Robert J Tomanek

List of Publications by Year
in descending order

40 papers	1,540 citations	304743 22 h-index	414414 32 g-index
40 all docs	40 docs citations	40 times ranked	1176 citing authors

#	Article	IF	Citations
1	The coronary capillary bed and its role in blood flow and oxygen delivery: A review. Anatomical Record, 2022, 305, 3199-3211.	1.4	6
2	Young athletes: Preventing sudden death by adopting a modern screening approach? A critical review and the opening of a debate. IJC Heart and Vasculature, 2021, 34, 100790.	1.1	7
3	Embryology of coronary arteries and anatomy/pathophysiology of coronary anomalies. A comprehensive update. International Journal of Cardiology, 2019, 281, 28-34.	1.7	29
4	Developmental Progression of the Coronary Vasculature in Human Embryos and Fetuses. Anatomical Record, 2016, 299, 25-41.	1.4	27
5	Coronary Anomalies in Mice With Congenital Heart Defects. Anatomical Record, 2015, 298, 408-417.	1.4	1
6	Coronary vessels and cardiac myocytes of middle-aged rats demonstrate regional sex-specific adaptation in response to postmyocardial infarction remodeling. Biology of Sex Differences, 2014, 5, 1.	4.1	22
7	Coronary Vasculature. , 2013, , .		12
8	Embryonic coronary vasculogenesis and angiogenesis are regulated by interactions between multiple FGFs and VEGF and are influenced by mesenchymal stem cells. Developmental Dynamics, 2010, 239, 3182-3191.	1.8	25
9	Chronic Heart Rate Reduction Facilitates Cardiomyocyte Survival After Myocardial Infarction. Anatomical Record, 2010, 293, 839-848.	1.4	18
10	Temporally Expressed PDGF and FGF-2 Regulate Embryonic Coronary Artery Formation and Growth. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 1237-1243.	2.4	39
11	FGF signaling is a major regulator of coronary tubulogenesis in the murine embryo. FASEB Journal, 2008, 22, 524.3.	0.5	0
12	Synectin/syndecan-4 regulate coronary arteriolar growth during development. Developmental Dynamics, 2007, 236, 2004-2010.	1.8	23
13	Differential effects of cyclic stretch and static stretch on angiogenic responses of microvascular endothelial cells. FASEB Journal, 2007, 21, A138.	0.5	2
14	Angiogenesis and Arteriogenesis in Cardiac Hypertrophy. , 2007, , 253-280.		1
15	Postâ€Infarction Angiogenesis and Arteriogenesis. FASEB Journal, 2007, 21, A80.	0.5	0
16	Vascular patterning of the quail coronary system during development. The Anatomical Record Part A: Discoveries in Molecular, Cellular, and Evolutionary Biology, 2006, 288A, 989-999.	2.0	24
17	The Coronary Microcirculation in Cyanotic Congenital Heart Disease. Circulation, 2006, 114, 196-200.	1.6	36
18	VEGF Family Members Regulate Myocardial Tubulogenesis and Coronary Artery Formation in the Embryo. Circulation Research, 2006, 98, 947-953.	4.5	85

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19	Vasoactive intestinal polypeptide receptors (VIP1 and VIP2) are morphogenic modulators of embryonic coronary vessel tube formation. FASEB Journal, 2006, 20, .	0.5	0
20	Differential effects of cyclic and static stretch on expression of tyrosine kinase receptors in microvascular endothelial cells. FASEB Journal, 2006, 20, A22.	0.5	0
21	Formation of the coronary vasculature during development. Angiogenesis, 2005, 8, 273-284.	7.2	104
22	Bradycardia Stimulates Vascular Growth During Gradual Coronary Occlusion. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 2122-2127.	2.4	37
23	Growth factor activation in myocardial vascularization: Therapeutic implications. Molecular and Cellular Biochemistry, 2004, 264, 3-11.	3.1	29
24	DITPA stimulates bFGF, VEGF, angiopoietin, and Tie-2 and facilitates coronary arteriolar growth. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H613-H618.	3.2	62
25	Hypoxic Induction of Myocardial Vascularization During Development. Advances in Experimental Medicine and Biology, 2003, 543, 139-149.	1.6	26
26	Role of VEGF family members and receptors in coronary vessel formation. Developmental Dynamics, 2002, 225, 233-240.	1.8	91
27	Role of growth factors in coronary morphogenesis. Texas Heart Institute Journal, 2002, 29, 250-4.	0.3	20
28	Multiple growth factors regulate coronary embryonic vasculogenesis. Developmental Dynamics, 2001, 221, 265-273.	1.8	45
29	Vascular Endothelial Growth Factor and Basic Fibroblast Growth Factor Differentially Modulate Early Postnatal Coronary Angiogenesis. Circulation Research, 2001, 88, 1135-1141.	4.5	100
30	Angiogenesis: New insights and therapeutic potential. The Anatomical Record, 2000, 261, 126-135.	1.8	139
31	Vascular endothelial growth factor expression coincides with coronary vasculogenesis and angiogenesis. , 1999, 215, 54-61.		99
32	Stimulation of coronary vasculogenesis/angiogenesis by hypoxia in cultured embryonic hearts. Developmental Dynamics, 1999, 216, 28-36.	1.8	66
33	Vascular endothelial growth factor expression coincides with coronary vasculogenesis and angiogenesis. Developmental Dynamics, 1999, 215, 54-61.	1.8	1
34	Stimulation of coronary vasculogenesis/angiogenesis by hypoxia in cultured embryonic hearts. Developmental Dynamics, 1999, 216, 28-36.	1.8	1
35	Coordinated capillary and myocardial growth in response to thyroxine treatment. , 1998, 251, 44-49.		57
36	Early Coronary Angiogenesis in Response to Thyroxine. Circulation Research, 1998, 82, 587-593.	4.5	72

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37	Morphological changes in the mechanically unloaded myocardial cell. The Anatomical Record, 1981, 200, 271-280.	1.8	41
38	The effects of chronic hypoxia on the myocardial cell of normotensive and hypertensive rats. The Anatomical Record, 1980, 196, 421-430.	1.8	20
39	Myocardial morphology in spontaneously hypertensive and aortic-constricted rats. American Journal of Anatomy, 1978, 152, 141-151.	1.0	130
40	Cytological differentiation of human fetal skeletal muscle. American Journal of Anatomy, 1977, 149, 227-245.	1.0	43