

# Scott A Berceli

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8261678/publications.pdf>

Version: 2024-02-01

153  
papers

4,636  
citations

109321

35  
h-index

123424

61  
g-index

155  
all docs

155  
docs citations

155  
times ranked

4157  
citing authors

#	ARTICLE	IF	CITATIONS
1	Results of PREVENT III: A multicenter, randomized trial of edifoligide for the prevention of vein graft failure in lower extremity bypass surgery. <i>Journal of Vascular Surgery</i> , 2006, 43, 742-751.e1.	1.1	579
2	Hepatic and Splenic Artery Aneurysms. <i>Seminars in Vascular Surgery</i> , 2005, 18, 196-201.	2.8	192
3	Prospective validation of an algorithm to maximize native arteriovenous fistulae for chronic hemodialysis access. <i>Journal of Vascular Surgery</i> , 2002, 36, 452-459.	1.1	150
4	Cellular Therapy With Ixmyelocel-T to Treat Critical Limb Ischemia: The Randomized, Double-blind, Placebo-controlled RESTORE-CLI Trial. <i>Molecular Therapy</i> , 2012, 20, 1280-1286.	8.2	136
5	Multiple preoperative and intraoperative factors predict early fistula thrombosis in the Hemodialysis Fistula Maturation Study. <i>Journal of Vascular Surgery</i> , 2016, 63, 163-170.e6.	1.1	104
6	Efficacy of dorsal pedal artery bypass in limb salvage for ischemic heel ulcers. <i>Journal of Vascular Surgery</i> , 1999, 30, 499-508.	1.1	102
7	Critical analysis of results after chimney endovascular aortic aneurysm repair raises cause for concern. <i>Journal of Vascular Surgery</i> , 2014, 60, 865-874.e1.	1.1	99
8	Interim analysis results from the RESTORE-CLI, a randomized, double-blind multicenter phase II trial comparing expanded autologous bone marrow-derived tissue repair cells and placebo in patients with critical limb ischemia. <i>Journal of Vascular Surgery</i> , 2011, 54, 1032-1041.	1.1	98
9	Arteriovenous Fistula Development in the First 6 Weeks after Creation. <i>Radiology</i> , 2016, 279, 620-629.	7.3	92
10	Outcome after hypogastric artery bypass and embolization during endovascular aneurysm repair. <i>Journal of Vascular Surgery</i> , 2006, 44, 1162-1168.	1.1	90
11	Durability of antegrade synthetic aortomesenteric bypass for chronic mesenteric ischemia. <i>Journal of Vascular Surgery</i> , 2002, 35, 1078-1084.	1.1	89
12	A novel vein graft model: adaptation to differential flow environments. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 286, H240-H245.	3.2	88
13	Covalent linkage of recombinant hirudin to poly(ethylene terephthalate) (Dacron): creation of a novel antithrombin surface. <i>Biomaterials</i> , 1997, 18, 755-765.	11.4	78
14	Genetic Architecture of Abdominal Aortic Aneurysm in the Million Veteran Program. <i>Circulation</i> , 2020, 142, 1633-1646.	1.6	78
15	Surgical and endovascular revision of infrainguinal vein bypass grafts: Analysis of midterm outcomes from the PREVENT III trial. <i>Journal of Vascular Surgery</i> , 2007, 46, 1173-1179.e2.	1.1	73
16	Morbidity with retroperitoneal procedures during endovascular abdominal aortic aneurysm repair. <i>Journal of Vascular Surgery</i> , 2003, 38, 459-463.	1.1	69
17	Serial analysis of lumen geometry and hemodynamics in human arteriovenous fistula for hemodialysis using magnetic resonance imaging and computational fluid dynamics. <i>Journal of Biomechanics</i> , 2013, 46, 165-169.	2.1	67
18	Outcomes of thoracic endovascular aortic repair using aortic arch chimney stents in high-risk patients. <i>Journal of Vascular Surgery</i> , 2017, 66, 9-20.e3.	1.1	67

