

# Michael P Simons

## List of Publications by Year in Descending Order

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

359  
papers

31,261  
citations

92  
h-index

167  
g-index

431  
ext. papers

34,544  
ext. citations

10.4  
avg, IF

7.12  
L-index

#	Paper	IF	Citations
359	Endothelium-derived lactate is required for pericyte function and blood-brain barrier maintenance.. <i>EMBO Journal</i> , <b>2022</b> , e109890	13	2
358	Syndecan-2 selectively regulates VEGF-induced vascular permeability <b>2022</b> , 1, 518-528		0
357	Identification of driver genes for critical forms of COVID-19 in a deeply phenotyped young patient cohort. <i>Science Translational Medicine</i> , <b>2021</b> , eabj7521	17.5	12
356	Developmental Perspectives on Arterial Fate Specification. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 691335	5.7	0
355	The quiescent endothelium: signalling pathways regulating organ-specific endothelial normalcy. <i>Nature Reviews Cardiology</i> , <b>2021</b> , 18, 565-580	14.8	28
354	Fibroblast growth factors: the keepers of endothelial normalcy. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	1
353	Role of Venous Endothelial Cells in Developmental and Pathologic Angiogenesis. <i>Circulation</i> , <b>2021</b> , 144, 1308-1322	16.7	5
352	Activation of Smad2/3 signaling by low fluid shear stress mediates artery inward remodeling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	7
351	MEKK3-TGF $\beta$ crosstalk regulates inward arterial remodeling.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	3
350	Endothelial-to-Mesenchymal Transition, Vascular Inflammation, and Atherosclerosis. <i>Frontiers in Cardiovascular Medicine</i> , <b>2020</b> , 7, 53	5.4	36
349	Smooth Muscle Cell Reprogramming in Aortic Aneurysms. <i>Cell Stem Cell</i> , <b>2020</b> , 26, 542-557.e11	18	52
348	Chronic mTOR activation induces a degradative smooth muscle cell phenotype. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 1233-1251	15.9	24
347	phenotype projection of endothelial ERK1/2 signaling. <i>Aging</i> , <b>2020</b> , 12, 10001-10003	5.6	
346	FRS2-dependent cell fate transition during endocardial cushion morphogenesis. <i>Developmental Biology</i> , <b>2020</b> , 458, 88-97	3.1	1
345	Amyloid- $\beta$ Precursor Protein APP Down-Regulation Alters Actin Cytoskeleton-Interacting Proteins in Endothelial Cells. <i>Cells</i> , <b>2020</b> , 9,	7.9	3
344	Endothelial TGF- $\beta$ signalling drives vascular inflammation and atherosclerosis. <i>Nature Metabolism</i> , <b>2019</b> , 1, 912-926	14.6	78
343	Endothelial ERK1/2 signaling maintains integrity of the quiescent endothelium. <i>Journal of Experimental Medicine</i> , <b>2019</b> , 216, 1874-1890	16.6	29

342	N-terminal syndecan-2 domain selectively enhances 6-O heparan sulfate chains sulfation and promotes VEGFA-dependent neovascularization. <i>Nature Communications</i> , <b>2019</b> , 10, 1562	17.4	38
341	Isoform-Specific Roles of ERK1 and ERK2 in Arteriogenesis. <i>Cells</i> , <b>2019</b> , 9,	7.9	9
340	A unifying concept in vascular health and disease. <i>Science</i> , <b>2018</b> , 360, 270-271	33.3	44
339	Endothelial Cell Autonomous Role of Akt1: Regulation of Vascular Tone and Ischemia-Induced Arteriogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2018</b> , 38, 870-879	9.4	26
338	The Rab-effector protein RABEP2 regulates endosomal trafficking to mediate vascular endothelial growth factor receptor-2 (VEGFR2)-dependent signaling. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 4805-4817	5.4	16
337	Endothelial Metabolic Control of Lymphangiogenesis. <i>BioEssays</i> , <b>2018</b> , 40, e1700245	4.1	5
336	SUMOylation of VEGFR2 regulates its intracellular trafficking and pathological angiogenesis. <i>Nature Communications</i> , <b>2018</b> , 9, 3303	17.4	30
335	Lacteal junction zippering protects against diet-induced obesity. <i>Science</i> , <b>2018</b> , 361, 599-603	33.3	85
334	Recent advances in understanding lymphangiogenesis and metabolism. <i>F1000Research</i> , <b>2018</b> , 7,	3.6	7
333	Fibroblast growth factor-transforming growth factor beta dialogues, endothelial cell to mesenchymal transition, and atherosclerosis. <i>Current Opinion in Lipidology</i> , <b>2018</b> , 29, 397-403	4.4	14
332	Metabolic Analysis of Lymphatic Endothelial Cells. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1846, 325-334	1.4	4
331	Post-endocytic sorting of Plexin-D1 controls signal transduction and development of axonal and vascular circuits. <i>Nature Communications</i> , <b>2017</b> , 8, 14508	17.4	25
330	The molecular basis of endothelial cell plasticity. <i>Nature Communications</i> , <b>2017</b> , 8, 14361	17.4	208
329	FGF-dependent metabolic control of vascular development. <i>Nature</i> , <b>2017</b> , 545, 224-228	50.4	181
328	SUMOylation Negatively Regulates Angiogenesis by Targeting Endothelial NOTCH Signaling. <i>Circulation Research</i> , <b>2017</b> , 121, 636-649	15.7	18
327	Modulation of VEGF receptor 2 signaling by protein phosphatases. <i>Pharmacological Research</i> , <b>2017</b> , 115, 107-123	10.2	22
326	Synectin promotes fibrogenesis by regulating PDGFR isoforms through distinct mechanisms. <i>JCI Insight</i> , <b>2017</b> , 2,	9.9	10
325	Mechanisms and regulation of endothelial VEGF receptor signalling. <i>Nature Reviews Molecular Cell Biology</i> , <b>2016</b> , 17, 611-25	48.7	698

