

# Paula K Shireman

## List of Publications by Year in descending order

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77  
papers

2,990  
citations

172386

29  
h-index

168321

53  
g-index

78  
all docs

78  
docs citations

78  
times ranked

3851  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reproducibility of quantitative RT-PCR array in miRNA expression profiling and comparison with microarray analysis. <i>BMC Genomics</i> , 2009, 10, 407.	1.2	271
2	Association of Preoperative Patient Frailty and Operative Stress With Postoperative Mortality. <i>JAMA Surgery</i> , 2020, 155, e194620.	2.2	186
3	MCP-1 deficiency causes altered inflammation with impaired skeletal muscle regeneration. <i>Journal of Leukocyte Biology</i> , 2007, 81, 775-785.	1.5	184
4	Altered Macrophage Phenotype Transition Impairs Skeletal Muscle Regeneration. <i>American Journal of Pathology</i> , 2014, 184, 1167-1184.	1.9	170
5	Delayed angiogenesis and VEGF production in CCR2 <sup>-/-</sup> mice during impaired skeletal muscle regeneration. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R651-R661.	0.9	139
6	The chemokine system in arteriogenesis and hind limb ischemia. <i>Journal of Vascular Surgery</i> , 2007, 45, A48-A56.	0.6	133
7	Fat accumulation with altered inflammation and regeneration in skeletal muscle of CCR2 <sup>-/-</sup> mice following ischemic injury. <i>American Journal of Physiology - Cell Physiology</i> , 2007, 292, C953-C967.	2.1	132
8	Regulation of skeletal muscle regeneration by CCR2-activating chemokines is directly related to macrophage recruitment. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R832-R842.	0.9	121
9	Chemokines and Diabetic Wound Healing. <i>Vascular</i> , 2007, 15, 350-355.	0.4	92
10	Bone marrow-derived cell regulation of skeletal muscle regeneration. <i>FASEB Journal</i> , 2009, 23, 382-395.	0.2	88
11	Temporal phenotypic features distinguish polarized macrophages in vitro. <i>Autoimmunity</i> , 2015, 48, 161-176.	1.2	68
12	Surgical management of atheroembolization. <i>Journal of Vascular Surgery</i> , 1995, 21, 773-781.	0.6	65
13	Differential Necrosis Despite Similar Perfusion in Mouse Strains after Ischemia <sup>1</sup> . <i>Journal of Surgical Research</i> , 2005, 129, 242-250.	0.8	65
14	Angiographic scoring of vascular occlusive disease in the diabetic foot: Relevance to bypass graft patency and limb salvage. <i>Journal of Vascular Surgery</i> , 2002, 35, 494-500.	0.6	57
15	MCP-1 Parallels Inflammatory and Regenerative Responses in Ischemic Muscle. <i>Journal of Surgical Research</i> , 2006, 134, 145-157.	0.8	54
16	Treatment of venous malformations by direct injection with ethanol. <i>Journal of Vascular Surgery</i> , 1997, 26, 838-844.	0.6	53
17	Association Between Patient Frailty and Postoperative Mortality Across Multiple Noncardiac Surgical Specialties. <i>JAMA Surgery</i> , 2021, 156, e205152.	2.2	53
18	Mechanical Buckling of Veins Under Internal Pressure. <i>Annals of Biomedical Engineering</i> , 2010, 38, 1345-1353.	1.3	52