#	ARTICLE	IF	CITATIONS
19	Rule-Based Simulation of Multi-Cellular Biological Systemsâ€”A Review of Modeling Techniques. Cellular and Molecular Bioengineering, 2009, 2, 285-294.	2.1	63
20	Relationships Between Clinical Processes and Arteriovenous Fistula Cannulation and Maturation: AAMulticenter Prospective Cohort Study. American Journal of Kidney Diseases, 2018, 71, 677-689.	1.9	59
21	Increased Plasmin and Serine Proteinase Activity During Flow-Induced Intimal Atrophy in Baboon PTFE Grafts. Arteriosclerosis, Thrombosis, and Vascular Biology, 2002, 22, 400-404.	2.4	55
22	Smooth muscle cell-specific Tgfbr1 deficiency promotes aortic aneurysm formation by stimulating multiple signaling events. Scientific Reports, 2016, 6, 35444.	3.3	55
23	Established neointimal hyperplasia in vein grafts expands via TGF-Î²-mediated progressive fibrosis. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H1200-H1207.	3.2	52
24	How to cluster gene expression dynamics in response to environmental signals. Briefings in Bioinformatics, 2012, 13, 162-174.	6.5	50
25	Multi-scale Modeling of the Cardiovascular System: Disease Development, Progression, and Clinical Intervention. Annals of Biomedical Engineering, 2016, 44, 2642-2660.	2.5	50
26	Implementation of a bundled protocol significantly reduces risk of spinal cord ischemia after branched or fenestrated endovascular aortic repair. Journal of Vascular Surgery, 2018, 67, 409-423.e4.	1.1	48
27	Evaluation of Cell Therapy on Exercise Performance and Limb Perfusion in Peripheral Artery Disease. Circulation, 2017, 135, 1417-1428.	1.6	46
28	Miniature Endoscope for Multimodal Imaging. ACS Photonics, 2017, 4, 174-180.	6.6	46
29	Arteriovenous Fistula Maturation, Functional Patency, and Intervention Rates. JAMA Surgery, 2021, 156, 1111.	4.3	45
30	Flow-induced neointimal regression in baboon polytetrafluoroethylene grafts is associated with decreased cell proliferation and increased apoptosis. Journal of Vascular Surgery, 2002, 36, 1248-1255.	1.1	43
31	Perioperative differences between endovascular repair of thoracic and abdominal aortic diseases. Journal of Vascular Surgery, 2007, 45, 86-89.	1.1	43
32	Subclavian revascularization in the age of thoracic endovascular aortic repair and comparison of outcomes in patients with occlusive disease. Journal of Vascular Surgery, 2013, 58, 901-909.	1.1	43
33	Access-related hand ischemia and the Hemodialysis Fistula Maturation Study. Journal of Vascular Surgery, 2016, 64, 1050-1058.e1.	1.1	40
34	Covalent Linkage of Recombinant Hirudin to a Novel Ionic Poly(Carbonate) Urethane Polymer with Protein Binding Sites: Determination of Surface Antithrombin Activity. Artificial Organs, 1998, 22, 657-665.	1.9	39
35	Wall shear modulation of cytokines in early vein grafts. Journal of Vascular Surgery, 2004, 40, 345-350.	1.1	38
36	Differential expression and activity of matrix metalloproteinases during flow-modulated vein graft remodeling. Journal of Vascular Surgery, 2004, 39, 1084-1090.	1.1	38

