incomplete retention after direct myocardial injection. 2002 , 55, 392-7 Therapeutic Angiogenesis for Coronary Artery Disease. 2002 , 4, 65-74	110
642	Therapeutic Angiogenesis for Coronary Artery Disease. 2002 , 4, 65-74 [Cardiac and vascular gene therapy in cardiology. Current status and future prospects]. 2002 , 43	10
642	Therapeutic Angiogenesis for Coronary Artery Disease. 2002 , 4, 65-74 [Cardiac and vascular gene therapy in cardiology. Current status and future prospects]. 2002 , 43 Suppl 1, S66-75	10
642 641 640	Therapeutic Angiogenesis for Coronary Artery Disease. 2002, 4, 65-74 [Cardiac and vascular gene therapy in cardiology. Current status and future prospects]. 2002, 43 Suppl 1, S66-75 Angiogenic gene therapy: pre-clinical studies and phase I clinical data. 2002, 61, S110-4	10 1 8
642 641 640	Therapeutic Angiogenesis for Coronary Artery Disease. 2002, 4, 65-74 [Cardiac and vascular gene therapy in cardiology. Current status and future prospects]. 2002, 43 Suppl 1, S66-75 Angiogenic gene therapy: pre-clinical studies and phase I clinical data. 2002, 61, S110-4 Development and use of gene transfer for treatment of cardiovascular disease. 2002, 17, 543-8	10 1 8
642 641 640 639	Therapeutic Angiogenesis for Coronary Artery Disease. 2002, 4, 65-74 [Cardiac and vascular gene therapy in cardiology. Current status and future prospects]. 2002, 43 Suppl 1, S66-75 Angiogenic gene therapy: pre-clinical studies and phase I clinical data. 2002, 61, S110-4 Development and use of gene transfer for treatment of cardiovascular disease. 2002, 17, 543-8 Angiogenic Gene Therapy With Vascular Endothelial Growth Factor [Hope or Hype?. 2002, 34, 101-104 Gene Transfer of Naked VEGF Plasmid Induces the Formation of Microvessels but not Mature	10 1 8 14

634	Vascular growth factors for coronary angiogenesis. 2002 , 15, 511-8	13
633	Gene and cell therapy for heart disease. 2002 , 54, 59-66	12
632	Gene transfer to the vasculature: historical perspective and implication for future research objectives. 2002 , 22, 153-64	1
631	Therapeutic angiogenesis: a complex problem requiring a sophisticated approach. 2003, 3, 283-98	14
630	Lake Tahoe invitation meeting 2002. 2003 , 10, 223-57	11
629	Defining the success of cardiac gene therapy: how can nuclear imaging contribute?. 2003 , 30, 757-71	14
628	Gene therapy for myocardial angiogenesis: with direct intramuscular gene transfer of naked deoxyribonucleic acid encoding vascular endothelial growth factor and cell transplantation of vascular endothelial growth factor transfected H9c2 myoblast. 2003 , 51, 192-7	7
627	Innovative therapies in wound healing. 2003 , 7, 217-24	16
626	Effects of intraventricular infusion of vascular endothelial growth factor on cerebral blood flow, edema, and infarct volume. 2003 , 145, 49-53	78
625	One-year follow-up of direct myocardial gene transfer of vascular endothelial growth factor-2 using naked plasmid deoxyribonucleic acid by way of thoracotomy in no-option patients. 2003 , 92, 436-9	97
624	Gene therapy: theoretical and bioethical concepts. 2003 , 34, 247-68	32
623	Targeted cancer gene therapy: the flexibility of adenoviral gene therapy vectors. 2003, 87, 159-65	39
622	Use of vascular endothelial cell growth factor gene transfer to enhance implantable sensor function in vivo. 2003 , 67, 1072-86	18
621	Angiogenesis of the heart. 2003, 60, 138-58	38
620	Myocardial injection of CA promoter-based plasmid mediates efficient transgene expression in rat heart. 2003 , 5, 900-908	7
619	Pre-administration of angiopoietin-1 followed by VEGF induces functional and mature vascular formation in a rabbit ischemic model. 2003 , 5, 994-1004	58
618	Alternative therapeutic strategies for patients with severe end-stage coronary artery disease not amenable to conventional revascularization. 2003 , 60, 57-66	7
617	Industrial scale production of plasmid DNA for vaccine and gene therapy: plasmid design, production, and purification. 2003 , 33, 865-883	153

(2003-2003)

616	heart disease. 2003 , 18 Suppl 2, S69-75	34
615	Ex vivo gene transfer of basic fibroblast growth factor improves cardiac function and blood flow in a swine chronic myocardial ischemia model. 2003 , 10, 1152-60	35
614	Efficient and long-term intracardiac gene transfer in delta-sarcoglycan-deficiency hamster by adeno-associated virus-2 vectors. 2003 , 10, 1807-13	52
613	Gene transfer as a tool to induce therapeutic vascular growth. 2003 , 9, 694-701	346
612	Cardiac allograft vasculopathy: current concepts and treatment. 2003, 16, 367-375	27
611	Genetic editing of dysfunctional myocardium. 2003 , 87, 553-67	2
610	Retrograde coronary perfusion: a superior route to deliver therapeutics to the heart?*. 2003, 42, 1129-31	15
609	Angiogenic property of hepatocyte growth factor is dependent on upregulation of essential transcription factor for angiogenesis, ets-1. <i>Circulation</i> , 2003 , 107, 1411-7	100
608	Emerging therapeutic targets in chronic heart failure: part II. 2003 , 7, 49-59	2
607	Role of single photon emission computed tomography imaging in the evaluation of therapy for angina pectoris. 2003 , 145, 952-61	1
606	Clinical gene therapy for nonmalignant disease. 2003 , 115, 560-9	31
605	Vectors for cardiovascular gene therapy. <i>Journal of Molecular and Cellular Cardiology</i> , 2003 , 35, 731-3 5.8	7
604	Improvement of cardiac function by bone marrow cell implantation in a rat hypoperfusion heart model. 2003 , 75, 768-73; discussion 773-4	42
603	Gene transfer of hepatocyte growth factor improves angiogenesis and function of chronic ischemic myocardium in canine heart. 2003 , 75, 1283-7	32
602	Vascular growth factors and angiogenesis in cardiac surgery. 2003 , 75, S685-90	36
601	HVJ-envelope vector for gene transfer into central nervous system. 2003 , 300, 464-71	42
600	Increased vascular endothelial growth factor mRNA expression in the heart of streptozotocin-induced diabetic rats. 2003 , 52, 675-8	16
599	Adeno-associated virus (AAV) vectors achieve prolonged transgene expression in mouse myocardium and arteries in vivo: a comparative study with adenovirus vectors. 2003 , 90, 229-38	90

598	Therapeutic angiogenesis: review of current concepts and future directions. 2003, 22, 370-82		16
597	Gene-based therapeutic angiogenesis. 2003 , 15, 236-49		4
596	Myocardial Ischemia and Preconditioning. 2003,		
595	The Emerging Role of Gene Therapy in the Treatment of Cardiovascular Diseases. 2003 , 40, 499-545		9
594	Angiogenesis induced by endothelial nitric oxide synthase gene through vascular endothelial growth factor expression in a rat hindlimb ischemia model. <i>Circulation</i> , 2003 , 108, 2250-7	16.7	124
593	Enhanced therapeutic angiogenesis by cotransfection of prostacyclin synthase gene or optimization of intramuscular injection of naked plasmid DNA. <i>Circulation</i> , 2003 , 108, 2689-96	16.7	28
592	Multiply attenuated, self-inactivating lentiviral vectors efficiently deliver and express genes for extended periods of time in adult rat cardiomyocytes in vivo. <i>Circulation</i> , 2003 , 107, 2375-82	16.7	80
591	Safety and feasibility of catheter-based local intracoronary vascular endothelial growth factor gene transfer in the prevention of postangioplasty and in-stent restenosis and in the treatment of chronic myocardial ischemia: phase II results of the Kuopio Angiogenesis Trial (KAT). <i>Circulation</i> ,	16.7	436
590	Cardiac Drug Development Guide. 2003 ,		1
589	Adenovirus-catheter compatibility increases gene expression after delivery to porcine myocardium. 2003 , 14, 161-6		12
588	System for simultaneous tissue-specific and disease-specific regulation of therapeutic gene expression. 2003 , 14, 1255-64		6
587	Treatment of myocardial ischemia with bone marrow-derived mesenchymal stem cells overexpressing hepatocyte growth factor. 2003 , 8, 467-74		151
586	Adenoviral-delivered angiopoietin-1 reduces the infarction and attenuates the progression of cardiac dysfunction in the rat model of acute myocardial infarction. 2003 , 8, 584-92		66
585	Therapeutic angiogenesis with vascular endothelial growth factor in peripheral and coronary artery disease: a review. 2003 , 5, 27-34		17
584	Adenovirus-mediated VEGF-A gene transfer induces bone formation in vivo. 2003, 17, 1147-9		66
583	Cardiomyocyte regeneration from circulating bone marrow cells in mice. 2003 , 54, 319-25		31
582	Effect of adventitial VEGF(165) gene transfer on vascular thickening after coronary artery balloon injury. 2003 , 60, 664-72		16
581	Genetic Engineering. 2003 ,		1

(2003-2003)

580	Enhanced angiogenesis and improvement of neuropathy by cotransfection of human hepatocyte growth factor and prostacyclin synthase gene. 2003 , 17, 779-81	49
579	All in the family: VEGF-B joins the ranks of proangiogenic cytokines. 2003 , 93, 87-90	12
578	Vascular complications and gene therapy. 2003 , 3, 71-83	3
577	Gene therapy for cardiovascular angiogenesis. 2003 , 3, 599-616	18
576	Gene therapy of monogenic and cardiovascular disorders. 2003 , 3, 941-9	6
575	Hepatocyte growth factor and vascular endothelial growth factor in ischaemic heart disease. 2003 , 14, 301-7	4
574	Angiogenesisa new goal in peripheral artery occlusive disease therapy. 2003, 103, 470-4	6
573	. 2003 , 14, 301-307	8
572	Angiogenesis therapies for cardiovascular disease. 2003 , 16, 3-9	4
571	Midazolam stimulates vascular endothelial growth factor release in aortic smooth muscle cells: role of the mitogen-activated protein kinase superfamily. 2003 , 98, 1147-54	10
570	Nonviral gene gun mediated transfer into the beating heart. 2003 , 49, 641-4	23
569	Angiogenic factors in the central nervous system. 2003 , 53, 639-60; discussion 660-1	78
568	Endothelial progenitor cells: the promise of vascular stem cells for plastic surgery. 2003, 111, 846-54	43
567	Innovative Therapies in Wound Healing. 2003 , 7, 217-224	20
566	CD117+ stem cells play a key role in therapeutic angiogenesis induced by bone marrow cell implantation. 2003 , 285, H931-7	85
565	Gene Therapy for Cardiovascular Disease. 2003 , 2003, 138-148	16
564	Myocardial Adenoviral Vector Delivery for Cardiovascular Gene Therapy. 2003, 351-364	
563	Angiogenic Gene Therapy in Patients with Ischemic Cardiovascular Diseases. 2003 , 33, 7	4