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19	Glutathione-peroxidase-1 null muscle progenitor cells are globally defective. <i>Free Radical Biology and Medicine</i> , 2006, 41, 1174-1184.	1.3	50
20	Temporal microRNA expression during in vitro myogenic progenitor cell proliferation and differentiation: regulation of proliferation by miR-682. <i>Physiological Genomics</i> , 2011, 43, 621-630.	1.0	48
21	MiR-351 transiently increases during muscle regeneration and promotes progenitor cell proliferation and survival upon differentiation. <i>Physiological Genomics</i> , 2012, 44, 1042-1051.	1.0	46
22	Major lower-extremity amputation: contemporary experience in a single Veterans Affairs institution. <i>American Surgeon</i> , 2002, 68, 606-10.	0.4	46
23	Association of Socioeconomic Area Deprivation Index with Hospital Readmissions After Colon and Rectal Surgery. <i>Journal of Gastrointestinal Surgery</i> , 2021, 25, 795-808.	0.9	44
24	Elevations of tissue-type plasminogen activator and differential expression of urokinase-type plasminogen activator in diseased aorta. <i>Journal of Vascular Surgery</i> , 1997, 25, 157-164.	0.6	40
25	Healing of Transmetatarsal Amputation in the Diabetic Patient: Is Angiography Predictive?. <i>Annals of Vascular Surgery</i> , 2005, 19, 769-773.	0.4	39
26	Association of Preoperative Frailty and Operative Stress With Mortality After Elective vs Emergency Surgery. <i>JAMA Network Open</i> , 2020, 3, e2010358.	2.8	38
27	Endothelial cell function: biologic and physiologic functions in health and disease.. <i>American Journal of Roentgenology</i> , 1996, 166, 7-13.	1.0	32
28	Modulation of vascular cell growth kinetics by local cytokine delivery from fibrin glue suspensions. <i>Journal of Vascular Surgery</i> , 1999, 29, 852-862.	0.6	32
29	Noninvasive localization of infrainguinal arterial occlusive disease in diabetics. <i>Annals of Vascular Surgery</i> , 2001, 15, 73-78.	0.4	32
30	Near-Infrared Imaging of Injured Tissue in Living Subjects Using IR-820. <i>Molecular Imaging</i> , 2009, 8, 7290.2009.00005.	0.7	30
31	Oxidation and structural perturbation of redox-sensitive enzymes in injured skeletal muscle. <i>Free Radical Biology and Medicine</i> , 2007, 43, 1584-1593.	1.3	28
32	The S130K fibroblast growth factor-1 mutant induces heparin-independent proliferation and is resistant to thrombin degradation in fibrin glue. <i>Journal of Vascular Surgery</i> , 2000, 31, 382-390.	0.6	27
33	Elevated levels of plasminogen-activator inhibitor type 1 in atherosclerotic aorta. <i>Journal of Vascular Surgery</i> , 1996, 23, 810-818.	0.6	26
34	Implications of Preoperative Patient Frailty on Stratified Postoperative Mortality—Reply. <i>JAMA Surgery</i> , 2020, 155, 670.	2.2	26
35	Precision Health Analytics With Predictive Analytics and Implementation Research. <i>Journal of the American College of Cardiology</i> , 2020, 76, 306-320.	1.2	25
36	Comparing Veterans Affairs and Private Sector Perioperative Outcomes After Noncardiac Surgery. <i>JAMA Surgery</i> , 2022, 157, 231.	2.2	24

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37	Changing Pattern of Access Site Complications with the Use of Percutaneous Closure Devices. <i>Vascular Surgery</i> , 2001, 35, 203-206.	0.3	23
38	Increased fat deposition in injured skeletal muscle is regulated by sex-specific hormones. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 302, R331-R339.	0.9	23
39	Mitogenicity and release of vascular endothelial growth factor with and without heparin from fibrin glue. <i>Journal of Vascular Surgery</i> , 2000, 31, 936-943.	0.6	22
40	Dynamic macrophage polarization-specific miRNA patterns reveal increased soluble VEGF receptor 1 by miR-125a-5p inhibition. <i>Physiological Genomics</i> , 2016, 48, 345-360.	1.0	22
41	Plasminogen activator levels are influenced by location and varicosity in greater saphenous vein. <i>Journal of Vascular Surgery</i> , 1996, 24, 719-724.	0.6	21
42	Association of Frailty and the Expanded Operative Stress Score with Preoperative Acute Serious Conditions, Complications, and Mortality in Males Compared to Females. <i>Annals of Surgery</i> , 2023, 277, e294-e304.	2.1	21
43	Current Concepts in Diabetic Microvascular Dysfunction. <i>Journal of the American Podiatric Medical Association</i> , 2006, 96, 245-252.	0.2	20
44	Association of Smoking With Postprocedural Complications Following Open and Endovascular Interventions for Intermittent Claudication. <i>JAMA Cardiology</i> , 2022, 7, 45.	3.0	19
45	The Cysteine-Free Fibroblast Growth Factor 1 Mutant Induces Heparin-Independent Proliferation of Endothelial Cells and Smooth Muscle Cells. <i>Journal of Surgical Research</i> , 2000, 92, 255-260.	0.8	18
46	Absence of CCR2 results in an inflammaging environment in young mice with age-independent impairments in muscle regeneration. <i>Journal of Leukocyte Biology</i> , 2016, 100, 1011-1025.	1.5	16
47	Current applications of artificial intelligence in vascular surgery. <i>Seminars in Vascular Surgery</i> , 2021, 34, 268-271.	1.1	13
48	Does the Efficacy of Dorsalis Pedis Artery Bypasses Vary Among Diabetic Patients of Different Ethnic Backgrounds?. <i>Vascular and Endovascular Surgery</i> , 2002, 36, 207-212.	0.3	12
49	Deriving a Boolean dynamics to reveal macrophage activation with in vitro temporal cytokine expression profiles. <i>BMC Bioinformatics</i> , 2019, 20, 725.	1.2	12
50	Outcomes following Distal Bypass Graft Occlusion in Diabetics. <i>Annals of Vascular Surgery</i> , 2003, 17, 670-675.	0.4	11
51	Near-infrared imaging of injured tissue in living subjects using IR-820. <i>Molecular Imaging</i> , 2009, 8, 45-54.	0.7	11
52	Increased Adipocyte Area in Injured Muscle With Aging and Impaired Remodeling in Female Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 992-1004.	1.7	10
53	Early Duplex-derived Hemodynamic Parameters after Lower Extremity Bypass in Diabetics: Implications for Mid-term Outcomes. <i>Annals of Vascular Surgery</i> , 2002, 16, 601-607.	0.4	9
54	Current status of patient-reported outcome measures in vascular surgery. <i>Journal of Vascular Surgery</i> , 2021, 74, 1693-1706.e1.	0.6	9

