

CITATION REPORT

List of articles citing

Cellular and molecular mechanisms of vascular lumen forma

DOI: 10.1016/j.devcel.2009.01.013
Developmental Cell, 2009, 16, 222-31.

Source: <https://exaly.com/paper-pdf/46665160/citation-report.pdf>

Version: 2024-04-10

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
319	Development. AortaB cardinal secret. 2009 , 326, 242-3		3
318	MT1-MMP- and Cdc42-dependent signaling co-regulate cell invasion and tunnel formation in 3D collagen matrices. 2009 , 122, 4558-69		84
317	Formation of endothelial lumens requires a coordinated PKCepsilon-, Src-, Pak- and Raf-kinase-dependent signaling cascade downstream of Cdc42 activation. 2009 , 122, 1812-22		74
316	Investigating endothelial invasion and sprouting behavior in three-dimensional collagen matrices. 2009 , 4, 1888-98		80
315	Angiogenesis: a team effort coordinated by notch. <i>Developmental Cell</i> , 2009 , 16, 196-208	10.2	613
314	More than a pipe dream: uncovering mechanisms of vascular lumen formation. <i>Developmental Cell</i> , 2009 , 17, 435-7	10.2	3
313	The fabulous destiny of the Drosophila heart. 2009 , 19, 518-25		46
312	Current world literature. 2010 , 17, 252-69		
311	Endothelial lumen signaling complexes control 3D matrix-specific tubulogenesis through interdependent Cdc42- and MT1-MMP-mediated events. 2010 , 115, 5259-69		106
310	Pleiotropic roles of matrix metalloproteinases in tumor angiogenesis: contrasting, overlapping and compensatory functions. 2010 , 1803, 103-20		171
309	Vascular endothelial growth factor and substrate mechanics regulate in vitro tubulogenesis of endothelial progenitor cells. 2010 , 14, 2436-47		103
308	Recent insights into cerebral cavernous malformations: a complex jigsaw puzzle under construction. 2010 , 277, 1084-96		86
307	Preparation of retinal explant cultures to study ex vivo tip endothelial cell responses. 2010 , 5, 1659-65		65
306	Targeting the tumour vasculature: insights from physiological angiogenesis. 2010 , 10, 505-14		542
305	CCM1 regulates vascular-lumen organization by inducing endothelial polarity. 2010 , 123, 1073-80		140
304	Annexin 2 regulates endothelial morphogenesis by controlling AKT activation and junctional integrity. 2010 , 285, 40624-34		38
303	Vascular development: genetic mechanisms and links to vascular disease. 2010 , 90, 43-72		49

302	Mechanisms of ocular angiogenesis and its molecular mediators. 2010 , 46, 4-20		49
301	The development of the vasculature and its extracellular matrix: a gradual process defined by sequential cellular and matrix remodeling events. 2010 , 299, H245-7		8
300	Beta1 integrin establishes endothelial cell polarity and arteriolar lumen formation via a Par3-dependent mechanism. <i>Developmental Cell</i> , 2010 , 18, 39-51	10.2	199
299	Capillary Fluid Exchange: Regulation, Functions, and Pathology. 2010 , 2, 1-94		54
298	Biomimetic hydrogels with immobilized ephrinA1 for therapeutic angiogenesis. 2011 , 12, 2715-22		62
297	Molecular basis for endothelial lumen formation and tubulogenesis during vasculogenesis and angiogenic sprouting. 2011 , 288, 101-65		135
296	Uses of the in vitro endothelial-fibroblast organotypic co-culture assay in angiogenesis research. 2011 , 39, 1597-600		43
295	Biophysical Regulation of Vascular Differentiation and Assembly. 2011 ,		
294	Extracellular Matrix Degradation. 2011 ,		6
293	Basic and therapeutic aspects of angiogenesis. 2011 , 146, 873-87		1836
292	Blood vessel tubulogenesis requires Rasip1 regulation of GTPase signaling. <i>Developmental Cell</i> , 2011 , 20, 526-39	10.2	122
291	LUMENating blood vessels. <i>Developmental Cell</i> , 2011 , 20, 412-4	10.2	3
290	Cdc42-mediated inhibition of GSK-3 β improves angio-architecture and lumen formation during VEGF-driven pathological angiogenesis. 2011 , 81, 34-43		30
289	Tubulogenesis during blood vessel formation. 2011 , 22, 993-1004		58
288	Regulation of blood vessel sprouting. 2011 , 22, 1005-11		56
287	Developmental and pathological angiogenesis. 2011 , 27, 563-84		523
286	Vascular growth in health and disease. 2011 , 4, 14		39
285	RhoJ is an endothelial cell-restricted Rho GTPase that mediates vascular morphogenesis and is regulated by the transcription factor ERG. 2011 , 118, 1145-53		62