562	A Simple, Quantitative Method for Assessing Angiogenic Genes Using Skeletal Muscle by Electroporation-Mediated Naked DNA Delivery. 2003 , 33, 321	1
561	Therapeutic Angiogenesis for Cardiovascular Diseases: The Present and Future. 2003 , 33, 739	5
560	Low angiogenic potency induced by the implantation of ex vivo expanded CD117(+) stem cells. 2004 , 286, H1236-41	23
559	Concentrations of hepatocyte growth factor, basic fibroblast growth factor, and vascular endothelial growth factor in pericardial fluid and plasma. 2004 , 45, 989-98	6
558	Hepatocyte growth factor stimulates nitric oxide production through endothelial nitric oxide synthase activation by the phosphoinositide 3-kinase/Akt pathway and possibly by mitogen-activated protein kinase kinase in vascular endothelial cells. 2004 , 27, 887-95	41
557	Gene transfer for therapeutic vascular growth in myocardial and peripheral ischemia. 2004 , 52, 117-64	24
556	Transendocardial delivery of extracellular myocardial markers by using combination X-ray/MR fluoroscopic guidance: feasibility study in dogs. 2004 , 231, 689-96	38
555	Fibroblast growth factor 2: from laboratory evidence to clinical application. 2004 , 2, 33-43	51
554	Gene and cell-based therapies for heart disease. 2004 , 18, 648-63	66
553	Electromagnetic fields increase in vitro and in vivo angiogenesis through endothelial release of FGF-2. 2004 , 18, 1231-3	155
552	Vascular endothelial growth factor overexpression in ischemic skeletal muscle enhances myoglobin expression in vivo. 2004 , 95, 58-66	62
551	Monocyte chemoattractant protein 1-induced monocyte infiltration produces angiogenesis but not arteriogenesis in chronically infarcted myocardium. 2004 , 9, 279-89	21
550	Extracorporeal cardiac shock wave therapy markedly ameliorates ischemia-induced myocardial dysfunction in pigs in vivo. <i>Circulation</i> , 2004 , 110, 3055-61	289
549	Synergistic effect of bone marrow mobilization and vascular endothelial growth factor-2 gene therapy in myocardial ischemia. <i>Circulation</i> , 2004 , 110, 1398-405	99
548	Engineered zinc finger-activating vascular endothelial growth factor transcription factor plasmid DNA induces therapeutic angiogenesis in rabbits with hindlimb ischemia. <i>Circulation</i> , 2004 , 110, 2467-75 ^{16.7}	61
547	The cerebral vasculature as a therapeutic target for neurological disorders and the role of shear stress in vascular homeostatis and pathophysiology. 2004 , 26, 846-53	72
546	Zinc finger nuclease-boosted gene targeting and synergistic transient regenerative gene therapy for long-term stem cell gene therapy. 2004 , 18, 503-538	3
545	Therapeutic angiogenesis: a biologic bypass. 2004 , 101, 131-43	45

(2004-2004)

544	Delayed angiogenesis in aging rats and therapeutic effect of adenoviral gene transfer of VEGF. 2004 , 13, 581	О
543	Gene therapy in the treatment of lower extremity wounds. 2004 , 3, 69-79	2
542	Adeno-associated viral vector delivers cardiac-specific and hypoxia-inducible VEGF expression in ischemic mouse hearts. 2004 , 101, 16280-5	94
541	Therapeutic angiogenesis using vascular endothelial growth factor. 2004 , 12, 173-81	8
540	Gene therapy with adenoviral plasmids or naked DNA of vascular endothelial growth factor and platelet-derived growth factor accelerates healing of duodenal ulcer in rats. 2004 , 311, 982-8	27
539	Adenovirus-mediated transfer of a minigene expressing multiple isoforms of VEGF is more effective at inducing angiogenesis than comparable vectors expressing individual VEGF cDNAs. 2004 , 9, 67-75	49
538	Therapeutic angiogenesis and vasculogenesis for ischemic disease. Part I: angiogenic cytokines. <i>Circulation</i> , 2004 , 109, 2487-91	285
537	Therapeutic Application of Ultrasound Contrast Agents. 2004 , 263-286	1
536	Enhanced IGF-1 expression improves smooth muscle cell engraftment after cell transplantation. 2004 , 287, H2840-9	42
535	Increased revascularization efficacy after administration of an adenovirus encoding VEGF(121). 2004 , 11, 512-21	13
534	Effects of intramyocardial pVEGF165 delivery on regional myocardial blood flow: evidence for a spatial 'delivery-efficacy' mismatch. 2004 , 11, 1249-55	14
533	Critical appraisal of the mouse model of myocardial infarction. 2004 , 89, 497-505	23
532	Therapeutic angiogenesis in peripheral arterial disease: can biotechnology produce an effective collateral circulation?. 2004 , 28, 9-23	103
531	Distribution of intramyocardially injected extracellular MR contrast medium: effects of concentration and volume. 2004 , 14, 334-40	7
530	Prospects of Non-drug Approaches to Alzheimer's Disease. 2004 , 31, 382-395	1
529	Growth factor activation in myocardial vascularization: therapeutic implications. 2004 , 264, 3-11	25
528	Nitric oxide signaling during myocardial angiogenesis. 2004 , 264, 25-34	19
527	Therapeutic myocardial angiogenesis with vascular endothelial growth factors. 2004 , 264, 63-74	44

526	Therapeutic myocardial angiogenesis: past, present and future. 2004 , 264, 75-83	9
525	Protein-, gene-, and cell-based therapeutic angiogenesis for the treatment of myocardial ischemia. 2004 , 264, 119-31	16
524	Neovascularization derived from cell transplantation in ischemic myocardium. 2004 , 264, 133-42	11
523	Angiogenic strategy for human ischemic heart disease: brief overview. 2004 , 264, 143-9	25
522	Current clinical perspectives on myocardial angiogenesis. 2004 , 264, 157-67	8
521	Imaging of angiogenesis. 2004 , 11, 617-33	35
520	Therapeutic angiogenesis for myocardial ischemia. 2004 , 2, 271-83	26
519	Shell Cross-Linked Nanoparticles Designed To Target Angiogenic Blood Vessels via ⊞ Receptor⊡igand Interactions. 2004 , 37, 7109-7115	52
518	Safety evaluation of clinical gene therapy using hepatocyte growth factor to treat peripheral arterial disease. 2004 , 44, 203-9	176
	6	
517	Current and future treatment strategies for refractory angina. 2004 , 79, 1284-92	43
517	Implantation of BM cells transfected with phVEGF165 enhances functional improvement of the infarcted heart. 2004 , 6, 204-11	11
	Implantation of BM cells transfected with phVEGF165 enhances functional improvement of the	
516	Implantation of BM cells transfected with phVEGF165 enhances functional improvement of the infarcted heart. 2004 , 6, 204-11 Treatment of acute myocardial infarction by hepatocyte growth factor gene transfer: the first demonstration of myocardial transfer of a "functional" gene using ultrasonic microbubble	11
516 515	Implantation of BM cells transfected with phVEGF165 enhances functional improvement of the infarcted heart. 2004 , 6, 204-11 Treatment of acute myocardial infarction by hepatocyte growth factor gene transfer: the first demonstration of myocardial transfer of a "functional" gene using ultrasonic microbubble destruction. 2004 , 44, 644-53	11 107
516515514	Implantation of BM cells transfected with phVEGF165 enhances functional improvement of the infarcted heart. 2004, 6, 204-11 Treatment of acute myocardial infarction by hepatocyte growth factor gene transfer: the first demonstration of myocardial transfer of a "functional" gene using ultrasonic microbubble destruction. 2004, 44, 644-53 Vascular endothelial growth factor: basic science and clinical progress. 2004, 25, 581-611	11 107 2749
516515514513	Implantation of BM cells transfected with phVEGF165 enhances functional improvement of the infarcted heart. 2004, 6, 204-11 Treatment of acute myocardial infarction by hepatocyte growth factor gene transfer: the first demonstration of myocardial transfer of a "functional" gene using ultrasonic microbubble destruction. 2004, 44, 644-53 Vascular endothelial growth factor: basic science and clinical progress. 2004, 25, 581-611 Vascular endothelial growth factor - basic science and its clinical implications. 2004, 11, 69-75	11 107 2749
516515514513512	Implantation of BM cells transfected with phVEGF165 enhances functional improvement of the infarcted heart. 2004, 6, 204-11 Treatment of acute myocardial infarction by hepatocyte growth factor gene transfer: the first demonstration of myocardial transfer of a "functional" gene using ultrasonic microbubble destruction. 2004, 44, 644-53 Vascular endothelial growth factor: basic science and clinical progress. 2004, 25, 581-611 Vascular endothelial growth factor - basic science and its clinical implications. 2004, 11, 69-75 Cardiovascular Pharmacogenetics. 2004,	11 107 2749 14

(2005-2004)

508	ANP and BNP but not VEGF are regionally overexpressed in ischemic human myocardium. 2004 , 322, 287-91		21
507	Potential role for antiangiogenic proteins in the myocardial infarction repair process. 2004, 116, 156-64		9
506	In vivo electroporation enhances plasmid-based gene transfer of basic fibroblast growth factor for the treatment of ischemic limb. 2004 , 120, 37-46		26
505	Promoting angiogenesis protects severely hypertrophied hearts from ischemic injury. 2004 , 77, 2004-10; discussion 2011		45
504	Molecular and cell-based therapies for protection, rescue, and repair of ischemic myocardium: reasons for cautious optimism. <i>Circulation</i> , 2004 , 109, 2386-93	16.7	64
503	Molecular imaging in nuclear cardiology. 2004 , 34, 47-55		32
502	Therapeutic angiogenesis: the next frontier for interventional radiology. 2004 , 7, 40-8		9
501	Angiogenesis and anti-angiogenesis activity of Chinese medicinal herbal extracts. 2004 , 74, 2467-78		130
500	Gene- and cell-based therapies for cardiovascular diseases: current status and future directions. 2004 , 6, E24-E35		3
499	Perspective in progress of cardiovascular gene therapy. 2004 , 95, 1-8		32
499 498	Gene Therapy vs Pharmacotherapy. 2005 , 137-156		32
		16.7	32 61
498	Gene Therapy vs Pharmacotherapy. 2005, 137-156 NOGA-guided analysis of regional myocardial perfusion abnormalities treated with intramyocardial injections of plasmid encoding vascular endothelial growth factor A-165 in patients with chronic	16.7	
498	Gene Therapy vs Pharmacotherapy. 2005, 137-156 NOGA-guided analysis of regional myocardial perfusion abnormalities treated with intramyocardial injections of plasmid encoding vascular endothelial growth factor A-165 in patients with chronic myocardial ischemia: subanalysis of the EUROINJECT-ONE multicenter double-blind randomized study. Circulation, 2005, 112, 1157-65	16.7	61
498 497 496	Gene Therapy vs Pharmacotherapy. 2005, 137-156 NOGA-guided analysis of regional myocardial perfusion abnormalities treated with intramyocardial injections of plasmid encoding vascular endothelial growth factor A-165 in patients with chronic myocardial ischemia: subanalysis of the EUROINJECT-ONE multicenter double-blind randomized study. Circulation, 2005, 112, 1157-65 Imaging Intramyocardial Microcirculatory Function Using Fast Computed Tomography. 2005, 195-206	16.7	61
498 497 496 495	Gene Therapy vs Pharmacotherapy. 2005, 137-156 NOGA-guided analysis of regional myocardial perfusion abnormalities treated with intramyocardial injections of plasmid encoding vascular endothelial growth factor A-165 in patients with chronic myocardial ischemia: subanalysis of the EUROINJECT-ONE multicenter double-blind randomized study. Circulation, 2005, 112, 1157-65 Imaging Intramyocardial Microcirculatory Function Using Fast Computed Tomography. 2005, 195-206 One good turn deserves another. 2005, 12, 3-4	16.7	61
498 497 496 495	Gene Therapy vs Pharmacotherapy. 2005, 137-156 NOGA-guided analysis of regional myocardial perfusion abnormalities treated with intramyocardial injections of plasmid encoding vascular endothelial growth factor A-165 in patients with chronic myocardial ischemia: subanalysis of the EUROINJECT-ONE multicenter double-blind randomized Imaging Intramyocardial Microcirculatory Function Using Fast Computed Tomography. 2005, 195-206 One good turn deserves another. 2005, 12, 3-4 Detecting changes in serial myocardial perfusion SPECT: a simulation study. 2005, 12, 302-10 Vascular endothelial growth factor (VEGF) gene transfer enhances surgical revascularization of	16.7	61 3

