William D Wagner

List of Publications by Citations

54 papers	3,221 citations	22 h-index	55 g-index
55 ext. papers	3,494 ext. citations	4.5 avg, IF	4.25 L-index

#	Paper	IF	Citations
54	A definition of advanced types of atherosclerotic lesions and a histological classification of atherosclerosis. A report from the Committee on Vascular Lesions of the Council on Arteriosclerosis, American Heart Association. *Circulation*, **1995**, 92, 1355-74	16.7	1704
53	In vitro and in vivo comparative colonization of Staphylococcus aureus and Staphylococcus epidermidis on orthopaedic implant materials. *Biomaterials*, **1989**, 10, 325-8	15.6	191
52	A more sensitive assay discriminating galactosamine and glucosamine in mixtures. *Analytical Biochemistry*, **1979**, 94, 394-6	3.1	187
51	Wound healing: a paradigm for lumen narrowing after arterial reconstruction. *Journal of Vascular Surgery*, **1998**, 27, 96-106; discussion 106-8	3.5	101
50	Hyaluronan enhances contraction of collagen by smooth muscle cells and adventitial fibroblasts: Role of CD44 and implications for constrictive remodeling. *Circulation Research*, **2001**, 88, 77-83	15.7	84
49	Molecular interactions leading to lipoprotein retention and the initiation of atherosclerosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2004**, 24, 2211-8	9.4	78
48	A phase I study of muscadine grape skin extract in men with biochemically recurrent prostate cancer: Safety, tolerability, and dose determination. *Prostate*, **2015**, 75, 1518-25	4.2	70
47	Differentiated macrophages synthesize a heparan sulfate proteoglycan and an oversulfated chondroitin sulfate proteoglycan that bind lipoprotein lipase. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1995**, 15, 400-9	9.4	68
46	Endothelial cell heparanase modulation of lipoprotein lipase activity. Evidence that heparan sulfate oligosaccharide is an extracellular chaperone. *Journal of Biological Chemistry*, **1997**, 272, 15753-9	5.4	57
45	Altered dermatan sulfate structure and reduced heparin cofactor II-stimulating activity of biglycan and decorin from human atherosclerotic plaque. *Journal of Biological Chemistry*, **2000**, 275, 18085-92	5.4	57
44	Plasma low density lipoprotein accumulation in aortas of hypercholesterolemic swine correlates with modifications in aortic glycosaminoglycan composition. *Atherosclerosis*, **1986**, 61, 231-6	3.1	56
43	Proteoglycan structure and function as related to atherosclerosis. *Annals of the New York Academy of Sciences*, **1985**, 454, 52-68	6.5	50
42	Artery wall derived proteoglycan-plasma lipoprotein interaction: lipoprotein binding properties of extracted proteoglycans. *Atherosclerosis*, **1987**, 65, 51-62	3.1	49
41	The NH2-terminal region of apolipoprotein B is sufficient for lipoprotein association with glycosaminoglycans. *Journal of Biological Chemistry*, **1998**, 273, 35355-61	5.4	45
40	The heparin-binding proteins apolipoprotein E and lipoprotein lipase enhance cellular proteoglycan production. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2000**, 20, 111-8	9.4	32
39	Chondroitin sulfate anticoagulant activity is linked to water transfer: relevance to proteoglycan structure in atherosclerosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2003**, 23, 1921-7	9.4	27
38	Angiochemical and tissue cholesterol changes of Macaca fascicularis fed an atherogenic diet for 3 years. *Experimental and Molecular Pathology*, **1978**, 28, 140-53	4.4	27