284	Lysyl oxidase-like protein-2 regulates sprouting angiogenesis and type IV collagen assembly in the endothelial basement membrane. 2011 , 118, 3979-89	137
283	Hip hop moves of inosculating endothelium. 2011 , 118, 4507-8	
282	Ups and downs of guided vessel sprouting: the role of polarity. 2011 , 26, 326-33	29
281	Molecular control of endothelial cell behaviour during blood vessel morphogenesis. 2011 , 12, 551-64	676
280	Molecular mechanisms and clinical applications of angiogenesis. 2011 , 473, 298-307	3534
279	Endothelial cell hyperproliferation and stratification in uteroplacental blood vessels of the black mastiff bat, <i>Molossus rufus</i> . 2011 , 32, 633-644	
278	Molecular regulation of lumen morphogenesis. 2011 , 21, R126-36	173
277	The VEGF/Rho GTPase signalling pathway: a promising target for anti-angiogenic/anti-invasion therapy. 2011 , 16, 219-28	56
276	The angiogenic process as a therapeutic target in cancer. 2011 , 81, 1183-91	66
275	Dll4-Notch signaling as a therapeutic target in tumor angiogenesis. 2011 , 3, 20	94
274	Digging deeper into lymphatic vessel formation in vitro and in vivo. 2011 , 12, 29	24
273	Angiogenesis. 2011 , 3, a005090	207
272	Notch and Ras promote sequential steps of excretory tube development in <i>C. elegans</i> . 2011 , 138, 3545-55	36
271	Role of the cytoskeleton in formation and maintenance of angiogenic sprouts. 2011 , 48, 369-85	69
270	Alteration of developmental and pathological retinal angiogenesis in angptl4-deficient mice. 2011 , 286, 36841-51	54
269	Notch regulation of tumor angiogenesis. 2011 , 7, 569-88	48
268	VEGF-directed blood vessel patterning: from cells to organism. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2012 , 2, a006452	5-4 55
267	Cerebral cavernous malformations: from molecular pathogenesis to genetic counselling and clinical management. 2012 , 20, 134-40	51

266	Recent advances in vascular development. 2012 , 19, 176-83		22
265	The role of extracellular matrix in vascular branching morphogenesis. 2012 , 6, 528-34		21
264	Sonic Hedgehog-activated engineered blood vessels enhance bone tissue formation. 2012 , 109, 4413-8		50
263	Tips, stalks, tubes: notch-mediated cell fate determination and mechanisms of tubulogenesis during angiogenesis. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2012 , 2, a006601	5-4	83
262	Correlation of perfusion parameters with genes related to angiogenesis regulation in glioblastoma: a feasibility study. 2012 , 33, 1343-8		39
261	Human endothelial progenitor cells. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2012 , 2, a006692	5-4	270
260	Stem Cells and Cancer Stem Cells, Volume 2. 2012 ,		
259	How blood vessel networks are made and measured. 2012 , 195, 94-107		33
258	Molecular and Translational Vascular Medicine. 2012 ,		
257	Intussusceptive angiogenesis: a biologically relevant form of angiogenesis. 2012 , 49, 390-404		119
256	Molecular mechanisms controlling vascular lumen formation in three-dimensional extracellular matrices. 2012 , 195, 122-43		69
255	Integration of experimental and computational approaches to sprouting angiogenesis. 2012 , 19, 184-91		27
254	Eyeing central neurons in vascular growth and reparative angiogenesis. 2012 , 120, 2182-94		74
253	"Sprouting angiogenesis", a reappraisal. <i>Developmental Biology</i> , 2012 , 372, 157-65	3-1	202
252	Nascent vessel elongation rate is inversely related to diameter in in vitro angiogenesis. 2012 , 4, 1081-9		15
251	Anastomosis of endothelial sprouts forms new vessels in a tissue analogue of angiogenesis. 2012 , 4, 857-62		74
250	Focal adhesion kinase regulation of neovascularization. 2012 , 83, 64-70		24
249	Metalloproteinases facilitate connection of wound bed vessels to pre-existing skin graft vasculature. 2012 , 84, 16-23		6