490	Does gene therapy become pharmacotherapy?. 2005 , 90, 307-13		10
489	Gene transfer of heat-shock protein 20 protects against ischemia/reperfusion injury in rat hearts. 2005 , 26, 1193-200		19
488	The effect of gene transfer with hepatocyte growth factor for pulmonary vascular hypoplasia in neonatal porcine model. 2005 , 129, 740-5		3
487	The evolving role of gene-based treatment in surgery. 2005 , 92, 1466-80		14
486	Catheter-mediated subselective intracoronary gene delivery to the rabbit heart: introduction of a novel method. 2005 , 7, 595-603		15
485	Enhancing myocardial plasmid expression by retrograde coronary venous delivery. 2005 , 65, 528-34		5
484	Angiogenesis in the human heart: gene and cell therapy. 2005 , 8, 241-51		47
483	Noninvasive imaging of cardiac gene expression and its future implications for molecular therapy. 2005 , 7, 22-9		4
482	The role of neovascularisation in the resolution of venous thrombus. 2005 , 93, 801-9		87
481	Radiolabeled cell distribution after intramyocardial, intracoronary, and interstitial retrograde coronary venous delivery: implications for current clinical trials. <i>Circulation</i> , 2005 , 112, I150-6	16.7	438
481		16.7	438
	coronary venous delivery: implications for current clinical trials. <i>Circulation</i> , 2005 , 112, I150-6	16.7	438
480	coronary venous delivery: implications for current clinical trials. <i>Circulation</i> , 2005 , 112, I150-6 Gene Therapy for Heart Failure. 2005 , 35, 345 Gene therapy for chronic myocardial ischemia using platelet-derived endothelial cell growth factor	16.7	
480 479	coronary venous delivery: implications for current clinical trials. <i>Circulation</i> , 2005 , 112, I150-6 Gene Therapy for Heart Failure. 2005 , 35, 345 Gene therapy for chronic myocardial ischemia using platelet-derived endothelial cell growth factor in dogs. 2005 , 288, H408-15 Ex vivo gene transfer for improvement of transplanted pancreatic islet viability and function. 2005 ,	16.7	29
480 479 478	Cene Therapy for Heart Failure. 2005, 35, 345 Gene therapy for chronic myocardial ischemia using platelet-derived endothelial cell growth factor in dogs. 2005, 288, H408-15 Ex vivo gene transfer for improvement of transplanted pancreatic islet viability and function. 2005, 11, 2927-40		29
480 479 478 477	Cene Therapy for Heart Failure. 2005, 35, 345 Gene therapy for chronic myocardial ischemia using platelet-derived endothelial cell growth factor in dogs. 2005, 288, H408-15 Ex vivo gene transfer for improvement of transplanted pancreatic islet viability and function. 2005, 11, 2927-40 Antibody phage display technologies with special reference to angiogenesis. 2005, 19, 331-41		29 7 27
480 479 478 477 476	Cene Therapy for Heart Failure. 2005, 35, 345 Gene therapy for chronic myocardial ischemia using platelet-derived endothelial cell growth factor in dogs. 2005, 288, H408-15 Ex vivo gene transfer for improvement of transplanted pancreatic islet viability and function. 2005, 11, 2927-40 Antibody phage display technologies with special reference to angiogenesis. 2005, 19, 331-41 New frontiers in interventional cardiology. <i>Circulation</i> , 2005, 111, 671-81		29 7 27

(2005-2005)

472	Fracture Repair. 2005 , 21-44	42
471	Gene transfer for ischemic cardiovascular disease: is this the end of the beginning or the beginning of the end?. 2005 , 2, 138-44	9
47°	Enhanced brain angiogenesis in chronic cerebral hypoperfusion after administration of plasmid human vascular endothelial growth factor in combination with indirect vasoreconstructive surgery. 2005 , 103, 882-90	36
469	Reappraisal of recent clinical trials of angiogenic therapy in myocardial ischemia. 2005 , 13, 90-7	3
468	Therapeutic angiogenesis for coronary artery disease: clinical trials of proteins, plasmids, adenovirus and stem cells. 2005 , 1, 99-109	3
467	Vascular endothelial growth factor in coronary sinus: evidence for its association with coronary collaterals. 2005 , 39, 353-7	9
466	The relation between chronic obstructive pulmonary disease and coronary collateral vessels. 2005 , 56, 651-6	9
465	Administration of vascular endothelial growth factor adjunctive to fetal cardiomyocyte transplantation and improvement of cardiac function in the rat model. 2005 , 10, 55-66	18
464	Non-viral vectors for gene therapy: clinical trials in cardiovascular disease. 2005 , 54, 339-61	44
463	Vascular endothelial growth factor (VEGF) plasma concentrations in coronary artery disease. 2005 , 91, 365-6	29
462	Vascular-specific growth factor mRNA levels in the human diaphragm. 2005 , 72, 636-41	12
461	Retinal vascular regeneration. 2005 , 20, 43-50	8
460	Transendocardial and transepicardial intramyocardial fibroblast growth factor-2 administration: myocardial and tissue distribution. 2005 , 33, 1101-7	34
459	Effects of total coronary artery occlusion on vascular endothieial growth factor and transforming growth factor beta. 2005 , 21, 460-5	2
458	Phase II study of doxorubicin and bevacizumab for patients with metastatic soft-tissue sarcomas. 2005 , 23, 7135-42	218
457	Intratumoral injection of DNA encoding human interleukin 12 into patients with metastatic melanoma: clinical efficacy. 2005 , 16, 35-48	119
456	Genetic therapies for cardiovascular diseases. 2005 , 11, 240-50	34
455	HIV-based vectors and angiogenesis following rabbit hindlimb ischemia. 2005 , 123, 55-66	10

454	Signaling factors in stem cell-mediated repair of infarcted myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2005 , 39, 363-76	202
453	Development of novel method of non-viral efficient gene transfer into neonatal cardiac myocytes. Journal of Molecular and Cellular Cardiology, 2005 , 39, 503-9	5
452	Vascular endothelial growth factor naked DNA gene transfer enhances thrombus recanalization and resolution. 2005 , 42, 1183-9	30
451	The Vascular Endothelium II. 2006 ,	4
450	Targeting vascular endothelial growth factor in angina therapy. 2006 , 10, 5-14	O
449	Systemic VEGF levels after coronary artery bypass graft surgery reflects the extent of inflammatory response. 2006 , 8, 41-5	9
448	Pericardial fluid and serum levels of vascular endothelial growth factor and endostatin in patients with or without coronary artery disease. 2006 , 105, 377-83	14
447	Approaches for cardiovascular gene therapy in animal models. 2006 , 3, 305-310	
446	Photoengineering of tissue repair in skeletal and cardiac muscles. 2006 , 24, 111-20	47
445	Efficacy of therapeutic angiogenesis by intramyocardial injection of pCK-VEGF165 in pigs. 2006 , 82, 679-86	27
444	Update and rationale for ongoing acute myocardial infarction trials: combination therapy, facilitation, and myocardial preservation. 2006 , 151, S30-9	10
443	Gallate, the component of HIF-inducing catechins, inhibits HIF prolyl hydroxylase. 2006 , 351, 234-9	17
442	Gene Therapy for Angiogenesis. 2006 , 171-205	
441	Cardiovascular Disease: Gene Therapy. 2006 ,	
440	Extracorporeal cardiac shock wave therapy ameliorates myocardial ischemia in patients with severe coronary artery disease. 2006 , 17, 63-70	147
439	The future of therapeutic myocardial angiogenesis. 2006 , 26, 332-41	35
438	Hypoxia-sensitive molecules may modulate the development of atherosclerosis in sleep apnoea syndrome. 2006 , 11, 24-31	80
437	High resolution mechanical function in the intact porcine heart: mechanical effects of pacemaker location. 2006 , 39, 717-25	9

(2006-2006)

436	Proliferation of endothelial cell on polytetrafluoroethylene vascular graft materials carried VEGF gene plasmid. 2006 , 7, 421-8	5
435	Cardiovascular gene delivery: The good road is awaiting. 2006 , 58, 604-29	50
434	Intramuscular gene transfer of fibroblast growth factor-1 using improved pCOR plasmid design stimulates collateral formation in a rabbit ischemic hindlimb model. 2006 , 84, 491-502	12
433	Contraindications of VEGF-based therapeutic angiogenesis: effects on macrophage density and histology of normal and ischemic brains. 2006 , 44, 316-25	37
432	Relation of various plasma growth factor levels in patients with stable angina pectoris and total occlusion of a coronary artery to the degree of coronary collaterals. 2006 , 97, 472-6	16
431	Nuclear cardiology: present and future. 2006 , 31, 557-629	41
430	Vascular endothelial dysfunction in diabetic cardiomyopathy: pathogenesis and potential treatment targets. 2006 , 111, 384-99	75
429	A randomized, double-blind, placebo-controlled, multicenter, pilot study of the safety and feasibility of catheter-based intramyocardial injection of AdVEGF121 in patients with refractory advanced coronary artery disease. 2006 , 68, 372-8	54
428	Modulations of VEGF and iNOS in the rat heart by low level laser therapy are associated with cardioprotection and enhanced angiogenesis. 2006 , 38, 682-8	118
427	Regional and global protective effects of tissue kallikrein gene delivery to the peri-infarct myocardium. 2006 , 1, 235-54	21
426	Catheter-based delivery of cells to the heart. 2006 , 3 Suppl 1, S57-64	83
425	Research Issues in Regenerative Medicine. 2006 , 405-431	
424	Targeting adiponectin for cardioprotection. 2006 , 10, 573-81	24
423	Angiogenesis for the treatment of inoperable coronary disease: the future. 2006 , 10, 184-8	5
422	Beta-adrenoceptor blockade markedly attenuates transgene expression from cytomegalovirus promoters within the cardiovascular system. 2006 , 26, 2267-74	6
421	Molecular aspects of ischemic heart disease: ischemia/reperfusion-induced genetic changes and potential applications of gene and RNA interference therapy. 2006 , 11, 17-30	32
420	Evaluation of the porcine ameroid constrictor model of myocardial ischemia for therapeutic angiogenesis studies. 2006 , 13, 25-33	18
419	An Essential Guide to Cardiac Cell Therapy. 2006,	2