#	ARTICLE	IF	CITATIONS
37	TGF- $\beta$ 2- and CTGF-mediated fibroblast recruitment influences early outward vein graft remodeling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H482-H488.	3.2	37
38	Reconstructing regulatory networks from the dynamic plasticity of gene expression by mutual information. <i>Nucleic Acids Research</i> , 2013, 41, e97-e97.	14.5	37
39	Outcomes of antegrade and retrograde open mesenteric bypass for acute mesenteric ischemia. <i>Journal of Vascular Surgery</i> , 2019, 69, 129-140.	1.1	36
40	Implications of secondary aortic intervention after thoracic endovascular aortic repair for acute and chronic type B dissection. <i>Journal of Vascular Surgery</i> , 2019, 69, 1367-1378.	1.1	35
41	Functional Clustering of Periodic Transcriptional Profiles through ARMA(p,q). <i>PLoS ONE</i> , 2010, 5, e9894.	2.5	34
42	Defining risk and identifying predictors of mortality for open conversion after endovascular aortic aneurysm repair. <i>Journal of Vascular Surgery</i> , 2016, 63, 873-881.e1.	1.1	34
43	Early Differential MMP-2 and -9 Dynamics During Flow-Induced Arterial and Vein Graft Adaptations. <i>Journal of Surgical Research</i> , 2006, 134, 327-334.	1.6	33
44	Mechanisms of vein graft atherosclerosis: LDL metabolism and endothelial actin reorganization. <i>Journal of Vascular Surgery</i> , 1991, 13, 336-347.	1.1	32
45	Impact of an Absorbent Silver-Eluting Dressing System on Lower Extremity Revascularization Wound Complications. <i>Annals of Vascular Surgery</i> , 2007, 21, 598-602.	0.9	32
46	Impact of Shear Stress on Early Vein Graft Remodeling: A Biomechanical Analysis. <i>Annals of Biomedical Engineering</i> , 2004, 32, 1484-1493.	2.5	31
47	Prediction of graft patency and mortality after distal revascularization and interval ligation for hemodialysis access-related hand ischemia. <i>Journal of Vascular Surgery</i> , 2013, 57, 451-458.	1.1	31
48	Interaction between frailty and sex on mortality after elective abdominal aortic aneurysm repair. <i>Journal of Vascular Surgery</i> , 2019, 70, 1831-1843.	1.1	30
49	Computing patient-specific hemodynamics in stented femoral artery models obtained from computed tomography using a validated 3D reconstruction method. <i>Medical Engineering and Physics</i> , 2020, 75, 23-35.	1.7	30
50	Spatial and temporal changes in compliance following implantation of bioresorbable vascular grafts. <i>Journal of Biomedical Materials Research Part B</i> , 1992, 26, 1449-1461.	3.1	29
51	Elective endovascular aortic repair conversion for type Ia endoleak is not associated with increased morbidity or mortality compared with primary juxtarenal aneurysm repair. <i>Journal of Vascular Surgery</i> , 2014, 60, 286-294.e1.	1.1	29
52	Chronic kidney disease exacerbates ischemic limb myopathy in mice via altered mitochondrial energetics. <i>Scientific Reports</i> , 2019, 9, 15547.	3.3	29
53	Clinical outcomes after closed, staged, and open forefoot amputations. <i>Journal of Vascular Surgery</i> , 2006, 44, 347-352.e2.	1.1	28
54	An Experiment-Based Model of Vein Graft Remodeling Induced by Shear Stress. <i>Annals of Biomedical Engineering</i> , 2008, 36, 1083-1091.	2.5	28

#	ARTICLE	IF	CITATIONS
55	Mechanisms of vein graft atherosclerosis: LDL metabolism and endothelial actin reorganization. <i>Journal of Vascular Surgery</i> , 1991, 13, 336-347.	1.1	27
56	Outcomes of thoracic endovascular aortic repair in adult coarctation patients. <i>Journal of Vascular Surgery</i> , 2018, 67, 369-381.e2.	1.1	23
57	Bone morphogenetic protein 4: Potential regulator of shear stress-induced graft neointimal atrophy. <i>Journal of Vascular Surgery</i> , 2006, 43, 150-158.	1.1	22
58	Monocyte Chemoattractant Protein-1/CCR2 Axis Promotes Vein Graft Neointimal Hyperplasia Through Its Signaling in Graft-Extrinsic Cell Populations. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 2418-2426.	2.4	22
59	A dynamical system that describes vein graft adaptation and failure. <i>Journal of Theoretical Biology</i> , 2013, 336, 209-220.	1.7	22
60	A multiscale computational framework to understand vascular adaptation. <i>Journal of Computational Science</i> , 2015, 8, 32-47.	2.9	22
61	Pilot assessment of a human extracellular matrix-based vascular graft in a rabbit model. <i>Journal of Vascular Surgery</i> , 2017, 65, 839-847.e1.	1.1	22
62	Evaluation of a novel hirudin-coated polyester graft to physiologic flow conditions: Hirudin bioavailability and thrombin uptake. <i>Journal of Vascular Surgery</i> , 1998, 27, 1117-1127.	1.1	21
63	Defining utility and predicting outcome of cadaveric lower extremity bypass grafts in patients with critical limb ischemia. <i>Journal of Vascular Surgery</i> , 2014, 60, 1554-1564.	1.1	21
64	A technique for combined hypogastric artery bypass and endovascular repair of complex aortoiliac aneurysms. <i>Journal of Vascular Surgery</i> , 2002, 35, 1289-1291.	1.1	20
65	An omnidirectional visualization model of personalized gene regulatory networks. <i>Npj Systems Biology and Applications</i> , 2019, 5, 38.	3.0	20
66	Hypertension overrides the protective effect of female hormones on the development of aortic aneurysm secondary to Alk5 deficiency via ERK activation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H115-H125.	3.2	19
67	In-Stent Restenosis Progression in Human Superficial Femoral Arteries: Dynamics of Lumen Remodeling and Impact of Local Hemodynamics. <i>Annals of Biomedical Engineering</i> , 2021, 49, 2349-2364.	2.5	19
68	Evaluation of endothelium-derived nitric oxide mediated vasodilation utilizing ex vivo perfusion of an intact vessel. <i>Journal of Surgical Research</i> , 1992, 52, 416-421.	1.6	18
69	The dynamics of vein graft remodeling induced by hemodynamic forces: a mathematical model. <i>Biomechanics and Modeling in Mechanobiology</i> , 2012, 11, 411-423.	2.8	18
70	Outcomes after endovascular aneurysm repair conversion and primary aortic repair for urgent and emergency indications in the Society for Vascular Surgery Vascular Quality Initiative. <i>Journal of Vascular Surgery</i> , 2016, 64, 338-347.	1.1	18
71	Hemodynamic and Anatomic Predictors of Renovisceral Stent-Graft Occlusion Following Chimney Endovascular Repair of Juxtarenal Aortic Aneurysms. <i>Journal of Endovascular Therapy</i> , 2017, 24, 880-888.	1.5	18
72	Development of a microarray chip for gene expression in rabbit ocular research. <i>Molecular Vision</i> , 2007, 13, 164-73.	1.1	18