248	Endothelial cell-pericyte interactions stimulate basement membrane matrix assembly: influence on vascular tube remodeling, maturation, and stabilization. 2012 , 18, 68-80	147
247	PI3K signaling in the regulation of branching morphogenesis. 2012 , 109, 403-11	12
246	Utilizing sphingosine-1-phosphate to stimulate sprouting angiogenesis. 2012 , 874, 201-13	3
245	Exercise training and peripheral arterial disease. 2012 , 2, 2933-3017	85
244	An apical actin-rich domain drives the establishment of cell polarity during cell adhesion. 2012 , 138, 419-33	15
243	Integrin-mediated cell-matrix interaction in physiological and pathological blood vessel formation. 2012 , 2012, 125278	24
242	Human-on-a-chip developments: a translational cutting-edge alternative to systemic safety assessment and efficiency evaluation of substances in laboratory animals and man?. 2012 , 40, 235-57	126
241	Spatial control of cell-mediated degradation to regulate vasculogenesis and angiogenesis in hyaluronan hydrogels. 2012 , 33, 6123-31	109
240	New functions of the fibrinolytic system in bone marrow cell-derived angiogenesis. 2012 , 95, 131-7	16
239	Formation of microvascular networks in vitro. 2013 , 8, 1820-36	149
238	PP2A regulatory subunit B β controls endothelial contractility and vessel lumen integrity via regulation of HDAC7. 2013 , 32, 2491-503	29
237	VEGF and Notch in tip and stalk cell selection. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2013 , 3, a006569	311
236	Tubulogenesis. 2013 , 140, 2851-5	66
235	Microcompartments in the Drosophila heart and the mammalian brain: general features and common principles. 2013 , 394, 217-30	11
234	Tubulogenesis in a simple cell cord requires the formation of bi-apical cells through two discrete Par domains. 2013 , 140, 2985-96	34
233	The zebrafish common cardinal veins develop by a novel mechanism: lumen ensheathment. 2013 , 140, 2776-86	78
232	Neovascularization and hematopoietic stem cells. 2013 , 67, 235-45	17
231	Cell and Gene Transfer Strategies for Vascularization During Skin Wound Healing. 2013 , 637-695	3

230	Polarizing pathways: balancing endothelial polarity, permeability, and lumen formation. 2013 , 319, 1247-54	32
229	Understanding vascular development. 2013 , 2, 327-46	76
228	The Fluid Mechanics of Cancer and Its Therapy. 2013 , 45, 325-355	90
227	Flt-1 (vascular endothelial growth factor receptor-1) is essential for the vascular endothelial growth factor-Notch feedback loop during angiogenesis. 2013 , 33, 1952-9	27
226	Endothelial tip cells in ocular angiogenesis: potential target for anti-angiogenesis therapy. 2013 , 61, 101-15	61
225	Integration of signaling and cytoskeletal remodeling by Nck in directional cell migration. 2013 , 3, 57-63	20
224	Essential role of SH3-domain GRB2-like 3 for vascular lumen maintenance in zebrafish. 2013 , 33, 1280-6	2
223	Sustainable three-dimensional tissue model of human adipose tissue. 2013 , 19, 745-54	51
222	Immobilization of Cell-Adhesive Laminin Peptides in Degradable PEGDA Hydrogels Influences Endothelial Cell Tubulogenesis. 2013 , 2, 241-9	82
221	Collagen-polymer guidance of vessel network formation and stabilization by endothelial colony forming cells in vitro. 2013 , 13, 1135-49	28
220	Proteomic profiling of endothelial invasion revealed receptor for activated C kinase 1 (RACK1) complexed with vimentin to regulate focal adhesion kinase (FAK). 2013 , 288, 30720-30733	27
219	Polarity, cell division, and out-of-equilibrium dynamics control the growth of epithelial structures. 2013 , 203, 359-72	36
218	Biomimetic model to reconstitute angiogenic sprouting morphogenesis in vitro. 2013 , 110, 6712-7	335
217	Endosomes derived from clathrin-independent endocytosis serve as precursors for endothelial lumen formation. 2013 , 8, e81987	3
216	Hematopoietic stem cell cytokines and fibroblast growth factor-2 stimulate human endothelial cell-pericyte tube co-assembly in 3D fibrin matrices under serum-free defined conditions. 2013 , 8, e85147	32
215	Cardiovascular System. 2014 , 408-452	2
214	Understanding the role of Notch in osteosarcoma. 2014 , 804, 67-92	30
213	Synergy of cell-cell repulsion and vacuolation in a computational model of lumen formation. 2014 , 11, 20131049	20

212	Interferon-induced transmembrane protein 1 regulates endothelial lumen formation during angiogenesis. 2014 , 34, 1011-9		25
211	Renal Vascular Disease. 2014 ,		1
210	ADAMTS-4 and biglycan are expressed at high levels and co-localize to podosomes during endothelial cell tubulogenesis in vitro. 2014 , 62, 34-49		14
209	Borg5 is required for angiogenesis by regulating persistent directional migration of the cardiac microvascular endothelial cells. 2014 , 25, 841-51		21
208	Angiogenesis in zebrafish. 2014 , 31, 106-14		87
207	Endothelial cells expressing low levels of CD143 (ACE) exhibit enhanced sprouting and potency in relieving tissue ischemia. 2014 , 17, 617-30		13
206	Angiopoietin-like protein 2 regulates endothelial colony forming cell vasculogenesis. 2014 , 17, 675-83		15
205	Angiogenic sprouting is regulated by endothelial cell expression of Slug. 2014 , 127, 2017-28		66
204	Endothelial signaling and the molecular basis of arteriovenous malformation. 2013 , 71, 867		22
203	Multiple endothelial cells constitute the tip of developing blood vessels and polarize to promote lumen formation. 2014 , 141, 4121-6		25
202	Harnessing developmental processes for vascular engineering and regeneration. 2014 , 141, 2760-9		49
201	Leukocyte driven-decidual angiogenesis in early pregnancy. 2014 , 11, 522-37		74
200	Polarized exocyst-mediated vesicle fusion directs intracellular lumenogenesis within the C. elegans excretory cell. <i>Developmental Biology</i> , 2014 , 394, 110-21	3.1	40
199	AmotL2 links VE-cadherin to contractile actin fibres necessary for aortic lumen expansion. 2014 , 5, 3743		39
198	Intussusceptive angiogenesis: expansion and remodeling of microvascular networks. 2014 , 17, 499-509		115
197	Generation of Multi-Scale Vascular Network System within 3D Hydrogel using 3D Bio-Printing Technology. 2014 , 7, 460-472		241
196	Creating perfused functional vascular channels using 3D bio-printing technology. 2014 , 35, 8092-102		343
195	Current Advances in Osteosarcoma. 2014 ,		7

