

Zebrafish Model for Functional Screening of Flow-Respon

Arteriosclerosis, Thrombosis, and Vascular Biology

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Shear stress induces endothelial-to-mesenchymal transition via the transcription factor Snail. <i>Scientific Reports</i> , 2017, 7, 3375.	1.6	138
2	Mechanical Activation of Hypoxia-Inducible Factor 1 α Drives Endothelial Dysfunction at Atheroprone Sites. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 2087-2101.	1.1	154
3	Vascular Development. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, e17-e24.	1.1	58
4	Mechanical stretch induced transcriptomic profiles in cardiac myocytes. <i>Scientific Reports</i> , 2018, 8, 4733.	1.6	51
5	Mechanoactivation of Wnt/ β -catenin pathways in health and disease. <i>Emerging Topics in Life Sciences</i> , 2018, 2, 701-712.	1.1	17
6	Highlight on Endothelial Activation and Beyond. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, e198-e201.	1.1	20
7	Reporting Sex and Sex Differences in Preclinical Studies. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018, 38, e171-e184.	1.1	13
8	Family History of MI, Smoking, and Risk of Periodontal Disease. <i>Journal of Dental Research</i> , 2018, 97, 1106-1113.	2.5	12
9	Endothelial Response to Pathophysiological Stress. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, e233-e243.	1.1	90
10	ANGPTL4 in Metabolic and Cardiovascular Disease. <i>Trends in Molecular Medicine</i> , 2019, 25, 723-734.	3.5	118
11	Understanding mechanobiology in cultured endothelium: A review of the orbital shaker method. <i>Atherosclerosis</i> , 2019, 285, 170-177.	0.4	49
12	Updates on Approaches for Studying Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, e108-e117.	1.1	17
13	GATA4-Twist1 Signalling in Disturbed Flow-Induced Atherosclerosis. <i>Cardiovascular Drugs and Therapy</i> , 2019, 33, 231-237.	1.3	12
14	Endothelial responses to shear stress in atherosclerosis: a novel role for developmental genes. <i>Nature Reviews Cardiology</i> , 2020, 17, 52-63.	6.1	270
15	Excitation-Contractin Coupling in the Goldfish (<i>Carassius auratus</i>) Intact Heart. <i>Frontiers in Physiology</i> , 2020, 11, 1103.	1.3	2
16	β -catenin promotes endothelial survival by regulating eNOS activity and flow-dependent anti-apoptotic gene expression. <i>Cell Death and Disease</i> , 2020, 11, 493.	2.7	22
17	Zebrafish as a tractable model of human cardiovascular disease. <i>British Journal of Pharmacology</i> , 2022, 179, 900-917.	2.7	70
18	Assessment of heterogeneity in collective endothelial cell behavior with multicolor clonal cell tracking to predict arteriovenous remodeling. <i>Cell Reports</i> , 2021, 36, 109395.	2.9	2

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19	Inflammatory Mechanisms Contributing to Endothelial Dysfunction. <i>Biomedicines</i> , 2021, 9, 781.	1.4	192
20	Applying Bioinformatic Platforms, In Vitro, and In Vivo Functional Assays in the Characterization of Genetic Variants in the GH/IGF Pathway Affecting Growth and Development. <i>Cells</i> , 2021, 10, 2063.	1.8	4
21	The effect of absent blood flow on the zebrafish cerebral and trunk vasculature. <i>Vascular Biology (Bristol, England)</i> , 2021, 3, 1-16.	1.2	8
22	Disturbed flow's impact on cellular changes indicative of vascular aneurysm initiation, expansion, and rupture: A pathological and methodological review. <i>Journal of Cellular Physiology</i> , 2022, 237, 278-300.	2.0	17
23	Microplastics induced developmental toxicity with microcirculation dysfunction in zebrafish embryos. <i>Chemosphere</i> , 2022, 286, 131868.	4.2	18
25	Vascular Damage in Obesity and Diabetes: Highlighting Links Between Endothelial Dysfunction and Metabolic Disease in Zebrafish and Man. <i>Current Vascular Pharmacology</i> , 2019, 17, 476-490.	0.8	19
26	Quantifying endothelial cell proliferation in the zebrafish embryo. <i>F1000Research</i> , 0, 10, 1032.	0.8	0
30	Mechanism of cell death of endothelial cells regulated by mechanical forces. <i>Journal of Biomechanics</i> , 2022, 131, 110917.	0.9	12
31	Simultaneous imaging of calcium and contraction in the beating heart of zebrafish larvae. <i>Theranostics</i> , 2022, 12, 1012-1029.	4.6	6
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34	The mechanism and effects of remdesivir-induced developmental toxicity in zebrafish: Blood flow dysfunction and behavioral alterations. <i>Journal of Applied Toxicology</i> , 2022, 42, 1688-1700.	1.4	2
35	NO Synthesis but Not Apoptosis, Mitosis or Inflammation Can Explain Correlations between Flow Directionality and Paracellular Permeability of Cultured Endothelium. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8076.	1.8	3
36	Integrating particle tracking with computational fluid dynamics to assess haemodynamic perturbation by coronary artery stents. <i>PLoS ONE</i> , 2022, 17, e0271469.	1.1	2
37	DNA damage response and GATA4 signaling in cellular senescence and aging-related pathology. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	3
38	JAG1-NOTCH4 mechanosensing drives atherosclerosis. <i>Science Advances</i> , 2022, 8, .	4.7	11
39	Impact of spatial and temporal stability of flow vortices on vascular endothelial cells. <i>Biomechanics and Modeling in Mechanobiology</i> , 0, , .	1.4	1
40	Effects of shear stress on vascular endothelial functions in atherosclerosis and potential therapeutic approaches. <i>Biomedicine and Pharmacotherapy</i> , 2023, 158, 114198.	2.5	15

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41	EVA1A (Eva-1 Homolog A) Promotes Endothelial Apoptosis and Inflammatory Activation Under Disturbed Flow Via Regulation of Autophagy. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2023, 43, 547-561.	1.1	3
42	Organ-on-a-chip technologies for biomedical research and drug development: A focus on the vasculature. , 2023, 2, .		7
43	Disturbed flow increases endothelial inflammation and permeability via a Frizzled-4- β -catenin-dependent pathway. <i>Journal of Cell Science</i> , 2023, 136, .	1.2	2
44	Mechanism of Non-Canonical Regulation Pathways of HIF-1 α and Their Possible Applications in Cartilage Medical Bioengineering. , 0, 36, 1313-1317.		0