418	In vivo imaging shows abnormal function of vascular endothelial growth factor-induced vasculature. 2007 , 18, 515-24	59
417	Therapeutic angiogenesis inhibits or rescues chemotherapy-induced peripheral neuropathy: taxoland thalidomide-induced injury of vasa nervorum is ameliorated by VEGF. 2007 , 15, 69-75	61
416	Targeting the heart with gene therapy-optimized gene delivery methods. 2007, 73, 453-62	83
415	Intramyocardial injection of vascular endothelial growth factor gene improves cardiac performance and inhibits cardiomyocyte apoptosis. 2007 , 9, 343-51	32
414	Gene and cell therapy for chronic ischaemic heart disease. 2007 , 7, 5-15	5
413	Hydrodynamics- and ultrasound-based transfection of heart with naked plasmid DNA. 2007, 18, 1233-43	6
412	Adenoviral gene transfer of sphingosine kinase 1 protects heart against ischemia/reperfusion-induced injury and attenuates its postischemic failure. 2007 , 18, 1119-28	46
411	Coronary Artery Disease: Pathologic Anatomy and Pathogenesis. 2007 , 593-610	4
410	Therapeutic angiogenesis using novel vascular endothelial growth factor-E/human placental growth factor chimera genes. 2007 , 27, 99-105	22
409	Therapeutic angiogenesis. 2007, 41, 173-85	14
408	Secoisolariciresinol diglucoside: relevance to angiogenesis and cardioprotection against ischemia-reperfusion injury. 2007 , 320, 951-9	43
407	Endothelial E-selectin potentiates neovascularization via endothelial progenitor cell-dependent and -independent mechanisms. 2007 , 27, 512-8	37
406	Important role of erythropoietin receptor to promote VEGF expression and angiogenesis in peripheral ischemia in mice. 2007 , 100, 662-9	158
405	Combinatorial protein therapy of angiogenic and arteriogenic factors remarkably improves collaterogenesis and cardiac function in pigs. 2007 , 104, 12140-5	90
404	Gene Therapy for Cardiovascular Disease: Inserting New Genes, Regulating the Expression of Native Genes, and Correcting Genetic Defects. 195-224	1
403	Quintessential Beecher: Surgery as placebo: a quantitative study of bias. J Am Med Assoc. 1961;176:1102-1107. 2007 , 45, 47-63	2
402	Comparison of cell therapy and cytokine therapy for functional repair in ischemic and nonischemic heart failure. 2007 , 16, 365-74	20
401	Long-term stable expression of human growth hormone by rAAV promotes myocardial protection post-myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2007 , 42, 390-9	28

(2007-2007)

400	Adiponectin protects against the development of systolic dysfunction following myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2007 , 42, 1065-74	5.8	192	
399	Interactions between important regulatory proteins and human alphaB crystallin. 2007, 46, 6308-17		79	
398	Therapeutic myocardial angiogenesis. 2007 , 74, 159-71		46	
397	Gene Therapy for Cancer. 2007,		3	
396	Vascular endothelial growth factors: biology and current status of clinical applications in cardiovascular medicine. 2007 , 49, 1015-26		354	
395	Effects of Ad5FGF-4 in patients with angina: an analysis of pooled data from the AGENT-3 and AGENT-4 trials. 2007 , 50, 1038-46		186	
394	Therapeutic angiogenesis for peripheral artery disease: gene therapy. 2007 , 36, 165-73		11	
393	. 2007,		2	
392	Cardiac Regenerative Engineering. 584-658			
391	Improvement of survival of skin flaps by combined gene transfer of hepatocyte growth factor and prostacyclin synthase. 2007 , 9, 1087-94		15	
390	Effects of surface-modified scaffolds on the growth and differentiation of mouse adipose-derived stromal cells. 2007 , 1, 211-7		25	
389	Combating cardiovascular disease with angiogenic therapy. 2007 , 12, 1040-5		22	
388	Statins and the endothelium. 2007 , 46, 1-9		90	
387	Current status of cardiovascular gene therapy. 2007 , 15, 1233-47		144	
386	Enhanced angiogenesis by gelatin hydrogels incorporating basic fibroblast growth factor in rabbit model of hind limb ischemia. 2007 , 22, 104-8		46	
385	Radionuclide reporter gene imaging for cardiac gene therapy. 2007 , 34 Suppl 1, S27-33		28	
384	Intravenous injection of phagocytes transfected ex vivo with FGF4 DNA/biodegradable gelatin complex promotes angiogenesis in a rat myocardial ischemia/reperfusion injury model. 2007 , 102, 209-	16	11	
383	Creation of a biological pacemaker by gene- or cell-based approaches. 2007 , 45, 133-44		18	

382	Beneficial effects of prolonged systemic administration of PlGF on late outcome of post-ischaemic myocardial performance. 2008 , 216, 236-44	34
381	Proliferaciīl vascular en las extremidades isquīnicas: una revisiīl de los mecanismos y posible estimulaciīl teraplītica. 2008 , 22, 635-652	
380	Ultrasonic gene and drug delivery to the cardiovascular system. 2008 , 60, 1177-92	85
379	A novel angiographic methodology for the quantification of angiogenesis. 2008 , 55, 996-1003	2
378	The relationship between severity of coronary artery disease and plasma level of vascular endothelial growth factor. 2008 , 9, 66-70	21
377	Endothelial progenitor cells in regenerative medicine and cancer: a decade of research. 2008, 26, 276-83	53
376	Proceedings of Light-Activated Tissue Regeneration and Therapy Conference. 2008,	6
375	Secoisolariciresinol diglucoside induces neovascularization-mediated cardioprotection against ischemia-reperfusion injury in hypercholesterolemic myocardium. <i>Journal of Molecular and Cellular</i> 5.8 <i>Cardiology</i> , 2008 , 44, 170-9	38
374	Growth factors and cell therapy in myocardial regeneration. <i>Journal of Molecular and Cellular Cardiology</i> , 2008 , 44, 219-27	34
373	Cryoinjury: a model of myocardial regeneration. 2008, 17, 23-31	30
372	Progenitor cell therapy for cardiac regeneration following acute myocardial infarction: So far, so good?. 2008 , 24, 5C-10C	1
371	Hepatocyte growth factor and granulocyte colony-stimulating factor form a combined neovasculogenic therapy for ischemic cardiomyopathy. 2008 , 10, 857-67	18
370	Vascular growth in ischemic limbs: a review of mechanisms and possible therapeutic stimulation. 2008 , 22, 582-97	59
369	Croissance vasculaire des membres ischibiques : revue des milanismes et possible stimulation thilapeutique. 2008 , 22, 632-649	
368	Engineering the microcirculation. 2008 , 14, 87-103	117
367	Biological approaches to ischemic tissue repair: gene- and cell-based strategies. 2008, 6, 653-68	13
366	Signal Transduction in the Cardiovascular System in Health and Disease. 2008,	
365	Gene therapy: targeting the myocardium. 2008 , 94, 89-99	78

364	Endothelial progenitor cells and their potential therapeutic applications. 2008, 3, 863-76	51
363	MR assessment of myocardial perfusion, viability, and function after intramyocardial transfer of VM202, a new plasmid human hepatocyte growth factor in ischemic swine myocardium. 2008 , 249, 107-18	37
362	Gene-therapy delivery strategies in cardiology. 2008 , 4, 135-50	5
361	Aiming for the heart: targeted delivery of drugs to diseased cardiac tissue. 2008 , 5, 459-70	58
360	The local injection of peritoneal macrophages induces neovascularization in rat ischemic hind limb muscles. 2008 , 17, 211-22	25
359	Extracorporeal shock wave therapy ameliorates hindlimb ischemia in rabbits. 2008, 214, 151-8	62
358	Therapeutic angiogenesis: a new treatment approach for ischemic heart diseasePart II. 2008, 16, 219-29	29
357	Vascular endothelial growth factors in cardiovascular medicine. 2008 , 9, 1190-221	58
356	Basic fibroblast growth factor inhibits ventricular remodeling in Dahl salt-sensitive hypertensive rats. 2008 , 26, 2436-44	5
355	Effects of transplanted myoblasts transfected with human growth hormone gene on improvement of ventricular function of rats. 2008 , 121, 347-354	13
354	Gene therapy for coronary and peripheral artery disease. 2008 , 18, 903-927	О
353	Molecular basis of cardioprotection by erythropoietin. 2009 , 2, 56-69	48
352	Mesenchymal stem cells genetically modified with the angiopoietin-1 gene enhanced arteriogenesis in a porcine model of chronic myocardial ischaemia. 2009 , 37, 68-78	18
351	Gene therapy with the angiogenic cytokine secretoneurin induces therapeutic angiogenesis by a nitric oxide-dependent mechanism. 2009 , 105, 994-1002	40
350	Association of VEGF gene polymorphisms with the development of heart failure in patients after myocardial infarction. 2009 , 114, 11-8	20
349	Vascular endothelial growth factor, its soluble receptor, and hepatocyte growth factor: clinical and genetic correlates and association with vascular function. 2009 , 30, 1121-7	52
348	Heart failure therapy mediated by the trophic activities of bone marrow mesenchymal stem cells: a noninvasive therapeutic regimen. 2009 , 296, H1888-97	175
347	Bone marrow laser revascularisation for treating refractory angina due to diffuse coronary heart disease. 2009 , 36, 192-4	5