324	Sympathetic Innervation Promotes Arterial Fate by Enhancing Endothelial ERK Activity. <i>Circulation Research</i> , <b>2016</b> , 119, 607-20	15.7	12
323	Fibroblast growth factor (FGF) signaling regulates transforming growth factor beta (TGF $\beta$ )-dependent smooth muscle cell phenotype modulation. <i>Scientific Reports</i> , <b>2016</b> , 6, 33407	4.9	48
322	Syndecan 4 controls lymphatic vasculature remodeling during mouse embryonic development. <i>Development (Cambridge)</i> , <b>2016</b> , 143, 4441-4451	6.6	27
321	When endothelial cells go rogue. <i>EMBO Molecular Medicine</i> , <b>2016</b> , 8, 1-2	12	36
320	Syndecan 4 controls lymphatic vasculature remodeling during mouse embryonic development. <i>Journal of Cell Science</i> , <b>2016</b> , 129, e1.1-e1.1	5.3	1
319	Future Targets in Endothelial Biology: Endothelial Cell to Mesenchymal Transition. <i>Current Drug Targets</i> , <b>2016</b> , 17, 1707-1713	3	6
318	Smooth muscle FGF/TGF $\beta$ cross talk regulates atherosclerosis progression. <i>EMBO Molecular Medicine</i> , <b>2016</b> , 8, 712-28	12	47
317	The expanding role of neuropilin: regulation of transforming growth factor- $\beta$ and platelet-derived growth factor signaling in the vasculature. <i>Current Opinion in Hematology</i> , <b>2016</b> , 23, 260-7	3.3	29
316	Up-regulation of thrombospondin-2 in Akt1-null mice contributes to compromised tissue repair due to abnormalities in fibroblast function. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 409-22	5.4	12
315	When it is better to regress: dynamics of vascular pruning. <i>PLoS Biology</i> , <b>2015</b> , 13, e1002148	9.7	23
314	State-of-the-Art Methods for Evaluation of Angiogenesis and Tissue Vascularization: A Scientific Statement From the American Heart Association. <i>Circulation Research</i> , <b>2015</b> , 116, e99-132	15.7	90
313	Cardiomyopathy and Worsened Ischemic Heart Failure in SM22-Cre-Mediated Neuropilin-1 Null Mice: Dysregulation of PGC1 $\beta$ and Mitochondrial Homeostasis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 1401-12	9.4	23
312	Molecular controls of arterial morphogenesis. <i>Circulation Research</i> , <b>2015</b> , 116, 1712-24	15.7	86
311	Molecular controls of lymphatic VEGFR3 signaling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2015</b> , 35, 421-9	9.4	73
310	Endothelial cell metabolism in normal and diseased vasculature. <i>Circulation Research</i> , <b>2015</b> , 116, 1231-44	15.7	337
309	Endothelial miR-17~92 cluster negatively regulates arteriogenesis via miRNA-19 repression of WNT signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 12812-7	11.5	51
308	Myosin VI and cardiomyopathy: Left ventricular hypertrophy, fibrosis, and both cardiac and pulmonary vascular endothelial cell defects in the Snell® waltzer mouse. <i>Cytoskeleton</i> , <b>2015</b> , 72, 373-87	2.4	12
307	Angiogenesis versus arteriogenesis: neuropilin 1 modulation of VEGF signaling. <i>F1000prime Reports</i> , <b>2015</b> , 7, 26		43