#	ARTICLE	IF	CITATIONS
73	Tumor necrosis factor- $\alpha$ and the early vein graft. <i>Journal of Vascular Surgery</i> , 2007, 45, 169-176.	1.1	17
74	Hemodynamically Driven Vein Graft Remodeling: A Systems Biology Approach. <i>Vascular</i> , 2009, 17, 2-9.	0.9	17
75	Comparison of hemodialysis arteriovenous fistula blood flow rates measured by Doppler ultrasound and phase-contrast magnetic resonance imaging. <i>Journal of Vascular Surgery</i> , 2018, 68, 1848-1857.e2.	1.1	17
76	Preexisting smooth muscle cells contribute to neointimal cell repopulation at an incidence varying widely among individual lesions. <i>Surgery</i> , 2016, 159, 602-612.	1.9	16
77	The Spectrum of Hand Dysfunction After Hemodialysis Fistula Placement. <i>Kidney International Reports</i> , 2017, 2, 332-341.	0.8	16
78	Vascular Adaptation: Pattern Formation and Cross Validation between an Agent Based Model and a Dynamical System. <i>Journal of Theoretical Biology</i> , 2017, 429, 149-163.	1.7	16
79	Association between surgeon case volume and years of practice experience with open abdominal aortic aneurysm repair outcomes. <i>Journal of Vascular Surgery</i> , 2021, 73, 1213-1226.e2.	1.1	16
80	Baseline local hemodynamics as predictor of lumen remodeling at 1-year follow-up in stented superficial femoral arteries. <i>Scientific Reports</i> , 2021, 11, 1613.	3.3	16
81	Unique Metabolomic Profile of Skeletal Muscle in Chronic Limb Threatening Ischemia. <i>Journal of Clinical Medicine</i> , 2021, 10, 548.	2.4	16
82	Rule-Based Model of Vein Graft Remodeling. <i>PLoS ONE</i> , 2013, 8, e57822.	2.5	16
83	Financial implications of coding inaccuracies in patients undergoing elective endovascular abdominal aortic aneurysm repair. <i>Journal of Vascular Surgery</i> , 2019, 69, 210-218.	1.1	15
84	Biomechanics of the venous wall under simulated arterial conditions. <i>Journal of Biomechanics</i> , 1990, 23, 985-989.	2.1	14
85	Mechanisms of Vascular Atrophy and Fibrous Cap Disruption. <i>Annals of the New York Academy of Sciences</i> , 2000, 902, 153-162.	3.8	14
86	Impact of secondary interventions on mortality after fenestrated branched endovascular aortic aneurysm repair. <i>Journal of Vascular Surgery</i> , 2019, 70, 1737-1746.e1.	1.1	14
87	A predictive multiscale model of in-stent restenosis in femoral arteries: linking haemodynamics and gene expression with an agent-based model of cellular dynamics. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20210871.	3.4	14
88	Functional Outcome After Redo Below-Knee Amputation. <i>World Journal of Surgery</i> , 2008, 32, 1823-1826.	1.6	13
89	Interplay of CCR2 signaling and local shear force determines vein graft neointimal hyperplasia in vivo. <i>FEBS Letters</i> , 2009, 583, 3536-3540.	2.8	13
90	Systemic inflammation as a predictor of clinical outcomes after lower extremity angioplasty/stenting. <i>Journal of Vascular Surgery</i> , 2016, 64, 766-778.e5.	1.1	13