194	Vimentin as an integral regulator of cell adhesion and endothelial sprouting. 2014 , 21, 333-44	104
193	Perlecan Diversely Regulates the Migration and Proliferation of Distinct Cell Types in vitro. 2015 , 200, 374-93	13
192	"You Shall Not Pass"-tight junctions of the blood brain barrier. 2014 , 8, 392	135
191	The alternative splicing factor Nova2 regulates vascular development and lumen formation. 2015 , 6, 8479	37
190	Human microvascular endothelial cells displaying reduced angiogenesis and increased uptake of lipids during in vitro culture. 2015 , 61, 367-83	2
189	Inhibition of the Notch Pathway Promotes Flap Survival by Inducing Functional Neoangiogenesis. 2015 , 75, 455-62	10
188	Defective pericyte recruitment of villous stromal vessels as the possible etiologic cause of hydropic change in complete hydatidiform mole. 2015 , 10, e0122266	4
187	[Tumor angiogenesis: when the Tree of Life turns bad]. 2015 , 31, 989-95	3
186	Activation of Apoptotic Signal in Endothelial Cells through Intracellular Signaling Molecules Blockade in Tumor-Induced Angiogenesis. 2015 , 2015, 908757	
185	Blood and lymphatic vessel formation. 2015 , 7, a008268	28
184	State-of-the-Art Methods for Evaluation of Angiogenesis and Tissue Vascularization: A Scientific Statement From the American Heart Association. 2015 , 116, e99-132	90
183	A Rac/Cdc42 exchange factor complex promotes formation of lateral filopodia and blood vessel lumen morphogenesis. 2015 , 6, 7286	45
182	Regulation of epithelial cell polarity by PAR-3 depends on Girdin transcription and Girdin-G β signaling. 2015 , 128, 2244-58	26
181	Cell Polarity 1. 2015 ,	3
180	Vascular actions of 20-HETE. 2015 , 120, 9-16	85
179	VEGF and Notch Signaling in Angiogenesis. 2015 , 3-46	1
178	Endothelial RhoGEFs: A systematic analysis of their expression profiles in VEGF-stimulated and tumor endothelial cells. 2015 , 74, 60-72	33
177	Single-cell analysis of endothelial morphogenesis in vivo. 2015 , 142, 2951-61	37

176	The molecular regulation of arteriovenous specification and maintenance. 2015 , 244, 391-409	91
175	The Formin FMNL3 Controls Early Apical Specification in Endothelial Cells by Regulating the Polarized Trafficking of Podocalyxin. 2015 , 25, 2325-31	24
174	Primary Human Lung Pericytes Support and Stabilize In Vitro Perfusable Microvessels. 2015 , 21, 2166-76	34
173	Molecular control of capillary morphogenesis and maturation by recognition and remodeling of the extracellular matrix: functional roles of endothelial cells and pericytes in health and disease. 2015 , 56, 392-402	36
172	Actin remodeling by Nck regulates endothelial lumen formation. 2015 , 26, 3047-60	11
171	Self-assembly of prevascular tissues from endothelial and fibroblast cells under scaffold-free, nonadherent conditions. 2015 , 21, 277-87	13
170	Engineering a vascularized collagen-β-tricalcium phosphate graft using an electrochemical approach. 2015 , 11, 449-58	43
169	Vasculogenesis and Angiogenesis. 2016 , 49-65	9
168	Connexin-Based Therapeutics and Tissue Engineering Approaches to the Amelioration of Chronic Pancreatitis and Type I Diabetes: Construction and Characterization of a Novel Prevascularized Bioartificial Pancreas. 2016 , 2016, 7262680	6
167	The Caenorhabditis elegans Excretory System: A Model for Tubulogenesis, Cell Fate Specification, and Plasticity. 2016 , 203, 35-63	38
166	VE-cadherin interacts with cell polarity protein Pals1 to regulate vascular lumen formation. 2016 , 27, 2811-21	18
165	Molecular Signaling Pathways Controlling Vascular Tube Morphogenesis and Pericyte-Induced Tube Maturation in 3D Extracellular Matrices. 2016 , 77, 241-80	17
164	Rasip1-Mediated Rho GTPase Signaling Regulates Blood Vessel Tubulogenesis via Nonmuscle Myosin II. 2016 , 119, 810-26	28
163	PPFIA1 drives active β1 integrin recycling and controls fibronectin fibrillogenesis and vascular morphogenesis. 2016 , 7, 13546	54
162	Hic-5 mediates the initiation of endothelial sprouting by regulating a key surface metalloproteinase. 2016 , 129, 743-56	13
161	Vascularization and Angiogenesis in Tissue Engineering: Beyond Creating Static Networks. 2016 , 34, 733-745	364
160	Extracellular matrix scaffolding guides lumen elongation by inducing anisotropic intercellular mechanical tension. 2016 , 18, 311-8	51
159	Blood flow and endothelial cell phenotype regulation during sprouting angiogenesis. 2016 , 54, 547-58	12