306	TGFB1 inhibition blocks the formation of stenosis in tissue-engineered vascular grafts. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 65, 512-4	15.1	21
305	Endothelial-to-mesenchymal transition drives atherosclerosis progression. <i>Journal of Clinical Investigation</i> , <b>2015</b> , 125, 4514-28	15.9	258
304	Angiocrine factors deployed by tumor vascular niche induce B cell lymphoma invasiveness and chemoresistance. <i>Cancer Cell</i> , <b>2014</b> , 25, 350-65	24.3	158
303	Divergent angiocrine signals from vascular niche balance liver regeneration and fibrosis. <i>Nature</i> , <b>2014</b> , 505, 97-102	50.4	387
302	VEGF-B-induced vascular growth leads to metabolic reprogramming and ischemia resistance in the heart. <i>EMBO Molecular Medicine</i> , <b>2014</b> , 6, 307-21	12	106
301	A brief etymology of the collateral circulation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 1854-9	9.4	91
300	Angiopietin-2 secretion by endothelial cell exosomes: regulation by the phosphatidylinositol 3-kinase (PI3K)/Akt/endothelial nitric oxide synthase (eNOS) and syndecan-4/syntenin pathways. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 510-9	5.4	61
299	Chemokine-coupled $\alpha$ integrin-induced macrophage Rac2-Myosin IIA interaction regulates VEGF-A mRNA stability and arteriogenesis. <i>Journal of Experimental Medicine</i> , <b>2014</b> , 211, 1957-68	16.6	34
298	Endothelial Akt1 mediates angiogenesis by phosphorylating multiple angiogenic substrates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 12865-70	11.5	91
297	The docking protein FRS2 $\beta$ s a critical regulator of VEGF receptors signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 5514-9	11.5	16
296	Flow-regulated lymphatic vasculature development and signaling. <i>Vascular Cell</i> , <b>2014</b> , 6, 14	1	9
295	Receptor tyrosine kinases endocytosis in endothelium: biology and signaling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 1831-7	9.4	29
294	PTP1b is a physiologic regulator of vascular endothelial growth factor signaling in endothelial cells. <i>Circulation</i> , <b>2014</b> , 130, 902-9	16.7	70
293	Vasa vasorum in normal and diseased arteries. <i>Circulation</i> , <b>2014</b> , 129, 2557-66	16.7	109
292	Inter-cellular exchange of cellular components via VE-cadherin-dependent trans-endocytosis. <i>PLoS ONE</i> , <b>2014</b> , 9, e90736	3.7	7
291	Fibroblast growth factor receptor 1 is a key inhibitor of TGF $\beta$ signaling in the endothelium. <i>Science Signaling</i> , <b>2014</b> , 7, ra90	8.8	69
290	ELAVL1 regulates alternative splicing of eIF4E transporter to promote postnatal angiogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 18309-14	11.5	40
289	Lymphatic fate specification: an ERK-controlled transcriptional program. <i>Microvascular Research</i> , <b>2014</b> , 96, 10-5	3.7	17

