

# Huseyin C Yalcin

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/1497748/huseyin-c-yalcin-publications-by-citations.pdf>

**Version:** 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

34 papers	600 citations	14 h-index	24 g-index
43 ext. papers	811 ext. citations	4.1 avg, IF	4.53 L-index

#	Paper	IF	Citations
34	Mechanical regulation of cardiac development. <i>Frontiers in Physiology</i> , <b>2014</b> , 5, 318	4.6	84
33	Heart function and hemodynamic analysis for zebrafish embryos. <i>Developmental Dynamics</i> , <b>2017</b> , 246, 868-880	2.9	61
32	Hemodynamic patterning of the avian atrioventricular valve. <i>Developmental Dynamics</i> , <b>2011</b> , 240, 23-35	2.9	59
31	Using Zebrafish for Investigating the Molecular Mechanisms of Drug-Induced Cardiotoxicity. <i>BioMed Research International</i> , <b>2018</b> , 2018, 1642684	3	58
30	Quantitative three-dimensional imaging of live avian embryonic morphogenesis via micro-computed tomography. <i>Developmental Dynamics</i> , <b>2011</b> , 240, 1949-57	2.9	36
29	An ex-ovo chicken embryo culture system suitable for imaging and microsurgery applications. <i>Journal of Visualized Experiments</i> , <b>2010</b> ,	1.6	36
28	Computational fluid dynamics of developing avian outflow tract heart valves. <i>Annals of Biomedical Engineering</i> , <b>2012</b> , 40, 2212-27	4.7	30
27	Two-photon microscopy-guided femtosecond-laser photoablation of avian cardiogenesis: noninvasive creation of localized heart defects. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2010</b> , 299, H1728-35	5.2	29
26	Characterization of Endothelial Cilia Distribution During Cerebral-Vascular Development in Zebrafish ( <i>Danio rerio</i> ). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2018</b> , 38, 2806-2818	9.4	25
25	Cyclic Mechanical Loading Is Essential for Rac1-Mediated Elongation and Remodeling of the Embryonic Mitral Valve. <i>Current Biology</i> , <b>2016</b> , 26, 27-37	6.3	24
24	Growth and hemodynamics after early embryonic aortic arch occlusion. <i>Biomechanics and Modeling in Mechanobiology</i> , <b>2015</b> , 14, 735-51	3.8	23
23	Electrospun polylactic acid/date palm polyphenol extract nanofibres for tissue engineering applications. <i>Emergent Materials</i> , <b>2019</b> , 2, 141-151	3.5	17
22	From Acellular Matrices to Smart Polymers: Degradable Scaffolds that are Transforming the Shape of Urethral Tissue Engineering. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	15
21	Advanced blood flow assessment in Zebrafish via experimental digital particle image velocimetry and computational fluid dynamics modeling. <i>Micron</i> , <b>2020</b> , 130, 102801	2.3	14
20	Adaptation of a Mice Doppler Echocardiography Platform to Measure Cardiac Flow Velocities for Embryonic Chicken and Adult Zebrafish. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2019</b> , 7, 96	5.8	13
19	Cardiac function and blood flow hemodynamics assessment of zebrafish ( <i>Danio rerio</i> ) using high-speed video microscopy. <i>Micron</i> , <b>2020</b> , 136, 102876	2.3	10
18	Femtosecond laser photodisruption of vitelline vessels of avian embryos as a technique to study embryonic vascular remodeling. <i>Experimental Biology and Medicine</i> , <b>2014</b> , 239, 1644-52	3.7	6

17	Do Changes in Expression Affect SARS-CoV-2 Virulence and Related Complications: A Closer Look into Membrane-Bound and Soluble Forms. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	6
16	Computational Modeling of Blood Flow Hemodynamics for Biomechanical Investigation of Cardiac Development and Disease. <i>Journal of Cardiovascular Development and Disease</i> , <b>2021</b> , 8,	4.2	6
15	Functional characterization of human myosin-binding protein C3 variants associated with hypertrophic cardiomyopathy reveals exon-specific cardiac phenotypes in zebrafish model. <i>Journal of Cellular Physiology</i> , <b>2020</b> , 235, 7870-7888	7	5
14	Hemodynamic Studies for Analyzing the Teratogenic Effects of Drugs in the Zebrafish Embryo. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1797, 487-495	1.4	5
13	Fluid Flow Characteristics of Healthy and Calcified Aortic Valves Using Three-Dimensional Lagrangian Coherent Structures Analysis. <i>Fluids</i> , <b>2021</b> , 6, 203	1.6	5
12	Effect of left atrial ligation-driven altered inflow hemodynamics on embryonic heart development: clues for prenatal progression of hypoplastic left heart syndrome. <i>Biomechanics and Modeling in Mechanobiology</i> , <b>2021</b> , 20, 733-750	3.8	5
11	A novel in ovo model to study cancer metastasis using chicken embryos and GFP expressing cancer cells. <i>Bosnian Journal of Basic Medical Sciences</i> , <b>2020</b> , 20, 140-148	3.3	3
10	Mechanosensitive Pathways in Heart Development: Findings from Chick Embryo Studies. <i>Journal of Cardiovascular Development and Disease</i> , <b>2021</b> , 8,	4.2	3
9	Zebrafish as a Model for Anticancer Nanomedicine Studies. <i>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	2
8	Computational Analysis of Wall Shear Stress Patterns on Calcified and Bicuspid Aortic Valves: Focus on Radial and Coaptation Patterns. <i>Fluids</i> , <b>2021</b> , 6, 287	1.6	2
7	Reduced Cardiotoxicity of Ponatinib-Loaded PLGA-PEG-PLGA Nanoparticles in Zebrafish Xenograft Model. <i>Materials</i> , <b>2022</b> , 15, 3960	3.5	2
6	The First International Zebrafish Conference/Workshop in Qatar. <i>Zebrafish</i> , <b>2019</b> , 16, 493-495	2	1
5	Inhibition of p90 ribosomal S6 kinase potentiates cisplatin activity in A549 human lung adenocarcinoma cells. <i>Journal of Pharmacy and Pharmacology</i> , <b>2020</b> , 72, 1536-1545	4.8	1
4	Effect of cell-phone radiofrequency on angiogenesis and cell invasion in human head and neck cancer cells. <i>Head and Neck</i> , <b>2018</b> , 40, 2166-2171	4.2	1
3	Hemodynamic and Structural Comparison of Human Fetal Heart Development Between Normally Growing and Hypoplastic Left Heart Syndrome-Diagnosed Hearts.. <i>Frontiers in Physiology</i> , <b>2022</b> , 13, 856879	4.6	0
2	Blood Flow Disturbance and Morphological Alterations Following the Right Atrial Ligation in the Chick Embryo.. <i>Frontiers in Physiology</i> , <b>2022</b> , 13, 849603	4.6	0
1	Soluble ACE2 and angiotensin II levels are modulated in hypertensive COVID-19 patients treated with different antihypertension drugs.. <i>Blood Pressure</i> , <b>2022</b> , 31, 80-90	1.7	0