#	ARTICLE	IF	CITATIONS
91	A versatile hybrid agent-based, particle and partial differential equations method to analyze vascular adaptation. <i>Biomechanics and Modeling in Mechanobiology</i> , 2019, 18, 29-44.	2.8	13
92	Contemporary outcomes of thoracofemoral bypass. <i>Journal of Vascular Surgery</i> , 2019, 69, 1150-1159.e1.	1.1	13
93	Medical Image-Based Computational Fluid Dynamics and Fluid-Structure Interaction Analysis in Vascular Diseases. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 855791.	4.1	13
94	Hemodynamics alter arterial low-density lipoprotein metabolism. <i>Journal of Vascular Surgery</i> , 1989, 10, 392-399.	1.1	12
95	Expression of a Functional IL-2 Receptor in Vascular Smooth Muscle Cells. <i>Journal of Immunology</i> , 2019, 202, 694-703.	0.8	12
96	Connexin43 Inhibition Prevents Human Vein Grafts Intimal Hyperplasia. <i>PLoS ONE</i> , 2015, 10, e0138847.	2.5	11
97	Haemodynamics of Different Configurations of a Left Subclavian Artery Stent Graft for Thoracic Endovascular Aortic Repair. <i>European Journal of Vascular and Endovascular Surgery</i> , 2020, 59, 7-15.	1.5	11
98	Revision of Vein Bypass Grafts: Factors Affecting Durability of Interventions. <i>Seminars in Vascular Surgery</i> , 2009, 22, 261-266.	2.8	10
99	Outcomes after redo aortobifemoral bypass for aortoiliac occlusive disease. <i>Journal of Vascular Surgery</i> , 2014, 60, 346-355.e1.	1.1	10
100	Hemodynamic Influence on Smooth Muscle Cell Kinetics and Phenotype During Early Vein Graft Adaptation. <i>Annals of Biomedical Engineering</i> , 2017, 45, 644-655.	2.5	10
101	Superficial femoral artery stenting: Impact of stent design and overlapping on the local hemodynamics. <i>Computers in Biology and Medicine</i> , 2022, 143, 105248.	7.0	10
102	Impact of endograft design and product line on the device cost of endovascular aneurysm repair. <i>Journal of Vascular Surgery</i> , 2008, 47, 499-503.	1.1	9
103	Multiscale mechanobiology modeling for surgery assessment. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2012, 28, 1186-1202.	3.4	9
104	The correlation between computed tomography and duplex evaluation of autogenous vein bypass grafts and their relationship to failure. <i>Journal of Vascular Surgery</i> , 2015, 62, 1546-1554.e1.	1.1	9
105	Analyses of hemodialysis arteriovenous fistula geometric configuration and its associations with maturation and reintervention. <i>Journal of Vascular Surgery</i> , 2021, 73, 1778-1786.e1.	1.1	9
106	Experimental determination and mathematical model of the transient incorporation of cholesterol in the arterial wall. <i>Bulletin of Mathematical Biology</i> , 1990, 52, 711-732.	1.9	8
107	Impact of IL-1 $\beta$ on flow-induced outward arterial remodeling. <i>Surgery</i> , 2004, 136, 478-482.	1.9	8
108	Experimental determination of velocity profiles and wall shear rate along the rabbit aortoiliac bifurcation: Relationship to vessel wall low-density lipoprotein (LDL) metabolism. <i>Journal of Biomechanics</i> , 1992, 25, 985-993.	2.1	7