37	Lipoprotein interaction with artery wall derived proteoglycan: comparisons between atherosclerosis-susceptible WC-2 and resistant Show Racer pigeons. *Atherosclerosis*, **1987**, 65, 63-73	3.1	26
36	Risk factors in pigeons genetically selected for increased atherosclerosis susceptibility. *Atherosclerosis*, **1978**, 31, 453-63	3.1	25
35	Low density lipoprotein interaction with artery derived proteoglycan: the influence of LDL particle size and the relationship to atherosclerosis susceptibility. *Atherosclerosis*, **1989**, 75, 49-59	3.1	24
34	Muscadine Grape Skin Extract (MPX) in Men with Biochemically Recurrent Prostate Cancer: A Randomized, Multicenter, Placebo-Controlled Clinical Trial. *Clinical Cancer Research*, **2018**, 24, 306-315	12.9	24
33	Influence of dietary fats and an oral contraceptive on plasma lipids, high density lipoproteins, gallstones, and atherosclerosis in african green monkeys. *Atherosclerosis*, **1980**, 37, 103-21	3.1	23
32	Effects of hormone replacement modalities on low density lipoprotein composition and distribution in ovariectomized cynomolgus monkeys. *Atherosclerosis*, **1996**, 121, 217-29	3.1	20
31	Arterial smooth muscle cell heparan sulfate proteoglycans accelerate thrombin inhibition by heparin cofactor II. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1996**, 16, 1138-46	9.4	18
30	Oligosaccharide sequence of human breast cancer cell heparan sulfate with high affinity for laminin. *Journal of Biological Chemistry*, **1998**, 273, 21111-4	5.4	17
29	Heterogeneity in glycosylation of dermatan sulfate proteoglycan core proteins isolated from human aorta. *Connective Tissue Research*, **1990**, 25, 35-48	3.3	17
28	Novel nanofiber-based material for endovascular scaffolds. *Journal of Biomedical Materials Research - Part A*, **2015**, 103, 1150-8	5.4	15
27	Properties of single electrospun poly (diol citrate)-collagen-proteoglycan nanofibers for arterial repair and in applications requiring viscoelasticity. *Journal of Biomaterials Applications*, **2014**, 28, 729-38	2.9	13
26	Effects of contraceptive estrogen and progestin on the atherogenic potential of plasma LDLs in cynomolgus monkeys. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1997**, 17, 1216-23	9.4	13
25	Chondroitin sulfate proteoglycan and heparan sulfate proteoglycan production by cultured pigeon peritoneal macrophages. *Journal of Leukocyte Biology*, **1992**, 51, 626-33	6.5	13
24	Osteomyelitis and intraosteoblastic Staphylococcus aureus. *Journal of Surgical Orthopaedic Advances*, **2007**, 16, 73-8	0.3	13
23	Development of a biodegradable foam for use in negative pressure wound therapy. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2011**, 98, 316-22	3.5	10
22	STAT4 and the proliferation of artery smooth muscle cells in atherosclerosis. *Experimental and Molecular Pathology*, **2006**, 81, 15-22	4.4	10
21	Lipoprotein lipase-mediated interactions of small proteoglycans and low-density lipoproteins. *European Journal of Cell Biology*, **2000**, 79, 689-96	6.1	8
20	Influence of glucose on production and N-sulfation of heparan sulfate in cultured adipocyte cells. *Molecular and Cellular Biochemistry*, **2000**, 213, 1-9	4.2	7

19	Reduced syndecan-4 expression in arterial smooth muscle cells with enhanced proliferation. *Experimental and Molecular Pathology*, **2005**, 78, 10-6	4.4	6
18	Structural properties and partial protein sequence analysis of the major dermatan sulfate proteoglycan of pigeon aorta. *Atherosclerosis*, **1993**, 98, 99-111	3.1	6
17	Glycosaminoglycans: their distribution and potential vasoactive action in the nonpregnant and pregnant ovine uterus. *American Journal of Obstetrics and Gynecology*, **1983**, 145, 1041-8	6.4	6
16	Interaction of material stiffness and negative pressure to enhance differentiation of bone marrow-derived stem cells and osteoblast proliferation. *Journal of Tissue Engineering and Regenerative Medicine*, **2020**, 14, 295-305	4.4	6
15	Muscadine grape skin extract inhibits prostate cancer cells by inducing cell-cycle arrest, and decreasing migration through heat shock protein 40. *Heliyon*, **2019**, 5, e01128	3.6	5
14	Fabrication of biodegradable foams for deep tissue negative pressure treatments. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, **2018**, 106, 1998-2007	3.5	3
13	Artery regional properties and atherosclerosis susceptibility. *Life Sciences*, **2007**, 80, 299-306	6.8	3
12	Chitosan embedded silver nanoparticles developed to noninvasively measure tissue pressure. *FASEB Journal*, **2007**, 21, A267	0.9	3
11	Isolation of heparin-derived oligosaccharides containing 2-O-sulfated hexuronic acids, by lipoprotein lipase affinity chromatography. *Journal of Proteomics*, **1996**, 32, 27-32		2
10	Aortic glycopeptide sialic acid, hexose and hexosamine in a genetically selected (WC-2) strain of atherosclerosis-susceptible pigeon. *Atherosclerosis*, **1979**, 34, 1-11	3.1	2
9	Syndecan-4 functionalization of tissue regeneration scaffolds improves interaction with endothelial progenitor cells.. *International Journal of Energy Production and Management*, **2021**, 8, rbab070	5.3	0
8	A phase I trial of muscadine grape skin in men with biochemically recurrent prostate cancer.. *Journal of Clinical Oncology*, **2014**, 32, 263-263	2.2	0
7	Composite engineered biomaterial adaptable for repair and regeneration of wounds. *Wound Repair and Regeneration*, **2021**, 29, 335-337	3.6	0
6	Spine Fusion Using a Soft Elastomeric Nanofibrous Composite of Collagen, Poly (1,8-octanediol-co-citrate) and Chondroitin 6-sulfate. *FASEB Journal*, **2015**, 29, 1029.15	0.9	
5	Biodegradable polymers useful in wound repair requiring negative pressure wound therapy. *FASEB Journal*, **2009**, 23, 469.7	0.9	
4	Production of a nanocomposite for tissue repair application requiring viscoelasticity. *FASEB Journal* , **2009**, 23, 468.2	0.9	
3	Production of a biodegradable electrospun biomaterial with tensile strength and elasticity. *FASEB Journal*, **2012**, 26, 905.2	0.9	
2	Heart valve substitute fabricated from silk protein, collagen, and poly-glycerol sebacate has enhanced endothelial cell growth and reduced thrombogenicity. *FASEB Journal*, **2013**, 27, 527.4	0.9	

List of Publications

1 Stabilizing and improving elastic bioengineered scaffolds mimicking extracellular matrix for use in wound repair and regeneration. *SPE Polymers*, **2022**, 3, 54-64 1.1