

Robert C Wirka

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,336
citations

623734

14
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

1925
citing authors

#	ARTICLE	IF	CITATIONS
1	Atheroprotective roles of smooth muscle cell phenotypic modulation and the TCF21 disease gene as revealed by single-cell analysis. <i>Nature Medicine</i> , 2019, 25, 1280-1289.	30.7	494
2	Pro-efferocytic nanoparticles are specifically taken up by lesional macrophages and prevent atherosclerosis. <i>Nature Nanotechnology</i> , 2020, 15, 154-161.	31.5	173
3	Single-Cell Transcriptomic Profiling of Vascular Smooth Muscle Cell Phenotype Modulation in Marfan Syndrome Aortic Aneurysm. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 2195-2211.	2.4	126
4	Coronary Disease-Associated Gene <i>TCF21</i> Inhibits Smooth Muscle Cell Differentiation by Blocking the Myocardin-Serum Response Factor Pathway. <i>Circulation Research</i> , 2020, 126, 517-529.	4.5	67
5	Environment-Sensing Aryl Hydrocarbon Receptor Inhibits the Chondrogenic Fate of Modulated Smooth Muscle Cells in Atherosclerotic Lesions. <i>Circulation</i> , 2020, 142, 575-590.	1.6	57
6	TCF21 and AP-1 interact through epigenetic modifications to regulate coronary artery disease gene expression. <i>Genome Medicine</i> , 2019, 11, 23.	8.2	43
7	Coronary artery disease genes SMAD3 and TCF21 promote opposing interactive genetic programs that regulate smooth muscle cell differentiation and disease risk. <i>PLoS Genetics</i> , 2018, 14, e1007681.	3.5	41
8	Genomic profiling of human vascular cells identifies TWIST1 as a causal gene for common vascular diseases. <i>PLoS Genetics</i> , 2020, 16, e1008538.	3.5	40
9	Advances in Transcriptomics. <i>Circulation Research</i> , 2018, 122, 1200-1220.	4.5	38
10	PCSK6 Is a Key Protease in the Control of Smooth Muscle Cell Function in Vascular Remodeling. <i>Circulation Research</i> , 2020, 126, 571-585.	4.5	38
11	Genetics and Genomics of Coronary Artery Disease. <i>Current Cardiology Reports</i> , 2016, 18, 102.	2.9	31
12	<i>ZEB2</i> Shapes the Epigenetic Landscape of Atherosclerosis. <i>Circulation</i> , 2022, 145, 469-485.	1.6	31
13	Autophagy Is Differentially Regulated in Leukocyte and Nonleukocyte Foam Cells During Atherosclerosis. <i>Circulation Research</i> , 2022, 130, 831-847.	4.5	31
14	The ESCRT-III pathway facilitates cardiomyocyte release of cBIN1-containing microparticles. <i>PLoS Biology</i> , 2017, 15, e2002354.	5.6	29
15	Human Coronary Plaque T Cells Are Clonal and Cross-React to Virus and Self. <i>Circulation Research</i> , 2022, 130, 1510-1530.	4.5	25
16	Smad3 regulates smooth muscle cell fate and mediates adverse remodeling and calcification of the atherosclerotic plaque. , 2022, 1, 322-333.		21
17	Molecular mechanisms of coronary disease revealed using quantitative trait loci for TCF21 binding, chromatin accessibility, and chromosomal looping. <i>Genome Biology</i> , 2020, 21, 135.	8.8	16
18	Embryologic Origin Influences Smooth Muscle Cell Phenotypic Modulation Signatures in Murine Marfan Syndrome Aortic Aneurysm. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022, 42, 1154-1168.	2.4	11

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19	Transcriptomic profiling of experimental arterial injury reveals new mechanisms and temporal dynamics in vascular healing response. <i>JVS Vascular Science</i> , 2020, 1, 13-27.	1.1	10
20	AMPA-Type Glutamate Receptors Associated With Vascular Smooth Muscle Cell Subpopulations in Atherosclerosis and Vascular Injury. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 655869.	2.4	7
21	Circulating peptide prevents preeclampsia. <i>Science</i> , 2017, 357, 643-644.	12.6	5