

Zorina S Galis

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.

80
papers

9,199
citations

42
h-index

86
g-index

86
ext. papers

10,382
ext. citations

10.4
avg, IF

5.45
L-index

#	Paper	IF	Citations
80	Exerkines in health, resilience and disease.. <i>Nature Reviews Endocrinology</i> , 2022 ,	15.2	17
79	Treatment for Mild Chronic Hypertension during Pregnancy.. <i>New England Journal of Medicine</i> , 2022 ,	59.2	18
78	Perspectives on Cognitive Phenotypes and Models of Vascular Disease.. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022 , 101161ATVBAHA122317395	9.4	1
77	Exploring the Role of Endothelial Cell Resilience in Cardiovascular Health and Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 179-185	9.4	9
76	Report of the National Heart, Lung, and Blood Institute Working Group on Hypertension: Barriers to Translation. <i>Hypertension</i> , 2020 , 75, 902-917	8.5	17
75	"," Mapping the 25 Year Evolution and Impact of North American Vascular Biology Organization Science Through Publications of its Founding and Current Members. <i>Frontiers in Research Metrics and Analytics</i> , 2020 , 5, 591090	1.3	
74	Vascular contributions to cognitive impairment and dementia (VCID): A report from the 2018 National Heart, Lung, and Blood Institute and National Institute of Neurological Disorders and Stroke Workshop. <i>Alzheimer's and Dementia</i> , 2020 , 16, 1714-1733	1.2	36
73	Unlocking the Secrets of Mitochondria in the Cardiovascular System: Path to a Cure in Heart FailureA Report from the 2018 National Heart, Lung, and Blood Institute Workshop. <i>Circulation</i> , 2019 , 140, 1205-1216	16.7	43
72	Implementing the National Heart, Lung, and Blood Institute's Strategic Vision in the Division of Cardiovascular Sciences. <i>Circulation Research</i> , 2019 , 124, 491-497	15.7	15
71	Deciphering the Role of Lipid Droplets in Cardiovascular Disease: A Report From the 2017 National Heart, Lung, and Blood Institute Workshop. <i>Circulation</i> , 2018 , 138, 305-315	16.7	47
70	Angiogenesis Research: Extramural Portfolio Supported by the National Heart, Lung, and Blood Institute, 2008-2015. <i>Circulation Research</i> , 2017 , 120, 1713-1717	15.7	2
69	Ischemia and No Obstructive Coronary Artery Disease (INOCA): Developing Evidence-Based Therapies and Research Agenda for the Next Decade. <i>Circulation</i> , 2017 , 135, 1075-1092	16.7	293
68	Report of the National Heart, Lung, and Blood Institute Working Group on the Role of Microbiota in Blood Pressure Regulation: Current Status and Future Directions. <i>Hypertension</i> , 2017 ,	8.5	33
67	A Special Report on the NHLBI Initiative to Study Cellular and Molecular Mechanisms of Arterial Stiffness and Its Association With Hypertension. <i>Circulation Research</i> , 2017 , 121, 1216-1218	15.7	20
66	Building on a Legacy of Hypertension Research: Charting Our Future Together. <i>Hypertension</i> , 2017 , 69, 5-10	8.5	4
65	Trends in NHLBI-Funded Research on Sex Differences in Hypertension. <i>Circulation Research</i> , 2016 , 119, 591-5	15.7	8
64	"Small Blood Vessels: Big Health Problems?": Scientific Recommendations of the National Institutes of Health Workshop. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	53