158	Tubulogenesis of co-cultured human iPS-derived endothelial cells and human mesenchymal stem cells in fibrin and gelatin methacrylate gels. 2017 , 5, 1652-1660	30
157	The signalling receptor MCAM coordinates apical-basal polarity and planar cell polarity during morphogenesis. 2017 , 8, 15279	10
156	Vascular Cells in Blood Vessel Wall Development and Disease. 2017 , 78, 323-350	48
155	Chronological Changes in Tip Cells during Sprouting Angiogenesis of Development of the Retinal Vasculature in Newborn Mice. 2017 , 42, 1511-1517	
154	Curvature and Rho activation differentially control the alignment of cells and stress fibers. 2017 , 3, e1700150	40
153	Endothelium-derived fibronectin regulates neonatal vascular morphogenesis in an autocrine fashion. 2017 , 20, 519-531	35
152	Guidance molecules and chemokines in angiogenesis and vascular remodeling. 2017 , 53, 349-367	3
151	Molecular Regulation of Sprouting Angiogenesis. 2017 , 8, 153-235	29
150	Collateral Damage Intended-Cancer-Associated Fibroblasts and Vasculature Are Potential Targets in Cancer Therapy. 2017 , 18,	23
149	G Protein-Coupled Receptors at the Crossroad between Physiologic and Pathologic Angiogenesis: Old Paradigms and Emerging Concepts. 2017 , 18,	21
148	Relationships of growth factors, proinflammatory cytokines, and anti-inflammatory cytokines with long-term clinical results of autologous bone marrow mononuclear cell transplantation in STEMI. 2017 , 12, e0176900	2
147	Src- and Fyn-dependent apical membrane trafficking events control endothelial lumen formation during vascular tube morphogenesis. 2017 , 12, e0184461	10
146	A multi-step transcriptional cascade underlies vascular regeneration in vivo. 2018 , 8, 5430	5
145	Mouse Metanephric Mesenchymal Cell-Derived Angioblasts Undergo Vasculogenesis in Three-Dimensional Culture. 2018 , 188, 768-784	0
144	Retinal energy demands control vascular supply of the retina in development and disease: The role of neuronal lipid and glucose metabolism. 2018 , 64, 131-156	56
143	Intermedin Enlarges the Vascular Lumen by Inducing the Quiescent Endothelial Cell Proliferation. 2018 , 38, 398-413	17
142	The Warburg Effect in Endothelial Cells and its Potential as an Anti-angiogenic Target in Cancer. 2018 , 6, 100	54
141	Evaluation and Characterization of Endothelial Cell Invasion and Sprouting Behavior. 2018 , 1846, 249-259	3

140	Lymphangiogenesis. 2018 ,	2
139	Hippo-YAP/TAZ signaling in angiogenesis. 2018 , 51, 157-162	33
138	Angiogenesis and vascular stability in eicosanoids and cancer. 2018 , 37, 425-438	13
137	Collagen Fiber Orientation Regulates 3D Vascular Network Formation and Alignment. 2018 , 4, 2967-2976	26
136	Gene-Therapeutic Strategies Targeting Angiogenesis in Peripheral Artery Disease. 2018 , 5,	12
135	Tubular Excretory Canal Structure Depends on Intermediate Filaments EXC-2 and IFA-4 in. 2018 , 210, 637-652	9
134	Angiogenic Factors produced by Hypoxic Cells are a leading driver of Anastomoses in Sprouting Angiogenesis-a computational study. 2018 , 8, 8726	23
133	Endothelial Progenitor Cells and Their Niches. 2019 , 423-423	
132	Single-Cell Transcriptional Profiling of Aortic Endothelium Identifies a Hierarchy from Endovascular Progenitors to Differentiated Cells. 2019 , 27, 2748-2758.e3	52
131	Application of microscale culture technologies for studying lymphatic vessel biology. 2019 , 26, e12547	10
130	Tissue Engineering in Oral and Maxillofacial Surgery. 2019 ,	
129	Blood-Brain Barrier: From Physiology to Disease and Back. 2019 , 99, 21-78	647
128	Short-term hypoxia promotes vascularization in co-culture system consisting of primary human osteoblasts and outgrowth endothelial cells. 2020 , 108, 7-18	14
127	Proinflammatory Mediators, IL (Interleukin)-1 β TNF (Tumor Necrosis Factor) β and Thrombin Directly Induce Capillary Tube Regression. 2020 , 40, 365-377	20
126	Hydrogel Network Dynamics Regulate Vascular Morphogenesis. 2020 , 27, 798-812.e6	27
125	Human in vitro vascularized micro-organ and micro-tumor models are reproducible organ-on-a-chip platforms for studies of anticancer drugs. 2020 , 445, 152601	10
124	Microchannel Molding Combined with Layer-by-Layer Approach for the Formation of Three-Dimensional Tube-like Structures by Endothelial Cells.. 2020 , 3, 1520-1532	1
123	Vessel Formation Through Cross-Talk of Blood-Derived Cells and Mesenchymal Stromal Cells in the Absence of Pre-existing Vascular Structures. 2020 , 8, 602210	2