346	Direct epicardial shock wave therapy improves ventricular function and induces angiogenesis in ischemic heart failure. 2009 , 137, 963-70	44
345	Combining angiogenic gene and stem cell therapies for myocardial infarction. 2009, 11, 743-53	41
344	Bone marrow stem cells for the treatment of ischemic heart disease: a clinical trial review. 2009 , 2, 202-18	14
343	Non-invasive Monitoring of Angiogenesis in Cardiology. 2009 , 2, 59-66	6
342	Coronary vessel development and insight towards neovascular therapy. 2009 , 90, 262-83	37
341	Protopanaxadiol and protopanaxatriol bind to glucocorticoid and oestrogen receptors in endothelial cells. 2009 , 156, 626-37	50
340	Human studies of angiogenic gene therapy. 2009 , 105, 724-36	220
339	Comparative study of cellular kinetics of reporter probe [(131)I]FIAU in neonatal cardiac myocytes after transfer of HSV1-tk reporter gene with two vectors. 2009 , 36, 207-13	12
338	The role of vascular endothelial growth factor in wound healing. 2009 , 153, 347-58	657
337	Ultrasound-targeted gene delivery induces angiogenesis after a myocardial infarction in mice. 2009 , 2, 869-79	96
336	Therapeutic Promotion of the Human Coronary Collateral Circulation. 2009, 305-408	
335	Current insights on the biology and clinical aspects of VEGF regulation. 2008 , 42, 517-30	58
334	Intramyocardial injection of autologous platelet-rich plasma combined with transmyocardial revascularization. 2009 , 18, 353-9	17
333	Treatment with recombinant placental growth factor (PlGF) enhances both angiogenesis and arteriogenesis and improves survival after myocardial infarction. 2009 , 73, 1674-82	39
332	Angiogenesis and the heart. 2010 , 5, 171-6	
331	Effect of gene therapy with vascular endothelial growth factor after abdominoplasty on TRAM flap viability in a rat model. 2010 , 125, 1343-1351	10
330	Optimal dose of plasmid vascular endothelial growth factor for enhancement of angiogenesis in the rat brain ischemia model. 2010 , 50, 449-55	7
329	Targeting the cell cycle machinery for the treatment of cardiovascular disease. 2003 , 55, 571-91	33

(2010-2010)

328	Mid term results after bone marrow laser revascularization for treating refractory angina. 2010 , 10, 42	12
327	The stimulative effects of endogenous opioids on endothelial cell proliferation, migration and angiogenesis in vitro. 2010 , 628, 42-50	20
326	Naked DNA delivery to whole pig cardiac tissue by coronary sinus retrograde injection employing non-invasive catheterization. 2010 , 12, 920-6	11
325	Capturing the stem cell paracrine effect using heparin-presenting nanofibres to treat cardiovascular diseases. 2010 , 4, 600-10	77
324	Non-viral gene therapy for myocardial engineering. 2010 , 2, 232-48	13
323	Naked DNA expressing two isoforms of hepatocyte growth factor induces collateral artery augmentation in a rabbit model of limb ischemia. 2010 , 17, 1442-52	33
322	Randomized, double-blind, placebo-controlled clinical trial of hepatocyte growth factor plasmid for critical limb ischemia. 2010 , 17, 1152-61	154
321	VEGF gene therapy for angiogenesis in refractory angina: phase I/II clinical trial. 2010 , 25, 311-21	22
320	Cardiac gene therapy: optimization of gene delivery techniques in vivo. 2010 , 21, 371-80	37
319	Gene Therapy with Plasmid DNA. 2010 , 457-499	3
319	Gene Therapy with Plasmid DNA. 2010, 457-499 Coadministration of adenoviral vascular endothelial growth factor and angiopoietin-1 enhances vascularization and reduces ventricular remodeling in the infarcted myocardium of type 1 diabetic rats. 2010, 59, 51-60	3 45
	Coadministration of adenoviral vascular endothelial growth factor and angiopoietin-1 enhances vascularization and reduces ventricular remodeling in the infarcted myocardium of type 1 diabetic	
318	Coadministration of adenoviral vascular endothelial growth factor and angiopoietin-1 enhances vascularization and reduces ventricular remodeling in the infarcted myocardium of type 1 diabetic rats. 2010 , 59, 51-60 Cardiotonic pills, a compound Chinese medicine, protects ischemia-reperfusion-induced	45
318 317	Coadministration of adenoviral vascular endothelial growth factor and angiopoietin-1 enhances vascularization and reduces ventricular remodeling in the infarcted myocardium of type 1 diabetic rats. 2010, 59, 51-60 Cardiotonic pills, a compound Chinese medicine, protects ischemia-reperfusion-induced microcirculatory disturbance and myocardial damage in rats. 2010, 298, H1166-76 Paracrine factors released by GATA-4 overexpressed mesenchymal stem cells increase	45 53
318 317 316	Coadministration of adenoviral vascular endothelial growth factor and angiopoietin-1 enhances vascularization and reduces ventricular remodeling in the infarcted myocardium of type 1 diabetic rats. 2010, 59, 51-60 Cardiotonic pills, a compound Chinese medicine, protects ischemia-reperfusion-induced microcirculatory disturbance and myocardial damage in rats. 2010, 298, H1166-76 Paracrine factors released by GATA-4 overexpressed mesenchymal stem cells increase angiogenesis and cell survival. 2010, 299, H1772-81 Update on gene therapy for myocardial ischaemia and left ventricular systolic dysfunction or heart	45 53 114
318 317 316 315	Coadministration of adenoviral vascular endothelial growth factor and angiopoietin-1 enhances vascularization and reduces ventricular remodeling in the infarcted myocardium of type 1 diabetic rats. 2010, 59, 51-60 Cardiotonic pills, a compound Chinese medicine, protects ischemia-reperfusion-induced microcirculatory disturbance and myocardial damage in rats. 2010, 298, H1166-76 Paracrine factors released by GATA-4 overexpressed mesenchymal stem cells increase angiogenesis and cell survival. 2010, 299, H1772-81 Update on gene therapy for myocardial ischaemia and left ventricular systolic dysfunction or heart failure. 2010, 103, 469-76	45 53 114 6
318 317 316 315 314	Coadministration of adenoviral vascular endothelial growth factor and angiopoietin-1 enhances vascularization and reduces ventricular remodeling in the infarcted myocardium of type 1 diabetic rats. 2010, 59, 51-60 Cardiotonic pills, a compound Chinese medicine, protects ischemia-reperfusion-induced microcirculatory disturbance and myocardial damage in rats. 2010, 298, H1166-76 Paracrine factors released by GATA-4 overexpressed mesenchymal stem cells increase angiogenesis and cell survival. 2010, 299, H1772-81 Update on gene therapy for myocardial ischaemia and left ventricular systolic dysfunction or heart failure. 2010, 103, 469-76 Moyamoya Disease Update. 2010,	45 53 114 6

310	Improving regenerating potential of the heart after myocardial infarction: factor-based approach. 2010 , 86, 461-72	27
309	Functional vascular endothelial growth factor gene polymorphisms and diabetes: effect on coronary collaterals in patients with significant coronary artery disease. 2010 , 411, 1688-93	33
308	Adult endothelial progenitor cells retain hematopoiesis potential. 2010 , 42, 3745-9	7
307	Analysis of angiogenesis induced by local IGF-1 expression after myocardial infarction using microSPECT-CT imaging. <i>Journal of Molecular and Cellular Cardiology</i> , 2010 , 48, 1071-9	53
306	Rebuilding the damaged heart: the potential of cytokines and growth factors in the treatment of ischemic heart disease. 2010 , 56, 1287-97	96
305	Gene therapy in vascular disease. 2011 , 9, 326-35	16
304	Gene therapy for ischemic heart disease. 2011 , 11, 723-37	41
303	Delivery of Nucleic Acids and Gene Delivery. 2011 , 411-444	6
302	Targeted gene therapy for the treatment of heart failure. 2011 , 27, 265-83	29
301	Optimizing stem cell function for the treatment of ischemic heart disease. 2011 , 166, 138-45	23
300	Therapeutic angiogenesis for cardiovascular disease: biological context, challenges, prospects. 2011 , 97, 181-9	104
299	Current strategies for myocardial gene delivery. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 50, 766-76	28
298	Therapeutic angiogenesis for the management of refractory angina: current concepts. 2011 , 29, e1-e11	16
297	Angiopoietin-1 protects heart against ischemia/reperfusion injury through VE-cadherin dephosphorylation and myocardiac integrin-1/ERK/caspase-9 phosphorylation cascade. 2011 , 17, 1095-106	42
296	Gene Therapy Targets and the Role of Pharmacogenomics in Heart Failure. 2011,	
295	Recent Innovation in Pretreatment for Skin Grafts Using Regenerative Medicine in the East. 2011 ,	
294	Potential Gene Therapy: Intravenous Administration of Phagocytes Transfected Ex Vivo with FGF4 DNA/Biodegradable Gelatin Complex Promotes Angiogenesis in Animal Model of Myocardial Ischemia/Reperfusion Injury. 2011 ,	
293	Gene therapy targeting inflammation in atherosclerosis. 2011 , 17, 4210-23	33

292	Synergistic effect of adipose-derived stem cell therapy and bone marrow progenitor recruitment in ischemic heart. 2011 , 91, 539-52	48
291	Real-time PCR study of Ang1, Ang2, Tie-2, VEGF, and KDR expression in human erectile tissue during aging. 2011 , 8, 1341-51	12
290	Cardiovascular magnetic resonance imaging in delivering and evaluating the efficacy of hepatocyte growth factor gene in chronic infarct scar. 2011 , 12, 111-22	8
289	Contrast ultrasound and targeted microbubbles: diagnostic and therapeutic applications for angiogenesis. 2011 , 4, 404-15	23
288	A novel technique for the preparation of (125)I-5-trimethylstannyl-1-(2-deoxy-2-fluoro-beta-D-arabino-furanosyl) uracil [correction of urail] and its biodistribution pattern in Kunming mice. 2011 , 31, 693	2
287	A visible, targeted high-efficiency gene delivery and transfection strategy. 2011 , 11, 56	10
286	Evaluation of biolistic gene transfer methods in vivo using non-invasive bioluminescent imaging techniques. 2011 , 11, 62	15
285	The evolution of heart gene delivery vectors. 2011 , 13, 557-65	41
284	Gene delivery methods in cardiac gene therapy. 2011 , 13, 566-72	30
283	Phase I/IIa clinical trial of therapeutic angiogenesis using hepatocyte growth factor gene transfer to treat critical limb ischemia. 2011 , 31, 713-20	93
282	Plasmid-mediated gene therapy for cardiovascular disease. 2011 , 91, 565-76	30
281	Coexpression of VEGF and angiopoietin-1 promotes angiogenesis and cardiomyocyte proliferation reduces apoptosis in porcine myocardial infarction (MI) heart. 2011 , 108, 2064-9	132
280	Role of GATA-4 in differentiation and survival of bone marrow mesenchymal stem cells. 2012, 111, 217-41	12
279	A characterization and targeting of the infarct border zone in a swine model of myocardial infarction. 2012 , 5, 416-21	16
278	Only time can tell: a commentary: AUTHORS' RETROSPECTIVE. 2012 , 96, 154-156	
277	Acute and impaired wound healing: pathophysiology and current methods for drug delivery, part 2: role of growth factors in normal and pathological wound healing: therapeutic potential and methods of delivery. 2012 , 25, 349-70	123
276	An emerging strategy of gene therapy for cardiac disease. 2012 , 111, 1108-10	6
275	Islet-1 gene delivery improves myocardial performance after experimental infarction. 2012 , 223, 284-90	10

