

Kristy Red-Horse

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

3,184
citations

218677

26
h-index

377865

34
g-index

44
all docs

44
docs citations

44
times ranked

4188
citing authors

#	ARTICLE	IF	CITATIONS
1	Coronary arteries form by developmental reprogramming of venous cells. <i>Nature</i> , 2010, 464, 549-553.	27.8	476
2	Developmental Heterogeneity of Cardiac Fibroblasts Does Not Predict Pathological Proliferation and Activation. <i>Circulation Research</i> , 2014, 115, 625-635.	4.5	258
3	Single-cell analysis of early progenitor cells that build coronary arteries. <i>Nature</i> , 2018, 559, 356-362.	27.8	190
4	Subepicardial endothelial cells invade the embryonic ventricle wall to form coronary arteries. <i>Cell Research</i> , 2013, 23, 1075-1090.	12.0	176
5	The sinus venosus contributes to coronary vasculature through VEGFC-stimulated angiogenesis. <i>Development (Cambridge)</i> , 2014, 141, 4500-4512.	2.5	173
6	Pericytes are progenitors for coronary artery smooth muscle. <i>ELife</i> , 2015, 4, .	6.0	162
7	A Unique Collateral Artery Development Program Promotes Neonatal Heart Regeneration. <i>Cell</i> , 2019, 176, 1128-1142.e18.	28.9	162
8	Single-Cell RNA Sequencing Unveils Unique Transcriptomic Signatures of Organ-Specific Endothelial Cells. <i>Circulation</i> , 2020, 142, 1848-1862.	1.6	157
9	Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes as an In Vitro Model for Coxsackievirus B3-Induced Myocarditis and Antiviral Drug Screening Platform. <i>Circulation Research</i> , 2014, 115, 556-566.	4.5	134
10	Wnt Activation and Reduced Cell-Cell Contact Synergistically Induce Massive Expansion of Functional Human iPSC-Derived Cardiomyocytes. <i>Cell Stem Cell</i> , 2020, 27, 50-63.e5.	11.1	112
11	Genetic targeting of sprouting angiogenesis using <i>Apln-CreER</i> . <i>Nature Communications</i> , 2015, 6, 6020.	12.8	111
12	VEGF-C and aortic cardiomyocytes guide coronary artery stem development. <i>Journal of Clinical Investigation</i> , 2014, 124, 4899-4914.	8.2	89
13	Alternative Progenitor Cells Compensate to Rebuild the Coronary Vasculature in <i>Elabela-</i> and <i>Apj-</i> Deficient Hearts. <i>Developmental Cell</i> , 2017, 42, 655-666.e3.	7.0	88
14	Radial Construction of an Arterial Wall. <i>Developmental Cell</i> , 2012, 23, 482-493.	7.0	82
15	Coronary Artery Development: Progenitor Cells and Differentiation Pathways. <i>Annual Review of Physiology</i> , 2017, 79, 1-19.	13.1	77
16	DACH1 stimulates shear stress-guided endothelial cell migration and coronary artery growth through the CXCL12-CXCR4 signaling axis. <i>Genes and Development</i> , 2017, 31, 1308-1324.	5.9	77
17	Distinct origins and molecular mechanisms contribute to lymphatic formation during cardiac growth and regeneration. <i>ELife</i> , 2019, 8, .	6.0	76
18	A molecular map of murine lymph node blood vascular endothelium at single cell resolution. <i>Nature Communications</i> , 2020, 11, 3798.	12.8	74

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19	Endothelial deletion of Ino80 disrupts coronary angiogenesis and causes congenital heart disease. <i>Nature Communications</i> , 2018, 9, 368.	12.8	71
20	Endothelial cells respond to the direction of mechanical stimuli through SMAD signaling to regulate coronary artery size. <i>Development (Cambridge)</i> , 2017, 144, 3241-3252.	2.5	66
21	Endothelial APLNR regulates tissue fatty acid uptake and is essential for apelin's glucose-lowering effects. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	61
22	Veins and Arteries Build Hierarchical Branching Patterns Differently: Bottom-Up versus Top-Down. <i>BioEssays</i> , 2019, 41, e1800198.	2.5	55
23	Whole-body tracking of single cells via positron emission tomography. <i>Nature Biomedical Engineering</i> , 2020, 4, 835-844.	22.5	46
24	Endocardial/endothelial angiocrines regulate cardiomyocyte development and maturation and induce features of ventricular non-compaction. <i>European Heart Journal</i> , 2021, 42, 4264-4276.	2.2	41
25	MicroRNA 139-5p coordinates APLNR-CXCR4 crosstalk during vascular maturation. <i>Nature Communications</i> , 2016, 7, 11268.	12.8	37
26	miR-106a's 363 cluster in extracellular vesicles promotes endogenous myocardial repair via Notch3 pathway in ischemic heart injury. <i>Basic Research in Cardiology</i> , 2021, 116, 19.	5.9	34
27	Dach1 Extends Artery Networks and Protects Against Cardiac Injury. <i>Circulation Research</i> , 2021, 129, 702-716.	4.5	28
28	Coronary blood vessels from distinct origins converge to equivalent states during mouse and human development. <i>ELife</i> , 2021, 10, .	6.0	15
29	Generating human artery and vein cells from pluripotent stem cells highlights the arterial tropism of Nipah and Hendra viruses. <i>Cell</i> , 2022, 185, 2523-2541.e30.	28.9	13
30	Endothelial ontogeny and the establishment of vascular heterogeneity. <i>BioEssays</i> , 2021, 43, e2100036.	2.5	10
31	Cellular plasticity in cardiovascular development and disease. <i>Developmental Dynamics</i> , 2017, 246, 328-335.	1.8	6
32	Enhancing cardiovascular research with whole-organ imaging. <i>Current Opinion in Hematology</i> , 2021, 28, 214-220.	2.5	5
33	In Vitro Model of Coronary Angiogenesis. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	4
34	New Research Is Shining Light on How Collateral Arteries Form in the Heart: a Future Therapeutic Direction?. <i>Current Cardiology Reports</i> , 2021, 23, 30.	2.9	4
35	Targeting calcineurin induces cardiomyocyte proliferation in adult mice. , 2022, 1, 679-688.		2
36	A new resource for human coronary vessel development. <i>Cardiovascular Research</i> , 0, , .	3.8	0