Andreas A Werdich

List of Publications by Year
in descending order

32 papers	3,127 citations	361413 20 h-index	526287 27 g-index
35 all docs	35 docs citations	35 times ranked	5130 citing authors

#	Article	IF	Citations
1	Rapid Zebrafish Behavioral Profiling Assay Accelerates the Identification of Environmental Neurodevelopmental Toxicants. Environmental Science & Technology, 2021, 55, 1919-1929.	10.0	24
2	Ibuprofen and diclofenac impair the cardiovascular development of zebrafish (Danio rerio) at low concentrations. Environmental Pollution, 2020, 258, 113613.	7.5	68
3	Metastable Atrial State Underlies the Primary Genetic Substrate for MYL4 Mutation-Associated Atrial Fibrillation. Circulation, 2020, 141, 301-312.	1.6	28
4	LITAF (Lipopolysaccharide-Induced Tumor Necrosis Factor) Regulates Cardiac L-Type Calcium Channels by Modulating NEDD (Neural Precursor Cell Expressed Developmentally Downregulated Protein) 4-1 Ubiquitin Ligase. Circulation Genomic and Precision Medicine, 2019, 12, 407-420.	3.6	9
5	LITAF regulates action potential duration by modulating NEDD4â€1â€mediated degradation of Lâ€type calcium channels. FASEB Journal, 2019, 33, 824.19.	0.5	0
6	<i>nkx</i>genes establish SHF cardiomyocyte progenitors at the arterial pole and pattern the venous pole through Isl1 repression. Development (Cambridge), 2018, 145, .	2.5	23
7	Cardiac Nav1.5 Channel is Regulated by LITAF. FASEB Journal, 2018, 32, 533.81.	0.5	0
8	Endocardial TRPC-6 Channels Act as AtrialÂMechanosensors and Load-Dependent Modulators of Endocardial/Myocardial Cross-Talk. JACC Basic To Translational Science, 2017, 2, 575-590.	4.1	23
9	An infrared optical pacing system for screening cardiac electrophysiology in human cardiomyocytes. PLoS ONE, 2017, 12, e0183761.	2.5	27
10	Phosphorylation at Connexin43 Serineâ€368 Is Necessary for Myocardial Conduction During Metabolic Stress. Journal of Cardiovascular Electrophysiology, 2016, 27, 110-119.	1.7	9
11	Mapping conduction velocity of early embryonic hearts with a robust fitting algorithm. Biomedical Optics Express, 2015, 6, 2138.	2.9	11
12	Chamber identity programs drive early functional partitioning of the heart. Nature Communications, 2015, 6, 8146.	12.8	103
13	Abstract 17672: Myosin Binding Protein C Gene Mutation (S593Pfs*9) Induces Heart Failure and Reduced Ca Transient Amplitude in Zebrafish. Circulation, 2015, 132, .	1.6	0
14	RING Finger Protein RNF207, a Novel Regulator of Cardiac Excitation. Journal of Biological Chemistry, 2014, 289, 33730-33740.	3.4	38
15	Fine Mapping of the 1p36 Deletion Syndrome Identifies Mutation of PRDM16 as a Cause of Cardiomyopathy. American Journal of Human Genetics, 2013, 93, 67-77.	6.2	164
16	Chemical and metabolomic screens identify novel biomarkers and antidotes for cyanide exposure. FASEB Journal, 2013, 27, 1928-1938.	0.5	38
17	The zebrafish as a novel animal model to study the molecular mechanisms of mechano-electrical feedback in the heart. Progress in Biophysics and Molecular Biology, 2012, 110, 154-165.	2.9	31
18	Controlling the contractile strength of engineered cardiac muscle by hierarchal tissue architecture. Biomaterials, 2012, 33, 5732-5741.	11.4	195

#	Article	IF	Citations
19	The regenerative capacity of zebrafish reverses cardiac failure caused by genetic cardiomyocyte depletion. Development (Cambridge), 2011, 138, 3421-3430.	2.5	339
20	Hadp1, a newly identified pleckstrin homology domain protein, is required for cardiac contractility in zebrafish. DMM Disease Models and Mechanisms, 2011, 4, 607-621.	2.4	24
21	Human cardiomyopathy mutations induce myocyte hyperplasia and activate hypertrophic pathways during cardiogenesis in zebrafish. DMM Disease Models and Mechanisms, 2011, 4, 400-410.	2.4	55
22	Hierarchical architecture influences calcium dynamics in engineered cardiac muscle. Experimental Biology and Medicine, 2011, 236, 366-373.	2.4	58
23	Primary contribution to zebrafish heart regeneration by gata4+ cardiomyocytes. Nature, 2010, 464, 601-605.	27.8	965
24	Wnt11 patterns a myocardial electrical gradient through regulation of the L-type Ca2+ channel. Nature, 2010, 466, 874-878.	27.8	127
25	Rapid behavior-based identification of neuroactive small molecules in the zebrafish. Nature Chemical Biology, 2010, 6, 231-237.	8.0	482
26	Differential effects of phospholamban and Ca²⁺/calmodulin-dependent kinase II on [Ca²⁺]_itransients in cardiac myocytes at physiological stimulation frequencies. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H2352-H2362.	3.2	9
27	Polymorphic ventricular tachycardia and abnormal Ca2+ handling in very-long-chain acyl-CoA dehydrogenase null mice. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 292, H2202-H2211.	3.2	21
28	Differential pH measurements of metabolic cellular activity in nl culture volumes using microfabricated iridium oxide electrodes. Biosensors and Bioelectronics, 2007, 22, 1303-1310.	10.1	59
29	P5-11. Heart Rhythm, 2006, 3, S263.	0.7	0
30	Thin-film IrO pH microelectrode for microfluidic-based microsystems. Biosensors and Bioelectronics, 2005, 21, 248-256.	10.1	108
31	A microfluidic device to confine a single cardiac myocyte in a sub-nanoliter volume on planar microelectrodes for extracellular potential recordings. Lab on A Chip, 2004, 4, 357.	6.0	83
32	Wnt Signaling Interactor WTIP (Wilms Tumor Interacting Protein) Underlies Novel Mechanism for Cardiac Hypertrophy. Circulation Genomic and Precision Medicine, 0, , .	3.6	0