288	Syndecan 4 is required for endothelial alignment in flow and atheroprotective signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 17308-13	11.5	108
287	Netrin-1 controls sympathetic arterial innervation. <i>Journal of Clinical Investigation</i> , <b>2014</b> , 124, 3230-40	15.9	54
286	Chemokine-coupled $\alpha$ integrin-induced macrophage Rac2-Myosin IIA interaction regulates VEGF-A mRNA stability and arteriogenesis. <i>Journal of Cell Biology</i> , <b>2014</b> , 206, 2066-71	7.3	
285	Endothelial signaling and the molecular basis of arteriovenous malformation. <i>Cellular and Molecular Life Sciences</i> , <b>2013</b> , 71, 867	10.3	22
284	Syndecan-4 signaling at a glance. <i>Journal of Cell Science</i> , <b>2013</b> , 126, 3799-804	5.3	123
283	Endothelial cell-dependent regulation of arteriogenesis. <i>Circulation Research</i> , <b>2013</b> , 113, 1076-86	15.7	50
282	Syndecan 4 regulation of PDK1-dependent Akt activation. <i>Cellular Signalling</i> , <b>2013</b> , 25, 101-5	4.9	11
281	Dll4-Notch signaling determines the formation of native arterial collateral networks and arterial function in mouse ischemia models. <i>Development (Cambridge)</i> , <b>2013</b> , 140, 1720-9	6.6	49
280	Inhibition of tumor angiogenesis and growth by a small-molecule multi-FGF receptor blocker with allosteric properties. <i>Cancer Cell</i> , <b>2013</b> , 23, 477-88	24.3	110
279	The neuropilin 1 cytoplasmic domain is required for VEGF-A-dependent arteriogenesis. <i>Developmental Cell</i> , <b>2013</b> , 25, 156-68	10.2	154
278	Physiology. Lymphatics are in my veins. <i>Science</i> , <b>2013</b> , 341, 622-4	33.3	14
277	Effects of cell grafting on coronary remodeling after myocardial infarction. <i>Journal of the American Heart Association</i> , <b>2013</b> , 2, e000202	6	13
276	Need glucose to sprout: local metabolic control of angiogenesis. <i>EMBO Molecular Medicine</i> , <b>2013</b> , 5, 1459-61	5.1	9
275	The syndecan-4/protein kinase C pathway mediates prostaglandin E <sub>2</sub> -induced extracellular regulated kinase (ERK) activation in endothelial cells and angiogenesis in vivo. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 12712-21	5.4	33
274	Endothelial RAF1/ERK activation regulates arterial morphogenesis. <i>Blood</i> , <b>2013</b> , 121, 3988-96, S1-9	2.2	50
273	Endothelial ERK signaling controls lymphatic fate specification. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 1202-15	15.9	92
272	NO triggers RGS4 degradation to coordinate angiogenesis and cardiomyocyte growth. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 1718-31	15.9	59
271	Transmembrane protein ESDN promotes endothelial VEGF signaling and regulates angiogenesis. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 5082-97	15.9	35

270	FGF regulates TGF- $\beta$ signaling and endothelial-to-mesenchymal transition via control of let-7 miRNA expression. <i>Cell Reports</i> , <b>2012</b> , 2, 1684-96	10.6	219
269	Vascular adaptation to a dysfunctional endothelium as a consequence of Shb deficiency. <i>Angiogenesis</i> , <b>2012</b> , 15, 469-80	10.6	15
268	ALK1 signaling inhibits angiogenesis by cooperating with the Notch pathway. <i>Developmental Cell</i> , <b>2012</b> , 22, 489-500	10.2	267
267	An inside view: VEGF receptor trafficking and signaling. <i>Physiology</i> , <b>2012</b> , 27, 213-22	9.8	91
266	Heterogeneity among RIP-Tag2 insulinomas allows vascular endothelial growth factor-A independent tumor expansion as revealed by studies in Shb mutant mice: implications for tumor angiogenesis. <i>Molecular Oncology</i> , <b>2012</b> , 6, 333-46	7.9	15
265	Fibroblast growth factor signaling potentiates VE-cadherin stability at adherens junctions by regulating SHP2. <i>PLoS ONE</i> , <b>2012</b> , 7, e37600	3.7	47
264	VEGF signaling inside vascular endothelial cells and beyond. <i>Current Opinion in Cell Biology</i> , <b>2012</b> , 24, 188-93	9	178
263	Endothelial nuclear factor- $\kappa$ B-dependent regulation of arteriogenesis and branching. <i>Circulation</i> , <b>2012</b> , 126, 2589-600	16.7	54
262	Lymphatics thrive on stress: mechanical force in lymphatic development. <i>EMBO Journal</i> , <b>2012</b> , 31, 781-2	13	4
261	Syndecan 4 regulates FGFR1 signaling in endothelial cells by directing macropinocytosis. <i>Science Signaling</i> , <b>2012</b> , 5, ra36	8.8	58
260	Endothelial deletion of murine Jag1 leads to valve calcification and congenital heart defects associated with Alagille syndrome. <i>Development (Cambridge)</i> , <b>2012</b> , 139, 4449-60	6.6	80
259	Fibroblast growth factor-2 is required for vasa vasorum plexus stability in hypercholesterolemic mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2012</b> , 32, 2644-51	9.4	17
258	Macrophage skewing by Phd2 haploinsufficiency prevents ischaemia by inducing arteriogenesis. <i>Nature</i> , <b>2011</b> , 479, 122-6	50.4	237
257	Challenging the surgical rodent hindlimb ischemia model with the miniinterventional technique. <i>Journal of Vascular and Interventional Radiology</i> , <b>2011</b> , 22, 1437-46	2.4	9
256	Endothelial-derived angiocrine signals induce and sustain regenerative lung alveolarization. <i>Cell</i> , <b>2011</b> , 147, 539-53	56.2	341
255	FGF-dependent regulation of VEGF receptor 2 expression in mice. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 2668-78	15.9	133
254	Phosphorylation of VE-cadherin controls endothelial phenotypes via p120-catenin coupling and Rac1 activation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2011</b> , 300, H162-72	5.2	62
253	Development and application of a multimodal contrast agent for SPECT/CT hybrid imaging. <i>Bioconjugate Chemistry</i> , <b>2011</b> , 22, 1784-92	6.3	47