274	Contrast ultrasound and targeted microbubbles: diagnostic and therapeutic applications in progressive diabetic nephropathy. 2012 , 32, 494-504	9
273	Long-term follow-up evaluation of results from clinical trial using hepatocyte growth factor gene to treat severe peripheral arterial disease. 2012 , 32, 2503-9	57
272	Regression of pathological cardiac hypertrophy: signaling pathways and therapeutic targets. 2012 , 135, 337-54	62
271	A targeted high-efficiency angiogenesis strategy as therapy for myocardial infarction. 2012 , 90, 695-702	9
270	Microvascular repair: post-angiogenesis vascular dynamics. 2012 , 19, 676-95	34
269	Site directed vascular gene delivery in vivo by ultrasonic destruction of magnetic nanoparticle coated microbubbles. 2012 , 8, 1309-18	30
268	Retrospect and Prospect. 2012, 429-449	
267	Novel Approaches to Deliver Molecular Therapeutics in Cardiac Disease Using Adeno-Associated Virus Vectors. 2012 , 391-458	1
266	In vivo site-specific transfection of naked plasmid DNA and siRNAs in mice by using a tissue suction device. 2012 , 7, e41319	22
265	Pharmacokinetic properties of 2nd-generation fibroblast growth factor-1 mutants for therapeutic application. 2012 , 7, e48210	23
264	Decursin inhibits vasculogenesis in early tumor progression by suppression of endothelial progenitor cell differentiation and function. 2012 , 113, 1478-87	16
263	VEGF gene therapy: therapeutic angiogenesis in the clinic and beyond. 2012 , 19, 622-9	165
262	Structural and biomechanical characterizations of porcine myocardial extracellular matrix. 2012 , 23, 1835-47	53
261	PET and MRI for the evaluation of regional myocardial perfusion and wall thickening after myocardial infarction. 2012 , 39, 1065-9	9
260	A novel method of augmenting gene expression and angiogenesis in the normal and ischemic canine myocardium. 2012 , 27, 316-26	3
259	Nonviral delivery of genetic medicine for therapeutic angiogenesis. 2012 , 64, 40-52	55
258	GDF-15 promotes angiogenesis through modulating p53/HIF-1嵒ignaling pathway in hypoxic human umbilical vein endothelial cells. 2012 , 39, 4017-22	50
257	Therapeutic angiogenesis for myocardial ischemia revisited: basic biological concepts and focus on latest clinical trials. 2012 , 15, 1-22	99

256	Mechanical and Chemical Signaling in Angiogenesis. 2013,	1
255	Percutaneous approaches for efficient cardiac gene delivery. 2013 , 6, 649-59	23
254	Vascular endothelial growth factor in heart failure. 2013 , 10, 519-30	148
253	From gene engineering to gene modulation and manipulation: can we prevent or detect gene doping in sports?. 2013 , 43, 965-77	16
252	Effects of salvianolic acid and notoginseng triterpenes on angiogenesis in EA-hy926 cells in vitro. 2013 , 11, 254-7	3
251	Postischemic revascularization: from cellular and molecular mechanisms to clinical applications. 2013 , 93, 1743-802	173
250	Critical path in cardiac stem cell therapy: an update on cell delivery. 2013 , 15, 399-415	11
249	Angiogenic cytokines in renovascular disease: do they have potential for therapeutic use?. 2013 , 7, 180-90	6
248	Concentration of vascular endothelial growth factor in patients with acute coronary syndrome. 2013 , 61, 664-9	22
247	An open-label dose escalation study to evaluate the safety of administration of nonviral stromal cell-derived factor-1 plasmid to treat symptomatic ischemic heart failure. 2013 , 112, 816-25	100
246	Mechanistic, technical, and clinical perspectives in therapeutic stimulation of coronary collateral development by angiogenic growth factors. 2013 , 21, 725-38	29
245	MSCs: Paracrine Effects. 2013 , 145-167	5
244	Advances in growth factor delivery for therapeutic angiogenesis. 2013 , 50, 35-51	45
243	Human gene therapy in cardiovascular diseases. 2013 , 84-93	
242	Translation of Pro-Angiogenic and Anti-Angiogenic Therapies into Clinical Use. 2013, 261-278	2
241	Transplantation of purified CD34+ cells in the treatment of critical limb ischemia. 2013 , 58, 404-411.e3	23
240	Gene targeting in ischemic heart disease and failure: translational and clinical studies. 2013, 85, 1-11	12
239	Electroporation-mediated gene transfer directly to the swine heart. 2013 , 20, 151-7	39

238	Safety of direct cardiac administration of AdVEGF-All6A+, a replication-deficient adenovirus vector cDNA/genomic hybrid expressing all three major isoforms of human vascular endothelial growth factor, to the ischemic myocardium of rats. 2013 , 24, 38-46	14
237	Placental growth factor increases regional myocardial blood flow and contractile function in chronic myocardial ischemia. 2013 , 304, H885-94	10
236	Gene therapy to treat cardiovascular disease. 2013 , 2, e000119	43
235	Biochemical Basis and Therapeutic Implications of Angiogenesis. 2013,	2
234	Inhibitory effect of glyceollins on vasculogenesis through suppression of endothelial progenitor cell function. 2013 , 57, 1762-71	8
233	High doses of vascular endothelial growth factor 165 safely, but transiently, improve myocardial perfusion in no-option ischemic disease. 2013 , 24, 298-306	20
232	Gene Delivery Strategies Targeting Stable Atheromatous Plaque. 2013 , 19, 1626-1637	3
231	Refractory Angina Pectoris: Lessons from the Past and Current Perspectives. 2013 , 19, 1658-1672	
230	VEGF 165 gene therapy for patients with refractory angina: mobilization of endothelial progenitor cells. 2013 , 101, 149-53	3
229	5-Methoxyleoligin, a lignan from Edelweiss, stimulates CYP26B1-dependent angiogenesis in vitro and induces arteriogenesis in infarcted rat hearts in vivo. 2013 , 8, e58342	9
228	[Pluripotent stem cells on cell therapy]. 2014 , 37, 129-36	
227	Bone marrow mesenchymal stem cells overexpressing human basic fibroblast growth factor increase vasculogenesis in ischemic rats. 2014 , 47, 886-94	17
226	. 2014,	4
225	The road ahead: working towards effective clinical translation of myocardial gene therapies. 2014 , 5, 39-51	9
224	Cardiovascular regenerative therapeutics via synthetic paracrine factor modified mRNA. 2014 , 13, 693-704	26
223	Cardiovascular gene therapy for myocardial infarction. 2014 , 14, 183-95	41
222	Blood vessel repair and regeneration in the ischaemic heart. 2014 , 1, e000016	22
221	Molecular Determinants of Cardiac Neovascularization. 2014 , 279-303	

220	Cell therapy for cardiac repairlessons from clinical trials. 2014 , 11, 232-46	222
219	Antifibrotic response of cardiac fibroblasts in hypertensive hearts through enhanced TIMP-1 expression by basic fibroblast growth factor. 2014 , 23, 92-100	18
218	Methods to improve cardiac gene therapy expression. 2014 , 12, 1317-26	4
217	Muscle-derived follistatin-like 1 functions to reduce neointimal formation after vascular injury. 2014 , 103, 111-20	50
216	S-propargyl-cysteine, a novel water-soluble modulator of endogenous hydrogen sulfide, promotes angiogenesis through activation of signal transducer and activator of transcription 3. 2014 , 20, 2303-16	70
215	Intravascular cell delivery device for therapeutic VEGF-induced angiogenesis in chronic vascular occlusion. 2014 , 35, 9012-22	7
214	Angiogenesis and cardiac hypertrophy: maintenance of cardiac function and causative roles in heart failure. 2014 , 114, 565-71	264
213	Toward functional screening of cardioactive and cardiotoxic drugs with zebrafish in vivo using pseudodynamic three-dimensional imaging. 2014 , 86, 2213-20	14
212	The Production of Plasmid DNA Vaccine in Escherichia coli: A Novel Bacterial-Based Vaccine Production Platform. 2014 , 25-49	1
211	Introduction. 2015 , 1-15	
21 0	Electromechanical mapping in electrophysiology and beyond. 2015 , 57, e470-e482	5
209	Deciphering stem cell therapy for the interventional cardiologist. 2015 , 7, 125-129	
208	(2-Hydroxypropyl)-ECyclodextrin Is a New Angiogenic Molecule for Therapeutic Angiogenesis. 2015 , 10, e0125323	6
207	Cardiac Usage of Reducible Poly(oligo-D-arginine) As a Gene Carrier for Vascular Endothelial Growth Factor Expression. 2015 , 10, e0144491	7
206	It is never too late for native cardiac repair: can genes awake the Sleeping Beauty in chronic patients?. 2015 , 36, 2207-9	O
205	The role of TGFI and LRG1 in cardiac remodelling and heart failure. 2015 , 7, 91-104	34
	The role of Far a different cardide remoderating and fleare randict 2012, 7, 27 To 1	<i>3</i> i
204	Secretoneurin gene therapy improves hind limb and cardiac ischaemia in Apo E?/? mice without influencing systemic atherosclerosis. 2015 , 105, 96-106	11

202	Molecular imaging of angiogenesis after myocardial infarction by (111)In-DTPA-cNGR and (99m)Tc-sestamibi dual-isotope myocardial SPECT. 2015 , 5, 2		20
201	p27 kip1 haplo-insufficiency improves cardiac function in early-stages of myocardial infarction by protecting myocardium and increasing angiogenesis by promoting IKK activation. 2014 , 4, 5978		14
200	Rip2 modifies VEGF-induced signalling and vascular permeability in myocardial ischaemia. 2015 , 107, 478-86		9
199	Inhibition of hypertrophy is a good therapeutic strategy in ventricular pressure overload. **Circulation, 2015, 131, 1435-47***	6.7	132
198	Regenerative Medicine in Otolaryngology. 2015 ,		1
197	Controversies in Cardiology. 2015 ,		
196	Prospects of gene and cell therapy for managing cardiac complications in Friedreich ataxia. 2015 , 3, 1183-	1190	50
195	Blockade of EMAP II protects cardiac function after chronic myocardial infarction by inducing angiogenesis. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 79, 224-31	.8	16
194	Vascular endothelial growth factor: therapeutic possibilities and challenges for the treatment of ischemia. 2015 , 71, 385-93		77
193	Synthetic chemically modified mRNA (modRNA): toward a new technology platform for cardiovascular biology and medicine. 2014 , 5, a014035		34
192	Pharmaceutical Biotechnology. 2016 ,		5
191	Vasculogenesis and Angiogenesis. 2016 , 49-65		9
190	Mechanism, current challenges and new approaches for non viral gene delivery. 2016 , 1-27		8
189	Development and Characterization of VEGF165-Chitosan Nanoparticles for the Treatment of Radiation-Induced Skin Injury in Rats. 2016 , 14,		10
188	Interventions that May Increase Cerebral Blood Flow. 2016 , 217-228		1
187	Cerebral Perfusion Enhancing Interventions: A New Strategy for the Prevention of Alzheimer Dementia. 2016 , 26, 618-31		29
186	Impact of Cellular Mechanisms of Ischemia on CABG Failure. 2016 , 351-391		2
185	Gene Therapy in Heart Failure. 2017 , 243, 395-421		4