63	National Heart, Lung, and Blood Institute Working Group Report on Salt in Human Health and Sickness: Building on the Current Scientific Evidence. <i>Hypertension</i> , 2016 , 68, 281-8	8.5	39
62	Shifting Demographics among Research Project Grant Awardees at the National Heart, Lung, and Blood Institute (NHLBI). <i>PLoS ONE</i> , 2016 , 11, e0168511	3.7	18
61	Point-of-Care Technologies for Precision Cardiovascular Care and Clinical Research: National Heart, Lung, and Blood Institute Working Group. <i>JACC Basic To Translational Science</i> , 2016 , 1, 73-86	8.7	34
60	"The Good Old R01": Challenging Downward Funding Success Trends at the National Heart, Lung, and Blood Institute. <i>Circulation Research</i> , 2016 , 118, 1475-9	15.7	5
59	Cardiovascular drug development: is it dead or just hibernating?. <i>Journal of the American College of Cardiology</i> , 2015 , 65, 1567-82	15.1	104
58	Vascular contributions to cognitive impairment and dementia including Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2015 , 11, 710-7	1.2	364
57	Renal denervation therapy for hypertension: pathways for moving development forward. <i>Journal of the American Society of Hypertension</i> , 2015 , 9, 341-50		29
56	Anatomy of success: the top 100 cited scientific reports focused on hypertension research. <i>Hypertension</i> , 2014 , 63, 641-7	8.5	24
55	Investing in high blood pressure research: a national institutes of health perspective. <i>Hypertension</i> , 2013 , 61, 757-61	8.5	27
54	National Heart, Lung, and Blood Institute and the translation of cardiovascular discoveries into therapeutic approaches. <i>Circulation Research</i> , 2013 , 112, 1212-8	15.7	10
53	Role of uncoupled endothelial nitric oxide synthase in abdominal aortic aneurysm formation: treatment with folic acid. <i>Hypertension</i> , 2012 , 59, 158-66	8.5	80
52	Report of the National Heart, Lung, and Blood Institute Working Group on epigenetics and hypertension. <i>Hypertension</i> , 2012 , 59, 899-905	8.5	81
51	On the value of portfolio diversity in heart, lung, and blood research. <i>Circulation Research</i> , 2012 , 111, 833-6	15.7	8
50	A fluorescence lifetime spectroscopy study of matrix metalloproteinases-2 and -9 in human atherosclerotic plaque. <i>Journal of Biophotonics</i> , 2011 , 4, 650-8	3.1	8
49	Monitoring of arterial wall remodelling in atherosclerotic rabbits with a magnetic resonance imaging contrast agent binding to matrix metalloproteinases. <i>European Heart Journal</i> , 2011 , 32, 1561-71	19.5	46
48	Matrix metalloproteinase-2 and -9 are associated with high stresses predicted using a nonlinear heterogeneous model of arteries. <i>Journal of Biomechanical Engineering</i> , 2009 , 131, 011009	2.1	27
47	Atherosclerosis and matrix metalloproteinases: experimental molecular MR imaging in vivo. <i>Radiology</i> , 2009 , 251, 429-38	20.5	73
46	Will the real plaque vasculature please stand up? Why we need to distinguish the vasa plaquorum from the vasa vasorum. <i>Trends in Cardiovascular Medicine</i> , 2009 , 19, 87-94	6.9	11

45	Plaque rupture in humans and mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 705-13	9.4	202
44	Neointimal cracks (plaque rupture?) and thrombosis in wrapped arteries without flow. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 248-9; author reply 250-2	9.4	8
43	Putative murine models of plaque rupture. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 969-72	9.4	38
42	Matrix Metalloproteinases (MMPs) are necessary for flow-induced arterial remodeling. <i>FASEB Journal</i> , 2007 , 21, A193	0.9	
41	The use of temperature-composition combinatorial libraries to study the effects of biodegradable polymer blend surfaces on vascular cells. <i>Biomaterials</i> , 2005 , 26, 4557-67	15.6	33
40	Matrix metalloproteinase 9 facilitates collagen remodeling and angiogenesis for vascular constructs. <i>Tissue Engineering</i> , 2005 , 11, 267-76		36
39	Vascular oxidant stress enhances progression and angiogenesis of experimental atheroma. <i>Circulation</i> , 2004 , 109, 520-5	16.7	190
38	Compensatory vascular remodeling during atherosclerotic lesion growth depends on matrix metalloproteinase-9 activity. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004 , 24, 2123-9	9.4	36
37	Matrix metalloproteinase-9 is required for adequate angiogenic revascularization of ischemic tissues: potential role in capillary branching. <i>Circulation Research</i> , 2004 , 94, 262-8	15.7	157
36	Vulnerable plaque: the devil is in the details. <i>Circulation</i> , 2004 , 110, 244-6	16.7	25
35	Expansive arterial remodeling: location, location, location. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004 , 24, 650-7	9.4	98
34	Matrix metalloproteinases and vascular endothelium-mononuclear cell close encounters. <i>Trends in Cardiovascular Medicine</i> , 2004 , 14, 105-11	6.9	16
33	The effect of scaffold degradation rate on three-dimensional cell growth and angiogenesis. <i>Biomaterials</i> , 2004 , 25, 5735-42	15.6	613
32	Matrix metalloproteinase-2 and -9 differentially regulate smooth muscle cell migration and cell-mediated collagen organization. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004 , 24, 54-60	9.4	250
31	Cyclophilin A as a novel biphasic mediator of endothelial activation and dysfunction. <i>American Journal of Pathology</i> , 2004 , 164, 1567-74	5.8	118
30	Uniaxial strain upregulates matrix-degrading enzymes produced by human vascular smooth muscle cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003 , 284, H1778-84	5.2	115
29	Quantitative assessment of collagen assembly by live cells. <i>Journal of Biomedical Materials Research Part B</i> , 2003 , 67, 775-84		8
28	Designer blood vessels and therapeutic revascularization. <i>British Journal of Pharmacology</i> , 2003 , 140, 627-36	8.6	33