#	ARTICLE	IF	CITATIONS
109	Flow reversal promotes intimal thickening in vein grafts. <i>Journal of Vascular Surgery</i> , 2014, 60, 471-478.e1.	1.1	7
110	Smooth muscle cell-specific <i>Tgfb1</i> deficiency attenuates neointimal hyperplasia but promotes an undesired vascular phenotype for injured arteries. <i>Physiological Reports</i> , 2016, 4, e13056.	1.7	7
111	Linking gene dynamics to vascular hyperplasia – Toward a predictive model of vein graft adaptation. <i>PLoS ONE</i> , 2017, 12, e0187606.	2.5	7
112	Heterogeneous and dynamic lumen remodeling of the entire infrainguinal vein bypass grafts in patients. <i>Journal of Vascular Surgery</i> , 2020, 71, 1620-1628.e3.	1.1	7
113	Interventional and amputation stage muscle proteomes in the chronically threatened ischemic limb. <i>Clinical and Translational Medicine</i> , 2022, 12, e658.	4.0	7
114	Patient-Centric Analysis of Dialysis Access Outcomes. <i>Journal of Vascular Access</i> , 2010, 11, 31-37.	0.9	6
115	A twofold usage of an agent-based model of vascular adaptation to design clinical experiments. <i>Journal of Computational Science</i> , 2018, 29, 59-69.	2.9	6
116	Cyclophilin A contributes to aortopathy induced by postnatal loss of smooth muscle TGFBR1. <i>FASEB Journal</i> , 2019, 33, 11396-11410.	0.5	6
117	Surgeon experience versus volume differentially affects lower extremity bypass outcomes in contemporary practice. <i>Journal of Vascular Surgery</i> , 2021, 74, 1978-1986.e2.	1.1	6
118	S100A8 and S100A9 are elevated in chronically threatened ischemic limb muscle and induce ischemic mitochondrial pathology in mice. <i>JVS Vascular Science</i> , 2022, 3, 232-245.	1.1	6
119	Multiscale agent-based modeling of restenosis after percutaneous transluminal angioplasty: Effects of tissue damage and hemodynamics on cellular activity. <i>Computers in Biology and Medicine</i> , 2022, 147, 105753.	7.0	6
120	Local Adipose-Associated Mediators and Adaptations Following Arteriovenous Fistula Creation. <i>Kidney International Reports</i> , 2018, 3, 970-978.	0.8	5
121	A Model of Vein Graft Intimal Hyperplasia. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 5807-10.	0.5	4
122	TNF- $\alpha$ and Shear Stress-Induced Large Artery Adaptations. <i>Journal of Surgical Research</i> , 2007, 141, 299-305.	1.6	4
123	Time and flow-dependent changes in the p27 gene network drive maladaptive vascular remodeling. <i>Journal of Vascular Surgery</i> , 2015, 62, 1296-1302.e2.	1.1	4
124	Hyperacute Monocyte Gene Response Patterns Are Associated With Lower Extremity Vein Bypass Graft Failure. <i>Circulation Genomic and Precision Medicine</i> , 2018, 11, e001970.	3.6	4
125	Anatomic and hemodynamic investigation of an occluded common carotid chimney stent graft for hybrid thoracic aortic aneurysm repair. <i>Journal of Vascular Surgery Cases and Innovative Techniques</i> , 2019, 5, 187-194.	0.6	4
126	Contemporary management and outcomes of complex vascular surgical groin wound infections. <i>Journal of Vascular Surgery</i> , 2021, 73, 1031-1040.e4.	1.1	4