184	Alzheimer Turning Point. 2016,	6
183	Vascularization strategies of engineered tissues and their application in cardiac regeneration. 2016 , 96, 183-94	98
182	Gene Therapy in Cardiac Surgery: Clinical Trials, Challenges, and Perspectives. 2016, 101, 2407-16	17
181	Novel molecular mechanisms and regeneration therapy for heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 92, 46-51	17
180	Placental growth factor 2A potential therapeutic strategy for chronic myocardial ischemia. 2016 , 203, 534-42	2
179	VEGF mimic peptides: Potential applications in central nervous system therapeutics. 2017 , 3, 233	2
178	Physiological motion modeling for organ-mounted robots. 2017 , 13, e1805	3
177	Delivery of drugs, growth factors, genes and stem cells via intrapericardial, epicardial and intramyocardial routes for sustained local targeted therapy of myocardial disease. 2017 , 14, 1227-1239	7
176	Sustained viral gene delivery from a micro-fibrous, elastomeric cardiac patch to the ischemic rat heart. 2017 , 133, 132-143	40
175	Heart Failure. 2017 ,	4
175	Heart Failure. 2017 , Trials of Angiogenesis Therapy in Patients with Ischemic Heart Disease. 2017 , 393-421	4
		10
174	Trials of Angiogenesis Therapy in Patients with Ischemic Heart Disease. 2017 , 393-421 Saponin extract from Panax notoginseng promotesangiogenesis through AMPK- and	10
174	Trials of Angiogenesis Therapy in Patients with Ischemic Heart Disease. 2017 , 393-421 Saponin extract from Panax notoginseng promotesangiogenesis through AMPK- and eNOS-dependent pathways in HUVECs. 2017 , 16, 5211-5218	10
174 173 172	Trials of Angiogenesis Therapy in Patients with Ischemic Heart Disease. 2017, 393-421 Saponin extract from Panax notoginseng promotesangiogenesis through AMPK- and eNOS-dependent pathways in HUVECs. 2017, 16, 5211-5218 Mechanistic Insight into Sonoporation with Ultrasound-Stimulated Polymer Microbubbles. 2017, 43, 2678-26	10 89 ₂₁
174 173 172	Trials of Angiogenesis Therapy in Patients with Ischemic Heart Disease. 2017, 393-421 Saponin extract from Panax notoginseng promotesangiogenesis through AMPK- and eNOS-dependent pathways in HUVECs. 2017, 16, 5211-5218 Mechanistic Insight into Sonoporation with Ultrasound-Stimulated Polymer Microbubbles. 2017, 43, 2678-26 Novel molecular targets for coronary angiogenesis and ischemic heart disease. 2017, 28, 605-613	10 89 ₂₁
174 173 172 171 170	Trials of Angiogenesis Therapy in Patients with Ischemic Heart Disease. 2017, 393-421 Saponin extract from Panax notoginseng promotesangiogenesis through AMPK- and eNOS-dependent pathways in HUVECs. 2017, 16, 5211-5218 Mechanistic Insight into Sonoporation with Ultrasound-Stimulated Polymer Microbubbles. 2017, 43, 2678-26 Novel molecular targets for coronary angiogenesis and ischemic heart disease. 2017, 28, 605-613 Angiogenic growth factors in myocardial infarction: a critical appraisal. 2017, 22, 665-683 The beneficial effect of extracorporeal shockwave myocardial revascularization: Two years of	10 8921 17

Angiogenesis. 2018, 85-96 166 2 Gene Therapy. **2018**, 301-317 165 Recent advances of PLGA micro/nanoparticles for the delivery of biomacromolecular therapeutics. 164 141 **2018**, 92, 1041-1060 Cardiac Regenerative Strategies for Advanced Heart Failure. 2018, 221-237 163 Non-invasive strategies for stimulating endogenous repair and regenerative mechanisms in the 162 9 damaged heart. 2018, 127, 33-40 Mechanical Circulatory Support for Advanced Heart Failure. 2018, 161 160 Role of Topical Biological Therapies and Dressings in Healing Ischemic Wounds. 2018, 17, 236-246 1 Microvasculature Recovery by Angiogenesis After Myocardial Infarction. 2018, 24, 2967-2973 159 The Role of Angiogenesis in Coronary Artery Disease: A Double-Edged Sword: Intraplaque 158 10 Angiogenesis in Physiopathology and Therapeutic Angiogenesis for Treatment. 2018, 24, 451-464 Stem cell and gene-based approaches for cardiac repair. 2018, 31-96 157 Human primary CD34 cells transplantation for critical limb ischemia. 2018, 32, e22569 156 3 Repurposing an anti-cancer agent for the treatment of hypertrophic heart disease. 2019, 249, 523-535 155 Biocompatible Nanogold Carrier Coated with Hyaluronic Acid for Efficient Delivery of Plasmid or 154 5 siRNA to Mesenchymal Stem Cells.. 2019, 2, 1017-1030 Local pharmacological induction of angiogenesis: Drugs for cells and cells as drugs. 2019, 146, 126-154 153 9 Tissue Engineering of the Microvasculature. **2019**, 9, 1155-1212 152 9 Astragaloside IV alleviates heart failure by promoting angiogenesis through the JAK-STAT3 151 19 pathway. 2019, 57, 48-54 Angiogenesis in the ischemic core: A potential treatment target?. 2019, 39, 753-769 150 51 Mechanically Defined Microenvironment Promotes Stabilization of Microvasculature, Which Correlates with the Enrichment of a Novel Piezo-1 Population of Circulating CD11b /CD115 14 Monocytes. **2019**, 31, e1808050

148	Technologies for intrapericardial delivery of therapeutics and cells. 2019 , 151-152, 222-232	7
147	La investigacifi con clulas troncales y la creatividad cientfica. 2019 , 195, 505	
146	Anti-angiogenic isoform of vascular endothelial growth factor-A in cardiovascular and renal disease. 2019 , 88, 1-33	9
145	mRNA-Based Protein Replacement Therapy for the Heart. 2019 , 27, 785-793	52
144	Gene therapy for refractory angina and cell therapy for heart failure: experience of a Brazilian research group. 2020 , 27, 40-50	1
143	Refractory Angina: From Pathophysiology to New Therapeutic Nonpharmacological Technologies. 2020 , 13, 1-19	19
142	Synthetic mRNA Encoding VEGF-A in Patients Undergoing Coronary Artery Bypass Grafting: Design of a Phase 2a Clinical Trial. 2020 , 18, 464-472	36
141	Repairing the heart: State-of the art delivery strategies for biological therapeutics. 2020 , 160, 1-18	8
140	PTEN inhibitor improves vascular remodeling and cardiac function after myocardial infarction through PI3k/Akt/VEGF signaling pathway. 2020 , 26, 111	9
139	Growth factor therapy for cardiac repair: an overview of recent advances and future directions. 2020 , 12, 805-815	7
138	Cardiac fibroblast derived matrix-educated macrophages express VEGF and IL-6, and recruit mesenchymal stromal cells. 2020 , 10,	5
137	Gene Therapy for the Heart Lessons Learned and Future Perspectives. 2020 , 126, 1394-1414	34
136	Pre-culture of mesenchymal stem cells within RGD-modified hyaluronic acid hydrogel improves their resilience to ischaemic conditions. 2020 , 107, 78-90	12
135	Coronary vessel formation in development and disease: mechanisms and insights for therapy. 2020 , 17, 790-806	17
134	In vivo engineering of organs. 2020 , 259-272	
133	Macrophage inhibitory cytokine-1 promotes angiogenesis by eliciting the GFRAL-mediated endothelial cell signaling. 2021 , 236, 4008-4023	3
132	No influence on tumor growth by intramuscular injection of adipose-derived regenerative cells: safety evaluation of therapeutic angiogenesis with cell therapy. 2021 , 320, H447-H457	2
131	Gene therapy for ischaemic heart disease and heart failure. 2021 , 290, 567-582	6

Nanotechnology for Pain Management: Current and Future Therapeutic Interventions.. **2021**, 39, 101223-1012<u>3</u>3

129	Therapeutic angiogenesis in coronary artery disease: a review of mechanisms and current approaches. 2021 , 30, 947-963	2
128	Gene Therapy: Targeting Cardiomyocyte Proliferation to Repopulate the Ischemic Heart. 2021 , 78, 346-360	O
127	Citrate-Saline-Formulated mRNA Delivery into the Heart Muscle with an Electromechanical Mapping and Injection Catheter Does Not Lead to Therapeutic Effects in a Porcine Chronic Myocardial Ischemia Model. 2021 , 32, 1295-1307	2
126	Therapeutic Angiogenesis: Translational and Clinical Experience. 2021 , 101-144	
125	The Role of Monocytes/Macrophages and Vascular Resident Precursor Cells in Collateral Growth. 2007 , 227-255	1
124	Gene therapy: role in myocardial protection. 2006 , 335-50	1
123	Gene Transfer and Target Diseases. 2005 , 246-260	1
122	Clinical Trials Using Non-viral Gene Delivery Systems. 2005 , 261-290	2
121	Development of targeted viral vectors for cardiovascular gene therapy. 2003 , 25, 15-49	2
120	Angiogenic Therapy by Coronary Collateral Recruitment and Arteriogenesis. 2003, 13-22	1
119	How to Mediate Cardioprotection in Ischemic hearts R ole of Adenosine. 2003 , 293-316	1
118	Therapeutic angiogenesis for ischemic heart disease. 2000 , 476, 327-50	13
117	Tumor Targeting-Retargeted Adenovirus. 2007 , 197-212	1
116	The future of gene therapy. 2003 , 1-16	3
115	Systemic relaxin administration stimulates angiogenic cytokine expression and vessel formation in a rat myocardial infarct model. 2001 , 159-167	4
114	Therapeutic Potential of Systemic Gene Transfer Strategy for Hypertension and Cardiovascular Disease. 2007 , 429-445	15
113	Cardiovascular Gene Expression. 2007 , 27-50	1

(2000-2011)

112	The Patient with Disabling [Refractory] Angina Not Amenable to Revascularization Procedures. 2011 , 330-343	O
111	Development of safe and efficient novel nonviral gene transfer using ultrasound: enhancement of transfection efficiency of naked plasmid DNA in skeletal muscle.	4
110	Targeted gene therapy for the treatment of cardiac dysfunction. 2002, 14, 167-77	7
109	Six-month assessment of a phase I trial of angiogenic gene therapy for the treatment of coronary artery disease using direct intramyocardial administration of an adenovirus vector expressing the VEGF121 cDNA. 1999 , 230, 466-70; discussion 470-2	161
108	Clinical trials in interventional cardiology. 1999 , 14, 412-8	4
107	Cardiac angiogenesis and gene therapy: a strategy for myocardial revascularization. 1999 , 14, 515-22	20
106	Adeno-associated virus-mediated vascular endothelial growth factor gene transfer into cardiac myocytes. 2000 , 36, 438-43	12
105	Inhibition of vascular endothelial growth factor activity by transfection with the soluble FLT-1 gene. 2000 , 36, 498-502	19
104	The effect of vascular endothelial growth factor on a rat model of traumatic arteriogenic erectile dysfunction. 2002 , 167, 761-7	27
103	VEGF-A induces angiogenesis, arteriogenesis, lymphangiogenesis, and vascular malformations. 2002 , 67, 227-37	65
102	Targeted delivery of mutant Raf kinase to neovessels causes tumor regression. 2002, 67, 285-91	13
101	Reversal of experimental diabetic neuropathy by VEGF gene transfer. 2001 , 107, 1083-92	238
100	Noninvasive imaging of myocardial angiogenesis following experimental myocardial infarction. 2004 , 113, 1684-1691	189
99	Noninvasive imaging of myocardial angiogenesis following experimental myocardial infarction. 2004 , 113, 1684-91	119
98	Angiogenesis and vasculogenesis as therapeutic strategies for postnatal neovascularization. 1999 , 103, 1231-6	601
97	Transplanted cord blood-derived endothelial precursor cells augment postnatal neovascularization. 2000 , 105, 1527-36	715
96	Embryonic development is disrupted by modest increases in vascular endothelial growth factor gene expression. 2000 , 127, 3941-3946	299
95	Brain derived neurotrophic factor is an endothelial cell survival factor required for intramyocardial vessel stabilization. 2000 , 127, 4531-4540	282

