Huseyin C Yalcin

List of Publications by Year in Descending Order

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	Hemodynamic and Structural Comparison of Human Fetal Heart Development Between Normally Growing and Hypoplastic Left Heart Syndrome-Diagnosed Hearts.. *Frontiers in Physiology*, **2022**, 13, 856879	4.6	0
33	Blood Flow Disturbance and Morphological Alterations Following the Right Atrial Ligation in the Chick Embryo.. *Frontiers in Physiology*, **2022**, 13, 849603	4.6	0
32	Soluble ACE2 and angiotensin II levels are modulated in hypertensive COVID-19 patients treated with different antihypertension drugs.. *Blood Pressure*, **2022**, 31, 80-90	1.7	0
31	Reduced Cardiotoxicity of Ponatinib-Loaded PLGA-PEG-PLGA Nanoparticles in Zebrafish Xenograft Model. *Materials*, **2022**, 15, 3960	3.5	2
30	Mechanosensitive Pathways in Heart Development: Findings from Chick Embryo Studies. *Journal of Cardiovascular Development and Disease*, **2021**, 8,	4.2	3
29	Fluid Flow Characteristics of Healthy and Calcified Aortic Valves Using Three-Dimensional Lagrangian Coherent Structures Analysis. *Fluids*, **2021**, 6, 203	1.6	5
28	Do Changes in Expression Affect SARS-CoV-2 Virulence and Related Complications: A Closer Look into Membrane-Bound and Soluble Forms. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	6
27	Zebrafish as a Model for Anticancer Nanomedicine Studies. *Pharmaceuticals*, **2021**, 14,	5.2	2
26	Computational Modeling of Blood Flow Hemodynamics for Biomechanical Investigation of Cardiac Development and Disease. *Journal of Cardiovascular Development and Disease*, **2021**, 8,	4.2	6
25	Computational Analysis of Wall Shear Stress Patterns on Calcified and Bicuspid Aortic Valves: Focus on Radial and Coaptation Patterns. *Fluids*, **2021**, 6, 287	1.6	2
24	Effect of left atrial ligation-driven altered inflow hemodynamics on embryonic heart development: clues for prenatal progression of hypoplastic left heart syndrome. *Biomechanics and Modeling in Mechanobiology*, **2021**, 20, 733-750	3.8	5
23	Cardiac function and blood flow hemodynamics assessment of zebrafish (Danio rerio) using high-speed video microscopy. *Micron*, **2020**, 136, 102876	2.3	10
22	Functional characterization of human myosin-binding protein C3 variants associated with hypertrophic cardiomyopathy reveals exon-specific cardiac phenotypes in zebrafish model. *Journal of Cellular Physiology*, **2020**, 235, 7870-7888	7	5
21	A novel in ovo model to study cancer metastasis using chicken embryos and GFP expressing cancer cells. *Bosnian Journal of Basic Medical Sciences*, **2020**, 20, 140-148	3.3	3
20	Advanced blood flow assessment in Zebrafish via experimental digital particle image velocimetry and computational fluid dynamics modeling. *Micron*, **2020**, 130, 102801	2.3	14
19	Inhibition of p90 ribosomal S6 kinase potentiates cisplatin activity in A549 human lung adenocarcinoma cells. *Journal of Pharmacy and Pharmacology*, **2020**, 72, 1536-1545	4.8	1
18	The First International Zebrafish Conference/Workshop in Qatar. *Zebrafish*, **2019**, 16, 493-495	2	1

17	Adaptation of a Mice Doppler Echocardiography Platform to Measure Cardiac Flow Velocities for Embryonic Chicken and Adult Zebrafish. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 96	5.8	13
16	From Acellular Matrices to Smart Polymers: Degradable Scaffolds that are Transforming the Shape of Urethral Tissue Engineering. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	15
15	Electrospun polylactic acid/date palm polyphenol extract nanofibres for tissue engineering applications. *Emergent Materials*, **2019**, 2, 141-151	3.5	17
14	Hemodynamic Studies for Analyzing the Teratogenic Effects of Drugs in the Zebrafish Embryo. *Methods in Molecular Biology*, **2018**, 1797, 487-495	1.4	5
13	Using Zebrafish for Investigating the Molecular Mechanisms of Drug-Induced Cardiotoxicity. *BioMed Research International*, **2018**, 2018, 1642684	3	58
12	Characterization of Endothelial Cilia Distribution During Cerebral-Vascular Development in Zebrafish (Danio rerio). *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2018**, 38, 2806-2818	9.4	25
11	Effect of cell-phone radiofrequency on angiogenesis and cell invasion in human head and neck cancer cells. *Head and Neck*, **2018**, 40, 2166-2171	4.2	1
10	Heart function and hemodynamic analysis for zebrafish embryos. *Developmental Dynamics*, **2017**, 246, 868-880	2.9	61
9	Cyclic Mechanical Loading Is Essential for Rac1-Mediated Elongation and Remodeling of the Embryonic Mitral Valve. *Current Biology*, **2016**, 26, 27-37	6.3	24
8	Growth and hemodynamics after early embryonic aortic arch occlusion. *Biomechanics and Modeling in Mechanobiology*, **2015**, 14, 735-51	3.8	23
7	Femtosecond laser photodisruption of vitelline vessels of avian embryos as a technique to study embryonic vascular remodeling. *Experimental Biology and Medicine*, **2014**, 239, 1644-52	3.7	6
6	Mechanical regulation of cardiac development. *Frontiers in Physiology*, **2014**, 5, 318	4.6	84
5	Computational fluid dynamics of developing avian outflow tract heart valves. *Annals of Biomedical Engineering*, **2012**, 40, 2212-27	4.7	30
4	Hemodynamic patterning of the avian atrioventricular valve. *Developmental Dynamics*, **2011**, 240, 23-35	2.9	59
3	Quantitative three-dimensional imaging of live avian embryonic morphogenesis via micro-computed tomography. *Developmental Dynamics*, **2011**, 240, 1949-57	2.9	36
2	Two-photon microscopy-guided femtosecond-laser photoablation of avian cardiogenesis: noninvasive creation of localized heart defects. *American Journal of Physiology - Heart and Circulatory Physiology*, **2010**, 299, H1728-35	5.2	29
1	An ex-ovo chicken embryo culture system suitable for imaging and microsurgery applications. *Journal of Visualized Experiments*, **2010**,	1.6	36