122	Redundant Trojan horse and endothelial-circulatory mechanisms for host-mediated spread of <i>Candida albicans</i> yeast. 2020 , 16, e1008414	6
121	Excess centrosomes disrupt vascular lumenization and endothelial cell adherens junctions. 2020 , 23, 567-575	14
120	Pericytes in Vascular Development. 2020 , 1, 143-154	3
119	Biomaterials for Bioprinting Microvasculature. 2020 , 120, 10887-10949	25
118	Signalling through cerebral cavernous malformation protein networks. 2020 , 10, 200263	6
117	Dynamic Hydrogels for Investigating Vascularization. 2020 , 27, 697-698	1
116	Polymer Hydrogels to Guide Organotypic and Organoid Cultures. 2020 , 30, 2000097	28
115	Perfluorooctanoic acid (PFOA) enhances NOTCH-signaling in an angiogenesis model of placental trophoblast cells. 2020 , 229, 113566	7
114	Control of endothelial tubulogenesis by Rab and Ral GTPases, and apical targeting of caveolin-1-labeled vacuoles. 2020 , 15, e0235116	7
113	An injectable, self-assembled multicellular microsphere with the incorporation of fibroblast-derived extracellular matrix for therapeutic angiogenesis. 2020 , 113, 110961	3
112	Sprouting and nonsprouting angiogenesis in tumors. 2020 , 1-13	
111	Scaffold vascularization method using an adipose-derived stem cell (ASC)-seeded scaffold prefabricated with a flow-through pedicle. 2020 , 11, 34	3
110	A hybrid model of tumor growth and angiogenesis: In silico experiments. 2020 , 15, e0231137	20
109	The Integrin Interactome. 2021 ,	
108	Alternative splicing in Alzheimer's disease. 2021 , 33, 747-758	17
107	Comparative analysis of continuum angiogenesis models. 2021 , 82, 21	1
106	Synaptotagmin-like protein 2a regulates lumen formation via Weibel-Palade body apical secretion of angiopoietin-2 during angiogenesis.	1
105	Lung blood and lymphatic vascular development. 2021 , 31-43	2

104	Clinical Application of Novel Therapies for Coronary Angiogenesis: Overview, Challenges, and Prospects. 2021 , 22,	4
103	Regulators of the secretory pathway have distinct inputs into single-celled branching morphogenesis and seamless tube formation in the <i>Drosophila</i> trachea.	
102	Endothelial Insulin Receptors Promote VEGF-A Signaling via ERK1/2 and Sprouting Angiogenesis. 2021 , 162,	3
101	BBLN-1 is essential for intermediate filament organization and apical membrane morphology. 2021 , 31, 2334-2346.e9	2
100	Autocrine Hyaluronan Influences Sprouting and Lumen Formation During HUVEC Tubulogenesis In Vitro. 2021 , 69, 415-428	1
99	Synaptotagmin-Like Protein 2a Regulates Angiogenic Lumen Formation via Weibel-Palade Body Apical Secretion of Angiopoietin-2. 2021 , 41, 1972-1986	5
98	Hypoxia Pathway Proteins and Their Impact on the Blood Vasculature. 2021 , 22,	4
97	An Integrated Smart Sensor Dressing for Real-Time Wound Microenvironment Monitoring and Promoting Angiogenesis and Wound Healing. 2021 , 9, 701525	6
96	Cytoskeletal players in single-cell branching morphogenesis. <i>Developmental Biology</i> , 2021 , 477, 22-34	3.1 2
95	Selective and Marked Blockade of Endothelial Sprouting Behavior Using Paclitaxel and Related Pharmacologic Agents. 2021 , 191, 2245-2264	0
94	Therapeutic Angiogenesis in Regenerative Medicine. 2021 , 79-100	
93	Investigating human vascular tube morphogenesis and maturation using endothelial cell-pericyte co-cultures and a doxycycline-inducible genetic system in 3D extracellular matrices. 2015 , 1189, 171-89	18
92	The Role of Reactive Oxygen Species and Oxidative Signaling in Retinopathy of Prematurity. 2012 , 559-584	4
91	Molecular Regulation of Vasculogenesis and Angiogenesis: Recent Advances and Future Directions. 2012 , 169-206	3
90	Control of vascular tube morphogenesis and maturation in 3D extracellular matrices by endothelial cells and pericytes. 2013 , 1066, 17-28	25
89	Endothelial Cell Polarization During Lumen Formation, Tubulogenesis, and Vessel Maturation in 3D Extracellular Matrices. 2015 , 205-220	3
88	Establishment and Maintenance of Cell Polarity in the <i>C. elegans</i> Intestine. 2015 , 33-65	1
87	Mechanisms of Tumor Angiogenesis. 2019 , 3-31	2