#	ARTICLE	IF	CITATIONS
127	Effect of ischemiaâ€“reperfusion on outcomes after open mesenteric bypass for chronic mesenteric ischemia. <i>Journal of Vascular Surgery</i> , 2021, 74, 1301-1308.e1.	1.1	4
128	Functional Mapping of Expression Quantitative Trait Loci that Regulate Oscillatory Gene Expression. <i>Methods in Molecular Biology</i> , 2011, 734, 241-255.	0.9	4
129	Development of a murine iliac arteriovenous fistula model for examination of hemodialysis access-related limb pathophysiology. <i>JVS Vascular Science</i> , 2021, 2, 247-259.	1.1	4
130	Experimental determination and mathematical model of the transient incorporation of cholesterol in the arterial wall. <i>Bulletin of Mathematical Biology</i> , 1990, 52, 711-732.	1.9	3
131	Autogenous Vein Grafts. , 2010, , 1316-1334.		3
132	Linking Gene Dynamics to Intimal Hyperplasia â€“ A Predictive Model of Vein Graft Adaptation. <i>Procedia Computer Science</i> , 2017, 108, 1842-1851.	2.0	2
133	A unified mapping framework of multifaceted pharmacodynamic responses to hypertension interventions. <i>Drug Discovery Today</i> , 2019, 24, 883-889.	6.4	2
134	Temporal analysis of arch artery diameter and flow rate in patients undergoing aortic arch endograft procedures. <i>Physiological Measurement</i> , 2020, 41, 035004.	2.1	2
135	Hemodynamics alter arterial low-density lipoprotein metabolism. <i>Journal of Vascular Surgery</i> , 1989, 10, 0392-0399.	1.1	2
136	A Versatile Hybrid Agent-Based, Particle and Partial Differential Equations Method to Analyze Vascular Adaptation. <i>Lecture Notes in Computer Science</i> , 2018, , 856-868.	1.3	1
137	Inference of Gene Regulatory Network Through Adaptive Dynamic Bayesian Network Modeling. <i>ICSA Book Series in Statistics</i> , 2019, , 91-113.	0.2	1
138	A Computational Model-Based Framework to Plan Clinical Experiments â€“ An Application to Vascular Adaptation Biology. <i>Lecture Notes in Computer Science</i> , 2018, 10860, 352-362.	1.3	1
139	Modeling and Role of Leukocytes in Inflammation. , 2010, , 221-232.		1
140	Regulation of Intimal Growth and Regression by Blood Flow. <i>Journal of Vascular and Interventional Radiology</i> , 1999, 10, 945-947.	0.5	0
141	Wall-fluid interactions in physiological flow. <i>Journal of Vascular Surgery</i> , 2004, 40, 1262.	1.1	0
142	DIFFERENTIAL TEMPORAL AND WALL SHEAR STRESS MODULATION OF ARTERIAL CYTOKINE EXPRESSIONâ€“IMPACT ON REMODELING. <i>Cardiovascular Pathology</i> , 2004, 13, 165.	1.6	0
143	A Longitudinal Study of Hemodynamics in a Functional Human Hemodialysis Fistula Using 3T Magnetic Resonance Imaging-Based Computational Fluid Dynamics Analysis. , 2010, , .		0
144	Carotid Stent Explant Indications and Outcomes. <i>Annals of Vascular Surgery</i> , 2021, , .	0.9	0

#	ARTICLE	IF	CITATIONS
145	Late Neointimal Hyperplasia in Vein Grafts Expands via TGF $\beta$ <sup>2</sup> /CTGF Mediated Fibrosis. FASEB Journal, 2009, 23, 312.3.	0.5	0
146	Emerging Mechanisms of Vein Graft Failure: The Dynamic Interaction of Hemodynamics and the Vascular Response to Injury. , 2010, , 209-219.		0
147	Abstract 255: Loss of Alk5 in Smooth Muscle Cells (SMCs) Causes Aortic Aneurysms Through an Aberrant Tgfr2 Signal. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, .	2.4	0
148	Linking Gene Dynamics to Intimal Hyperplasia – A Predictive Model of Vein Graft Adaptation. , 0, , .		0
149	Renal Dysfunction Exacerbates Ischemic Muscle Injury in Mice Subjected to Hindlimb Ischemia. FASEB Journal, 2019, 33, 868.5.	0.5	0
150	Assessment of hindlimb myopathy and mitochondrial bioenergetics in a unique mouse model of access-related hand dysfunction. FASEB Journal, 2022, 36, .	0.5	0
151	Abstract 625: Adipose-Associated Mediators Correlate with Anatomic and Physiologic Adaptations Following Fistula Placement: The Hemodialysis Fistula Maturation (HFM) Study. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, .	2.4	0
152	Abstract 278: Vascular Anatomic and Physiologic Relationships with Local Adipose Phenotype in Chronic Kidney Disease Patients. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, .	2.4	0
153	Functional analysis of arteriovenous fistulae in non-contrast magnetic resonance images. Computer Methods and Programs in Biomedicine, 2022, 222, 106938.	4.7	0