Robert C Wirka

List of Publications by Year
in descending order

21 papers	1,336 citations	14 h-index (623734)	20 g-index (752698)
23 all docs	23 docs citations	23 times ranked	1925 citing authors

#	Article	IF	Citations
1	*ZEB2* Shapes the Epigenetic Landscape of Atherosclerosis. Circulation, 2022, 145, 469-485.	1.6	31
2	Autophagy Is Differentially Regulated in Leukocyte and Nonleukocyte Foam Cells During Atherosclerosis. Circulation Research, 2022, 130, 831-847.	4.5	31
3	Smad3 regulates smooth muscle cell fate and mediates adverse remodeling and calcification of the atherosclerotic plaque. , 2022, 1, 322-333.		21
4	Human Coronary Plaque T Cells Are Clonal and Cross-React to Virus and Self. Circulation Research, 2022, 130, 1510-1530.	4.5	25
5	Embryologic Origin Influences Smooth Muscle Cell Phenotypic Modulation Signatures in Murine Marfan Syndrome Aortic Aneurysm. Arteriosclerosis, Thrombosis, and Vascular Biology, 2022, 42, 1154-1168.	2.4	11
6	AMPA-Type Glutamate Receptors Associated With Vascular Smooth Muscle Cell Subpopulations in Atherosclerosis and Vascular Injury. Frontiers in Cardiovascular Medicine, 2021, 8, 655869.	2.4	7
7	Genomic profiling of human vascular cells identifies TWIST1 as a causal gene for common vascular diseases. PLoS Genetics, 2020, 16, e1008538.	3.5	40
8	PCSK6 Is a Key Protease in the Control of Smooth Muscle Cell Function in Vascular Remodeling. Circulation Research, 2020, 126, 571-585.	4.5	38
9	Coronary Disease-Associated Gene *TCF21* Inhibits Smooth Muscle Cell Differentiation by Blocking the Myocardin-Serum Response Factor Pathway. Circulation Research, 2020, 126, 517-529.	4.5	67
10	Single-Cell Transcriptomic Profiling of Vascular Smooth Muscle Cell Phenotype Modulation in Marfan Syndrome Aortic Aneurysm. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 2195-2211.	2.4	126
11	Molecular mechanisms of coronary disease revealed using quantitative trait loci for TCF21 binding, chromatin accessibility, and chromosomal looping. Genome Biology, 2020, 21, 135.	8.8	16
12	Transcriptomic profiling of experimental arterial injury reveals new mechanisms and temporal dynamics in vascular healing response. JVS Vascular Science, 2020, 1, 13-27.	1.1	10
13	Pro-efferocytic nanoparticles are specifically taken up by lesional macrophages and prevent atherosclerosis. Nature Nanotechnology, 2020, 15, 154-161.	31.5	173
14	Environment-Sensing Aryl Hydrocarbon Receptor Inhibits the Chondrogenic Fate of Modulated Smooth Muscle Cells in Atherosclerotic Lesions. Circulation, 2020, 142, 575-590.	1.6	57
15	Atheroprotective roles of smooth muscle cell phenotypic modulation and the TCF21 disease gene as revealed by single-cell analysis. Nature Medicine, 2019, 25, 1280-1289.	30.7	494
16	TCF21 and AP-1 interact through epigenetic modifications to regulate coronary artery disease gene expression. Genome Medicine, 2019, 11, 23.	8.2	43
17	Advances in Transcriptomics. Circulation Research, 2018, 122, 1200-1220.	4.5	38
18	Coronary artery disease genes SMAD3 and TCF21 promote opposing interactive genetic programs that regulate smooth muscle cell differentiation and disease risk. PLoS Genetics, 2018, 14, e1007681.	3.5	41

#	Article	IF	Citations
19	Circulating peptide prevents preeclampsia. Science, 2017, 357, 643-644.	12.6	5
20	The ESCRT-III pathway facilitates cardiomyocyte release of cBIN1-containing microparticles. PLoS Biology, 2017, 15, e2002354.	5.6	29
21	Genetics and Genomics of Coronary Artery Disease. Current Cardiology Reports, 2016, 18, 102.	2.9	31