86	The Role of Matrix Metalloproteinases in Cellular Invasion and Metastasis. 2011 , 145-191	2
85	Essentials of Angiogenesis. 2015 , 137-165	1
84	Vascular Molecular Embryology. 2015 , 27-51	3
83	Combinatory action of VEGFR2 and MAP kinase pathways maintains endothelial-cell integrity. 2011 , 21, 1080-7	8
82	Conformationally active integrin endocytosis and traffic: why, where, when and how?. 2020 , 48, 83-93	18
81	Mechanisms of new blood-vessel formation and proliferative heterogeneity of endothelial cells. 2020 , 32, 295-305	36
80	BBLN-1 is essential for intermediate filament organization and apical membrane morphology.	0
79	Evaluating snail-trail frameworks for leader-follower behavior with agent-based modeling. 2020 , 102, 062417	1
78	Hypoxia-induced microRNA-424 expression in human endothelial cells regulates HIF-1 α isoforms and promotes angiogenesis. 2010 , 120, 4141-54	336
77	Notch signaling and taxis mechanisms regulate early stage angiogenesis: A mathematical and computational model. 2020 , 16, e1006919	15
76	Rasa3 controls turnover of endothelial cell adhesion and vascular lumen integrity by a Rap1-dependent mechanism. 2018 , 14, e1007195	7
75	Cdc42 and k-Ras Control Endothelial Tubulogenesis through Apical Membrane and Cytoskeletal Polarization: Novel Stimulatory Roles for GTPase Effectors, the Small GTPases, Rac2 and Rap1b, and Inhibitory Influence of Arhgap31 and Rasa1. 2016 , 11, e0147758	33
74	A novel L1CAM isoform with angiogenic activity generated by NOVA2-mediated alternative splicing. 2019 , 8,	24
73	Molecular Control of Vascular Tube Morphogenesis and Stabilization: Regulation by Extracellular Matrix, Matrix Metalloproteinases, and Endothelial Cell-Pericyte Interactions. 2011 , 17-47	4
72	Ex Vivo Expanded Hematopoietic Stem Cells for Ischemia. 2012 , 219-229	
71	Methodologic Approaches to Investigate Vascular Tube Morphogenesis and Maturation Events in 3D Extracellular Matrices In Vitro and In Vivo. 2012 , 101-126	1
70	VEGF Signaling in Normal and Tumor Angiogenesis. 2013 , 1-36	
69	Endothelial Actin Cytoskeleton and Angiogenesis. 2013 ,	

68 Vascular Genetical Embryology. **2014**, 1-30

67 Essentials of Angiogenesis. **2014**, 1-34

1

66 Vascular Molecular Embryology. **2014**, 1-31

65 Congenital and Inflammatory Arteritides. **2014**, 39-67

64 Blood Vessel Remodeling After Stroke. **2015**, 175-218

63 Early Development of the Vascular System Supplying the Brain. **2015**, 1-22

62 Vascular Genetical Embryology. **2015**, 3-26

61 Collective Cell Migration in Tissue Building. 1-9

60 Mechanisms of Tumor Angiogenesis. **2016**, 1-29

59 Molecular Control of Capillary Tube Morphogenesis and Maturation Through Endothelial Cell-Pericyte Interactions: Regulation by Small GTPase-Mediated Signaling, Kinase Cascades, Extracellular Matrix Remodeling, and Defined Growth Factors. **2018**, 1-36

58 Intermediate filaments EXC-2 and IFA-4 Maintain Luminal Structure of the Tubular Excretory Canals in *Caenorhabditis elegans*.