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55	The Correlation Between Case Total Work Relative Value Unit, Operative Stress, and Patient Frailty. <i>Annals of Surgery</i> , 2021, 274, 637-645.	2.1	8
56	Epidemiology of age-, sex-, and race-specific hospitalizations for abdominal aortic aneurysms highlights gaps in current screening recommendations. <i>Journal of Vascular Surgery</i> , 2022, 76, 1216-1226.e4.	0.6	8
57	Improving Initiation and Tracking of Research Projects at an Academic Health Center: A Case Study. <i>Evaluation and the Health Professions</i> , 2017, 40, 372-379.	0.9	7
58	VA Vascular Injury Study (VAVIS): VA-DoD extremity injury outcomes collaboration. <i>BMC Surgery</i> , 2015, 15, 13.	0.6	6
59	Improving pilot project application and review processes: A novel application of lean six sigma in translational science. <i>Journal of Clinical and Translational Science</i> , 2018, 2, 135-138.	0.3	6
60	Patency of arterial repairs from wartime extremity vascular injuries. <i>Trauma Surgery and Acute Care Open</i> , 2020, 5, e000616.	0.8	5
61	Noninvasive Localization of Infrainguinal Arterial Occlusive Disease in Diabetics. <i>Annals of Vascular Surgery</i> , 2001, 15, 73-78.	0.4	4
62	Ureteral Injury during Aortic Aneurysm Repair by the Retroperitoneal Approach. <i>Annals of Vascular Surgery</i> , 2001, 15, 481-484.	0.4	4
63	Lower Extremity Bypass Graft Revision in Diabetics. <i>Vascular Surgery</i> , 2001, 35, 369-377.	0.3	4
64	Field testing for the critical limb ischemia cost measure. <i>Journal of Vascular Surgery</i> , 2018, 67, 1933.	0.6	4
65	Persistent Pain, Physical Dysfunction, and Decreased Quality of Life After Combat Extremity Vascular Trauma. <i>Annals of Vascular Surgery</i> , 2021, 71, 167-180.	0.4	4
66	Crimson carrier, A long-acting contrast agent for in vivo near-infrared imaging of injured and diseased muscle. <i>Muscle and Nerve</i> , 2010, 42, 245-251.	1.0	3
67	What is an Advanced Alternative Payment Model?. <i>Journal of Vascular Surgery</i> , 2017, 66, 1299.	0.6	3
68	Constructing cost measures for critical limb ischemia. <i>Journal of Vascular Surgery</i> , 2018, 67, 1627.	0.6	3
69	Hemodialysis access creation episode-based cost measure. <i>Journal of Vascular Surgery</i> , 2019, 69, 1322.	0.6	3
70	Using the Unified Medical Language System to Expand the Operative Stress Score "First Use Case. <i>Journal of Surgical Research</i> , 2021, 268, 552-561.	0.8	3
71	Association of preoperative vein mapping with hemodialysis access characteristics and outcomes in the Vascular Quality Initiative. <i>Journal of Vascular Surgery</i> , 2022, 75, 1395-1402.e5.	0.6	3
72	Quantifying The Costs of Creating and Maintaining Hemodialysis Access in An All-Payer Rate-Controlled Health System. <i>Annals of Vascular Surgery</i> , 2021, 76, 142-151.	0.4	2

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73	Does Lower Limb Revascularization Result in an Improvement in Sensory Perception Thresholds?. Annals of Vascular Surgery, 2002, 16, 309-313.	0.4	1
74	Characteristics and Distribution of Extremity Vascular Injuries in a Wartime Military Cohort. Journal of Vascular Surgery, 2020, 72, e165-e166.	0.6	1
75	Accessing your Quality Payment Program feedback reports. Journal of Vascular Surgery, 2018, 68, 1954.	0.6	0
76	Field testing and refining the hemodialysis access creation episode-based cost measure. Journal of Vascular Surgery, 2019, 69, 1643.	0.6	0
77	The VA Vascular Injury Study: a glimpse at quality of care in Veterans with traumatic vascular injury repair. Injury, 2022, , .	0.7	0