94	Role of Fas/Fas ligand interaction in ischemia-induced collateral vessel growth. 2002 , 25, 577-82	5
93	Gene therapyits potential in surgery. 2002 , 84, 297-301	4
92	Dose Dependent Dual Effect of Baicalin and Herb Huang Qin Extract on Angiogenesis. 2016 , 11, e0167125	21
91	Intramyocardial injection of fibroblast growth factor-2 plus heparin suppresses cardiac failure progression in rats with hypertensive heart disease. 2005 , 46, 289-301	10
90	Altered microvasculature is involved in remodeling processes in cardiomyopathic hamsters. 2003 , 44, 111-26	6
89	Histological Evidence for Therapeutic Induction of Angiogenesis Using Mast Cells and Platelet-Rich Plasma within A Bioengineered Scaffold following Rat Hindlimb Ischemia. 2020 , 21, 391-400	5
88	Obstructive Sleep Apnea. 2006 , 143-176	1
87	Inhibition of Neointima Formation by Anti-Vascular Endothelial Growth Factor and Receptor-1 Peptides in a Balloon-Injured Rat Carotid Artery. 2007 , 37, 475	2
86	Host tissue response in stem cell therapy. 2010 , 2, 61-6	18
85	Gene therapy for ischemic heart disease: review of clinical trials. 2011 , 26, 635-46	7
84	Arteriosklerose. 2000 , 115-188	
83	Prinzipien der chirurgischen Onkologie. 2000 , 115-144	
82	Myocardial-specific gene delivery. 2000 , 126-143	
81	Aktueller Stand der Gentherapie. 2000 , 297-374	1
80	Variants of the angiogenic factor vascular endothelial cell growth factor. 2000, 10, 981-983	
79	Gene therapy. 2001 , 46, 423-442	
78	Cardiac Angiogenesis and Gene Therapy: A Strategy for Myocardial Revascularization. 2001, 273-283	
77	Angiogenesis and Gene Therapy. 2001 , 321-337	

76 ?????????HGF???????????(?65??????????:: 1.???????????). **2001**, 9, 209-212 75 4)????????. **2002**, 91, 116-120 74 1 Biologische Rezidivprophylaxe. 2002, 427-452 73 Therapeutic Angiogenesis for the Heart. 2002, 279-293 72 Microcirculatory Function: Coronary Vasculature. 2002, 162-174 71 Stand der Gentherapie und der lokalen Medikamentenapplikation im kardiovaskullen Bereich. 70 2002, 135-179 Angiogenesis Therapies. 2002, 547-571 69 Targeting Gene Therapy to the Tumor Vasculature. 2002, 453-473 68 67 ?????????(????2002????). 2002, 10, 323-326 Gene Therapy. 2002, 367-378 66 Gene Transfer Strategies and Therapeutic Applications for Cardiovascular Ischemic Diseases. 2003, 453-484 65 64 How Does Adenosine Mediate Cardioprotection?. 2003, 439-455 Gene therapy for coronary artery disease: preclinical and initial clinical results with intracoronary 63 administration of Ad5FGF-4. 2003, 61-78 The Use of Bone Marrow Mesenchymal Stem Cells to Repair the Infarcted Heart. 2003, 345-354 62 Modulation of angiogenesis: experimental strategies and potential therapeutic applications. 2003, 61 539, 803-29 60 Cutaneous Gene Therapy with Cultured Skin Substitutes. 2003, MYOGENIC CARDIAC FIBROBLASTS FOR MYOCARDIAL INFARCTION. 2003, 116-128 59

58	MYOBLAST GENOME THERAPY AND THE REGENERATIVE HEART. 2003 , 236-251	
57	Surgical Treatments for Vasculogenic Erectile Dysfunction. 2004 , 115-125	
56	Angiogenesis and Angiogenic Growth Factors as Future Therapies for Cerebrovascular Disease. 2005 , 181-196	
55	??????????????(3. ?????????, ?69?????????). 2005 , 13, 233-240	
54	Therapeutic Angiogenesis. 2006 , 45-58	
53	Gene Therapies and Stem Cell Therapies. 2007 , 40-66	
52	Creation of a Biological Pacemaker by Gene- or Cell-Based Approaches. 2007 , 27-44	О
51	Angiogenesis. 2007 , 1717-1739	
50	Chronic Stable Angina. 2007 , 290-313	
49	Gene Therapy. 2007 , 2721-2729	
48	Gene Therapy. 2007 , 14-1-14-15	
47	Gene therapy. 2007 , 363-370	
46	Angiogenesis and myogenesis. 2007 , 393-405	
45	Vascular endothelial growth factor. 2007 , 355-362	
44	Gene therapy and stem cell technology. 2008 , 501-516	
43	Therapeutic Angiogenesis and Vasculogenesis for Ischemic Disease. 2008 , 285-299	
42	Light Therapy for the Cardiovascular System. 2008 , 151-156	
41	Gene Therapy in Heart Failure: Forthcoming Therapies. 2010 , 393-408	

40	Enhancer of Revascularization, Gene and Stem Cell Therapies. 2010, 344-349	
39	Safe and Effective Vascular Endothelial Cell Growth Factor (VEGF)-based Therapeutic Angiogenesis for Ischemic Stroke: Insights from Preclinical Trials. 2010 , 169-212	1
38	Clinical Trials in Renal Regenerative Medicine. 2011 , 341-360	
37	Angiogenic Cytokine Therapy for Ischemic Heart Disease. 2011 , 251-277	
36	Gene Transfer to the Heart: Emerging Strategies for the Selection of Vectors, Delivery Techniques, and Therapeutic Targets. 2013 , 169-206	
35	Trials of Angiogenesis Therapy in Patients with Ischemic Heart Disease. 2013 , 313-334	2
34	Angiogenesis in Myocardial Ischemia. 2013 , 261-283	2
33	Safety of Direct Cardiac Administration of AdVEGF-All6A+, a Replication Deficient Adenovirus Vector cDNA/Genomic Hybrid Expressing All Three Major Isoforms of Human Vascular Endothelial Growth Factor, to the Ischemic Myocardium of Rats. 130514071334005	
32	Vascular Gene Therapy Œarly Clinical Results with Angiogenic Growth Factors. 1999, 175-181	
31	?????????? : I ?????????????????(?63??????????). 1999 , 7, 215-223	
30	Current Situation of Regenerative Medicine. 2015 , 3-21	
29	New Therapeutic Options for Patients with Refractory Angina. 2015 , 147-162	
28	Gene Therapy in Cardiovascular Disease. 2015 , 265-287	
27	THERAPEUTIC ANGIOGENESIS BY GROWTH FACTORS AND BONE MARROW MONONUCLEAR CELLS ADMINISTRATION: BIOLOGICAL FOUNDATION AND CLINICAL PROSPECTS. 2015 , 17, 89-111	1
26	OBSOLETE: Angiogenesis. 2018 ,	
25	Toward the Clinical Application of Therapeutic Angiogenesis Against Pediatric Ischemic Retinopathy. 2020 , 9, 268-282	Ο
24	Therapeutic Angiogenesis: Translational and Clinical Experience. 2021 , 1-45	
23	Gene Therapy with Hepatocyte Growth Factor for Angiogenesis in Severe Pulmonary Vascular Disease. 2005 , 129-144	

Angiogenesis Induced by Intramyocardial Implantation of Autologous Bone Marrow Mononuclear 22 Cells for the Treatment of Ischemic Heart Disease. 2005, 201-211 Therapeutic Angiogenesis for Ischemic Vascular Disease. 2005, 369-385 21 Gene Therapy and Cardiovascular Diseases. 2005, 57-69 20 Local and Regional Vascular Delivery Strategies for Therapeutic Angiogenesis and Myogenesis. 19 2005, 107-141 Gene Therapy for Angiogenesis in the Treatment of Cardiovascular and Peripheral Arterial Disease. 18 2005. 215-244 New Therapies and What Is on the Horizon. 2008, 297-306 17 Angiogenesis in a patient with ischemic limb induced by intramuscular injection of vascular 16 0.8 15 endothelial growth factor and fibrin platform. Texas Heart Institute Journal, 2000, 27, 196-200 Virus-mediated gene transfer to induce therapeutic angiogenesis: where do we stand?. 15 14 7.3 International Journal of Nanomedicine, 2007, 2, 527-40 Factors determining heterogeneity in coronary collateral development: A clinical perspective. 1 14 Experimental and Clinical Cardiology, **2002**, 7, 120-7 Association between Vascular Endothelial Growth Factor Plasma Levels and rs699947 Polymorphism and Coronary Collateral Vessel Formation. The Journal of Tehran Heart Center, 2019, 0.3 13 1 14, 121-127 Delivery of human vascular endothelial growth factor with platinum coils enhances wall thickening 12 60 4.4 and coil impregnation in a rat aneurysm model. American Journal of Neuroradiology, 2001, 22, 1410-7 Signaling pathways and targeted therapy for myocardial infarction.. Signal Transduction and 11 21 4 *Targeted Therapy*, **2022**, 7, 78 Coronary vessel formation in development and regeneration: origins and mechanisms... Journal of 5.8 10 O Molecular and Cellular Cardiology, 2022, 167, 67-82 Signaling cascades in the failing heart and emerging therapeutic strategies.. Signal Transduction and 21 9 1 *Targeted Therapy*, **2022**, 7, 134 Modulation of Tissue Microenvironment Following Myocardial Infarction. Advanced NanoBiomed 8 О Research, 2200005 THE EVOLVING ROLE OF GENETICS IN THE DIAGNOSIS AND MANAGEMENT OF HEART DISEASE. **2000**, 35, 963-973 Overexpression of VEGF in dermal fibroblast cells accelerates the angiogenesis and wound healing \circ function: in vitro and in vivo studies. 2022, 12,

Modified mRNA Therapeutics for Heart Diseases. 2022, 23, 15514

CITATION REPORT

4	Gene Therapy and Cardiovascular Diseases. 2023 , 235-254	O
3	Progress in Clinical Gene Therapy for Cardiac Disorders.	O
2	Gene Therapy for Regenerative Medicine. 2023 , 15, 856	O
1	Pharmacological Treatment of Ischemic Heart Disease. 2023 , 345-367	О