57 Vascularization in Oral and Maxillofacial Tissue Engineering. **2019**, 97-122

56 Notch signaling and taxis mechanisms regulate early stage angiogenesis: A mathematical and computational model.

55 Molecular and Cellular Mechanisms of Vascular Development. 1-9

54 Excess Centrosomes Disrupt Vascular Lumenization and Endothelial Cell Adherens Junctions.

53 Therapeutic Angiogenesis in Regenerative Medicine. **2020**, 1-22

52 Therapeutic Angiogenesis in Regenerative Medicine. **2020**, 1-22

51 Redundant Trojan horse and endothelial-circulatory mechanisms for host-mediated spread of *Candida albicans* yeast.

0

50 An organotypic in vitro model of matured blood vessels.

49 Tumor Angiogenesis. **2018**, 4, 102

48 Quantifying Polarized Extracellular Matrix Secretion in Cultured Endothelial Cells. **2021**, 2217, 301-311

1

47 Recent advances on bioengineering approaches for fabrication of functional engineered cardiac pumps: A review. **2021**, 280, 121298

7

46 Rab35 Governs Apicobasal Polarity Through Regulation of Actin Dynamics During Sprouting Angiogenesis.

45 Bioprinted microvasculature: progressing from structure to function.. **2022**,

2

44 Endothelial k-RasV12 Expression Induces Capillary Deficiency Attributable to Marked Tube Network Expansion Coupled to Reduced Pericytes and Basement Membranes. **2021**, ATVBAHA121316798

0

43 The Evolution of Biomineralization through the Co-Option of Organic Scaffold Forming Networks.. **2022**, 11,

1

42 pH regulates the lumen diameter of tissue-engineered capillaries.. **2022**, 23, 284

41 Data_Sheet_1.zip. **2020**,

40 Video_1.MP4. **2020**,

39 Video_10.MP4. **2020**,

38 Video_11.MP4. **2020**,

37 Video_12.MP4. **2020**,

36 Video_13.MP4. **2020**,

35 Video_2.MP4. **2020**,

34 Video_3.MP4. **2020**,

33 Video_4.MP4. **2020**,

32 Video_5.MP4. **2020**,

31 Video_6.MP4. **2020**,

30 Video_7.MP4. **2020**,

29 Video_8.MP4. **2020**,

28 Video_9.MP4. **2020**,

27 Human Adipose-Derived Stem Cell-Conditioned Medium Promotes Vascularization of Nanostructured Scaffold Transplanted into Nude Mice.. **2022**, 12,

26 Retinoic acid signaling in mouse retina endothelial cells is required for early angiogenic growth.

25 Flow goes forward and cells step backward: endothelial migration.

o

24 Out to the tissues. **2022**, 89-98

23 Molecular mediators of vasculogenesis and angiogenesis. **2022**, 13-37

22 Lumen formation and perfusion. **2022**, 49-53

21 Network formation. **2022**, 55

20 Endothelial cell in embryology and organogenesis. **2022**, 15-55

19 Extracellular Matrix Regulation of Vascular Morphogenesis, Maturation, and Stabilization. *Cold Spring Harbor Perspectives in Medicine*, a041156

5-4 o

18 Vasculotoxicity of Metal-Based Nanoparticles. **2022**, 401-421

17 Transcriptional drifts associated with environmental changes in endothelial cells.

16 Regulators of the secretory pathway have distinct inputs into single-celled branching morphogenesis and seamless tube formation in the Drosophila trachea. *Developmental Biology*, **2022**,

3-1

15 Molecular basis for pericyte-induced capillary tube network assembly and maturation. 10,

1

- 14 Decoding the mechanism of vascular morphogenesis to explore future prospects in targeted tumor therapy. **2022**, 39, ○
- 13 Outgrowth Endothelial Cell Conditioned Medium Negates TNF- α -Evoked Cerebral Barrier Damage: A Reverse Translational Research to Explore Mechanisms. ○
- 12 Rab35 governs apicobasal polarity through regulation of actin dynamics during sprouting angiogenesis. **2022**, 13, ○
- 11 Molecular and genetic mechanisms in brain arteriovenous malformations: new insights and future perspectives. ○
- 10 Retinoic acid signaling in mouse retina endothelial cells is required for early angiogenic growth. **2023**, 130, 16-27 ○
- 9 Pathophysiology of Neovascular Glaucoma. **2022**, 11-21 ○
- 8 Mechanical regulation of the early stages of angiogenesis. **2022**, 19, ○
- 7 Angiogenesis driven extracellular matrix remodeling of 3D bioprinted vascular networks. **2023**, 30, e00258 ○
- 6 Cell-Laden Scaffolds for Vascular-Innervated Bone Regeneration. 2201923 ○
- 5 Arf6 Regulates Endocytosis and Angiogenesis by Promoting Filamentous Actin Assembly. ○
- 4 Identification of a physiologic vasculogenic fibroblast state to achieve tissue repair. **2023**, 14, ○
- 3 VEGF-Encoding, Gene-Activated Collagen-Based Matrices Promote Blood Vessel Formation and Improved Wound Repair. **2023**, 15, 16434-16447 ○
- 2 Transcriptional drifts associated with environmental changes in endothelial cells. 12, ○
- 1 Fluid Mechanics in Circulating Tumour Cells: Role in Metastasis and Treatment Strategies. **2023**, 100158 ○