252	Antiangiogenic activity of rPAI-1(23) promotes vasa vasorum regression in hypercholesterolemic mice through a plasmin-dependent mechanism. <i>Circulation Research</i> , <b>2011</b> , 108, 1419-28	15.7	19
251	FGF-VEGF crosstalk regulating vascular integrity and angiogenesis. <i>FASEB Journal</i> , <b>2011</b> , 25, 1091.5	0.9	1
250	Cell communications in the heart. <i>Circulation</i> , <b>2010</b> , 122, 928-37	16.7	186
249	Auxiliary and autonomous proteoglycan signaling networks. <i>Methods in Enzymology</i> , <b>2010</b> , 480, 3-31	1.7	14
248	VEGF receptor 2 endocytic trafficking regulates arterial morphogenesis. <i>Developmental Cell</i> , <b>2010</b> , 18, 713-24	10.2	188
247	Role of synectin in lymphatic development in zebrafish and frogs. <i>Blood</i> , <b>2010</b> , 116, 3356-66	2.2	33
246	Embryonic coronary vasculogenesis and angiogenesis are regulated by interactions between multiple FGFs and VEGF and are influenced by mesenchymal stem cells. <i>Developmental Dynamics</i> , <b>2010</b> , 239, 3182-91	2.9	22
245	Micro computed tomography for vascular exploration. <i>Journal of Angiogenesis Research</i> , <b>2010</b> , 2, 7		82
244	ERK1/2-Akt1 crosstalk regulates arteriogenesis in mice and zebrafish. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 1217-28	15.9	110
243	FGF regulation of myocardial integrity and angiogenesis. <i>FASEB Journal</i> , <b>2010</b> , 24, 180.1	0.9	
242	Aging-induced collateral impairment: role of arterial rarefaction, decreased eNOS expression/signaling, and increased susceptibility of endothelial cells to apoptosis. <i>FASEB Journal</i> , <b>2010</b> , 24, 294.3	0.9	
241	Targeting GIPC/synectin in pancreatic cancer inhibits tumor growth. <i>Clinical Cancer Research</i> , <b>2009</b> , 15, 4095-103	12.9	34
240	FRS2 via fibroblast growth factor receptor 1 is required for platelet-derived growth factor receptor beta-mediated regulation of vascular smooth muscle marker gene expression. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 15980-92	5.4	36
239	Suppression of RhoG activity is mediated by a syndecan 4-synectin-RhoGDI1 complex and is reversed by PKCalpha in a Rac1 activation pathway. <i>Journal of Cell Biology</i> , <b>2009</b> , 186, 75-83	7.3	75
238	VEGF and restenosis: the rest of the story. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2009</b> , 29, 439-40	9.4	12
237	Branching morphogenesis. <i>Circulation Research</i> , <b>2009</b> , 104, e21	15.7	15
236	Syndecan-4 mediates macrophage uptake of group V secretory phospholipase A2-modified LDL. <i>Journal of Lipid Research</i> , <b>2009</b> , 50, 641-50	6.3	39
235	The antiangiogenic activity of rPAI-1(23) inhibits vasa vasorum and growth of atherosclerotic plaque. <i>Circulation Research</i> , <b>2009</b> , 104, 337-45	15.7	61