27	Mechanical strain-stimulated remodeling of tissue-engineered blood vessel constructs. <i>Tissue Engineering</i> , 2003 , 9, 657-66		147
26	From vulnerable plaque to vulnerable patient: a call for new definitions and risk assessment strategies: Part I. <i>Circulation</i> , 2003 , 108, 1664-72	16.7	1985
25	From vulnerable plaque to vulnerable patient: a call for new definitions and risk assessment strategies: Part II. <i>Circulation</i> , 2003 , 108, 1772-8	16.7	886
24	Optimization of isolation and functional characterization of primary murine aortic endothelial cells. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2003 , 10, 103-9		25
23	Expression of matrix metalloproteinase-9 in endothelial cells is differentially regulated by shear stress. Role of c-Myc. <i>Journal of Biological Chemistry</i> , 2003 , 278, 32994-9	5.4	96
22	Expansive arterial remodeling is associated with increased neointimal macrophage foam cell content: the murine model of macrophage-rich carotid artery lesions. <i>Circulation</i> , 2002 , 105, 2686-91	16.7	89
21	Targeted disruption of the matrix metalloproteinase-9 gene impairs smooth muscle cell migration and geometrical arterial remodeling. <i>Circulation Research</i> , 2002 , 91, 852-9	15.7	348
20	Atherosclerotic lesions grow through recruitment and proliferation of circulating monocytes in a murine model. <i>American Journal of Pathology</i> , 2002 , 160, 2145-55	5.8	139
19	The role of matrix metalloproteinase-2 in the remodeling of cell-seeded vascular constructs subjected to cyclic strain. <i>Annals of Biomedical Engineering</i> , 2001 , 29, 923-34	4.7	115
18	Matrix Metalloproteinase Hypothesis of Plaque Rupture. <i>Circulation</i> , 2001 , 104, 1878-1880	16.7	107
17	Early effects of arterial hemodynamic conditions on human saphenous veins perfused ex vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000 , 20, 1889-95	9.4	45
16	Remodeling of carotid artery is associated with increased expression of matrix metalloproteinases in mouse blood flow cessation model. <i>Circulation</i> , 2000 , 102, 2861-6	16.7	166
15	Atheroma morphology and mechanical strength: looks are important, after all--lose the fat. <i>Circulation Research</i> , 2000 , 86, 1-3	15.7	65
14	Transmural pressure induces matrix-degrading activity in porcine arteries ex vivo. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999 , 277, H2002-9	5.2	63
13	Matrix metalloproteinase synthesis and expression in isolated LV myocyte preparations. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999 , 277, H777-87	5.2	50
12	Increased expression of matrix metalloproteinase-2 in the thickened intima of aged rats. <i>Hypertension</i> , 1999 , 33, 116-23	8.5	157
11	Inflammatory cytokines and oxidized low density lipoproteins increase endothelial cell expression of membrane type 1-matrix metalloproteinase. <i>Journal of Biological Chemistry</i> , 1999 , 274, 11924-9	5.4	148
10	Mechanical stretching of human saphenous vein grafts induces expression and activation of matrix-degrading enzymes associated with vascular tissue injury and repair. <i>Experimental and Molecular Pathology</i> , 1999 , 66, 227-37	4.4	63

9	N-acetyl-cysteine decreases the matrix-degrading capacity of macrophage-derived foam cells: new target for antioxidant therapy?. <i>Circulation</i> , 1998 , 97, 2445-53	16.7	142
8	Extracellular matrix modulates macrophage functions characteristic to atheroma: collagen type I enhances acquisition of resident macrophage traits by human peripheral blood monocytes in vitro. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998 , 18, 432-40	9.4	129
7	Myocardial matrix metalloproteinase activity and abundance with congestive heart failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998 , 274, H1516-23	5.2	51
6	Thrombin promotes activation of matrix metalloproteinase-2 produced by cultured vascular smooth muscle cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997 , 17, 483-9	9.4	87
5	Cytokines regulate genes involved in atherogenesis. <i>Annals of the New York Academy of Sciences</i> , 1995 , 748, 158-68; discussion 168-70	6.5	42
4	Enhanced expression of vascular matrix metalloproteinases induced in vitro by cytokines and in regions of human atherosclerotic lesions. <i>Annals of the New York Academy of Sciences</i> , 1995 , 748, 501-7	6.5	203
3	Cytokines regulate vascular functions related to stability of the atherosclerotic plaque. <i>Journal of Cardiovascular Pharmacology</i> , 1995 , 25 Suppl 2, S9-12	3.1	245
2	Proteoglycan synthesis by the neointimal smooth muscle cells cultured from rabbit aortic explants following de-endothelialization. <i>Pathobiology</i> , 1993 , 61, 89-94	3.6	7
1	Sulfated proteoglycans of rabbit aorta: selective extraction and alternative method for glycosaminoglycan moiety analysis. <i>Analytical Biochemistry</i> , 1992 , 204, 390-7	3.1	4