234	Abnormalities in the regulators of angiogenesis in patients with scleroderma. <i>Journal of Rheumatology</i> , <b>2009</b> , 36, 576-82	4.1	82
233	Diabetic monocyte and vascular endothelial growth factor signaling impairment. <i>Circulation</i> , <b>2009</b> , 120, 104-5	16.7	51
232	Endothelium as master regulator of organ development and growth. <i>Vascular Pharmacology</i> , <b>2009</b> , 50, 1-7	5.9	31
231	Synectin-dependent regulation of arterial maturation. <i>Developmental Dynamics</i> , <b>2009</b> , 238, 604-10	2.9	9
230	Regulation of vascular integrity. <i>Journal of Molecular Medicine</i> , <b>2009</b> , 87, 571-82	5.5	70
229	Cleavage of syndecan-4 by ADAMTS1 provokes defects in adhesion. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2009</b> , 41, 800-10	5.6	58
228	Heterozygous deficiency of PHD2 restores tumor oxygenation and inhibits metastasis via endothelial normalization. <i>Cell</i> , <b>2009</b> , 136, 839-851	56.2	642
227	Endothelium-driven myocardial growth or nitric oxide at the crossroads. <i>Trends in Cardiovascular Medicine</i> , <b>2008</b> , 18, 299-305	6.9	20
226	Stem cell therapies in cardiovascular disease A "realistic" appraisal. <i>Drug Discovery Today: Therapeutic Strategies</i> , <b>2008</b> , 5, 73-78		3
225	Syndecan-4 regulates subcellular localization of mTOR Complex2 and Akt activation in a PKCalpha-dependent manner in endothelial cells. <i>Molecular Cell</i> , <b>2008</b> , 32, 140-9	17.6	92
224	Molecular basis for proline- and arginine-rich peptide inhibition of proteasome. <i>Journal of Molecular Biology</i> , <b>2008</b> , 384, 219-27	6.5	46
223	Vascular disease in scleroderma: angiogenesis and vascular repair. <i>Rheumatic Disease Clinics of North America</i> , <b>2008</b> , 34, 73-9; vi	2.4	26
222	Non-canonical fibroblast growth factor signalling in angiogenesis. <i>Cardiovascular Research</i> , <b>2008</b> , 78, 223-31	9.9	76
221	Neuropilin-1-VEGFR-2 complexing requires the PDZ-binding domain of neuropilin-1. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 25110-25114	5.4	105
220	Branching morphogenesis. <i>Circulation Research</i> , <b>2008</b> , 103, 784-95	15.7	131
219	Results of a double-blind, placebo-controlled study to assess the safety of intramuscular injection of hepatocyte growth factor plasmid to improve limb perfusion in patients with critical limb ischemia. <i>Circulation</i> , <b>2008</b> , 118, 58-65	16.7	242
218	Acceleration of cardiovascular disease by a dysfunctional prostacyclin receptor mutation: potential implications for cyclooxygenase-2 inhibition. <i>Circulation Research</i> , <b>2008</b> , 102, 986-93	15.7	95
217	Vascular endothelial growth factor and semaphorin induce neuropilin-1 endocytosis via separate pathways. <i>Circulation Research</i> , <b>2008</b> , 103, e71-9	15.7	87

216	Chapter 14. Assessment of arteriogenesis. <i>Methods in Enzymology</i> , <b>2008</b> , 445, 331-42	1.7	6
215	Fibroblast growth factor regulation of neovascularization. <i>Current Opinion in Hematology</i> , <b>2008</b> , 15, 215-20	3.9	210
214	Reduced-dose fibrinolytic acceleration of ST-segment elevation myocardial infarction treatment coupled with urgent percutaneous coronary intervention compared to primary percutaneous coronary intervention alone results of the AMICO (Alliance for Myocardial Infarction Care Optimization) Registry. <i>JACC: Cardiovascular Interventions</i> , <b>2008</b> , 1, 504-10	5	29
213	The FGF system has a key role in regulating vascular integrity. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 3355-66	15.9	230
212	Journeys in Coronary Angiogenesis <b>2008</b> , 561-573		
211	FGF mediates maintenance of vascular integrity in a Csk dependent manner. <i>FASEB Journal</i> , <b>2008</b> , 22, 329.5	0.9	
210	Arterial branching morphogenesis. <i>FASEB Journal</i> , <b>2008</b> , 22, 520.1	0.9	
209	Antiangiogenic plasma activity in patients with systemic sclerosis. <i>Arthritis and Rheumatism</i> , <b>2007</b> , 56, 3448-58		49
208	Synectin/syndecan-4 regulate coronary arteriolar growth during development. <i>Developmental Dynamics</i> , <b>2007</b> , 236, 2004-10	2.9	22
207	Progress and prospects: gene therapy clinical trials (part 1). <i>Gene Therapy</i> , <b>2007</b> , 14, 1439-47	4	94
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