Steffen Just

List of Publications by Year
in descending order

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84	5,677	136740	76769
papers	citations	32 h-index	74 g-index

86	86	86	9571
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MicroRNA-21 contributes to myocardial disease by stimulating MAP kinase signalling in fibroblasts. Nature, 2008, 456, 980-984.	13.7	2,111
2	MicroRNA signatures in total peripheral blood as novel biomarkers for acute myocardial infarction. Basic Research in Cardiology, 2011, 106, 13-23.	2.5	242
3	Regulation of muscle development by DPF3, a novel histone acetylation and methylation reader of the BAF chromatin remodeling complex. Genes and Development, 2008, 22, 2370-2384.	2.7	204
4	Integrin-linked kinase, a novel component of the cardiac mechanical stretch sensor, controls contractility in the zebrafish heart. Genes and Development, 2006, 20, 2361-2372.	2.7	180
5	Nexilin mutations destabilize cardiac Z-disks and lead to dilated cardiomyopathy. Nature Medicine, 2009, 15, 1281-1288.	15.2	180
6	Targeted Next-Generation Sequencing for the Molecular Genetic Diagnostics of Cardiomyopathies. Circulation: Cardiovascular Genetics, 2011, 4, 110-122.	5.1	155
7	Smyd2 controls cytoplasmic lysine methylation of Hsp90 and myofilament organization. Genes and Development, 2012, 26, 114-119.	2.7	138
8	IFITM proteins promote SARS-CoV-2 infection and are targets for virus inhibition in vitro. Nature Communications, 2021, 12, 4584.	5.8	129
9	Cardiac Myosin Light Chain-2. Circulation Research, 2006, 99, 323-331.	2.0	124
10	VEGF-PLCÂ1 pathway controls cardiac contractility in the embryonic heart. Genes and Development, 2005, 19, 1624-1634.	2.7	118
11	Deficient Zebrafish Ether-aÌ€-Go-Go â€“Related Gene Channel Gating Causes Short-QT Syndrome in Zebrafish Reggae Mutants. Circulation, 2008, 117, 866-875.	1.6	115
12	Developmental alterations in centrosome integrity contribute to the post-mitotic state of mammalian cardiomyocytes. ELife, 2015, 4, .	2.8	105
13	The myosin-interacting protein SMYD1 is essential for sarcomere organization. Journal of Cell Science, 2011, 124, 3127-3136.	1.2	91
14	The interaction of nucleoside diphosphate kinase B with GÎ²Î³ dimers controls heterotrimeric G protein function. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16269-16274.	3.3	72
15	Lysine methyltransferase Smyd2 regulates Hsp90-mediated protection of the sarcomeric titin springs and cardiac function. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 812-822.	1.9	71
16	Islet1 is a direct transcriptional target of the homeodomain transcription factor Shox2 and rescues the Shox2-mediated bradycardia. Basic Research in Cardiology, 2013, 108, 339.	2.5	69
17	The toxic effect of R350P mutant desmin in striated muscle of man and mouse. Acta Neuropathologica, 2015, 129, 297-315.	3.9	66
18	Sodium permeable and â€œhypersensitiveâ€•<scp>TREK</scp> â€1 channels cause ventricular tachycardia. EMBO Molecular Medicine, 2017, 9, 403-414.	3.3	65

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19	Strumpellin is a novel valosin-containing protein binding partner linking hereditary spastic paraplegia to protein aggregation diseases. Brain, 2010, 133, 2920-2941.	3.7	62
20	Site-specific methylation of Notch1 controls the amplitude and duration of the Notch1 response. Science Signaling, 2015, 8, ra30.	1.6	62
21	Myozap, a Novel Intercalated Disc Protein, Activates Serum Response Factorâ€“Dependent Signaling and Is Required to Maintain Cardiac Function In Vivo. Circulation Research, 2010, 106, 880-890.	2.0	58
22	F-Box and Leucine-Rich Repeat Protein 22 Is a Cardiac-Enriched F-Box Protein That Regulates Sarcomeric Protein Turnover and Is Essential for Maintenance of Contractile Function In Vivo. Circulation Research, 2012, 111, 1504-1516.	2.0	57
23	A Single Serine in the Carboxyl Terminus of Cardiac Essential Myosin Light Chain-1 Controls Cardiomyocyte Contractility In Vivo. Circulation Research, 2009, 104, 650-659.	2.0	56
24	In-vivo characterization of human dilated cardiomyopathy genes in zebrafish. Biochemical and Biophysical Research Communications, 2009, 390, 516-522.	1.0	54
25	Aciculin interacts with filamin C and Xin and is essential for myofibril assembly, remodeling and maintenance. Journal of Cell Science, 2014, 127, 3578-92.	1.2	51
26	Myomasp/LRRC39, a Heart- and Muscle-Specific Protein, Is a Novel Component of the Sarcomeric M-Band and Is Involved in Stretch Sensing. Circulation Research, 2010, 107, 1253-1264.	2.0	49
27	Automatic Zebrafish Heartbeat Detection and Analysis for Zebrafish Embryos. Zebrafish, 2014, 11, 379-383.	0.5	49
28	High-Throughput Screening of Zebrafish Embryos Using Automated Heart Detection and Imaging. Journal of the Association for Laboratory Automation, 2012, 17, 435-442.	2.8	47
29	Coding and non-coding variants in the SHOX2 gene in patients with early-onset atrial fibrillation. Basic Research in Cardiology, 2016, 111, 36.	2.5	45
30	Protein Kinase D2 Controls Cardiac Valve Formation in Zebrafish by Regulating Histone Deacetylase 5 Activity. Circulation, 2011, 124, 324-334.	1.6	43
31	PINCH Proteins Regulate Cardiac Contractility by Modulating Integrin-Linked Kinase-Protein Kinase B Signaling. Molecular and Cellular Biology, 2011, 31, 3424-3435.	1.1	41
32	Loss of the novel Vcp (valosin containing protein) interactor Washc4 interferes with autophagy-mediated proteostasis in striated muscle and leads to myopathy in vivo. Autophagy, 2018, 14, 1911-1927.	4.3	35
33	Dysregulation of a novel miR-1825/TBCB/TUBA4A pathway in sporadic and familial ALS. Cellular and Molecular Life Sciences, 2018, 75, 4301-4319.	2.4	34
34	Paxillin and Focal Adhesion Kinase (FAK) Regulate Cardiac Contractility in the Zebrafish Heart. PLoS ONE, 2016, 11, e0150323.	1.1	32
35	HDAC3 functions as a positive regulator in Notch signal transduction. Nucleic Acids Research, 2020, 48, 3496-3512.	6.5	31
36	Recent progress in the use of zebrafish for novel cardiac drug discovery. Expert Opinion on Drug Discovery, 2015, 10, 1231-1241.	2.5	30

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37	CHCHD10 mutations p.R15L and p.G66V cause motoneuron disease by haploinsufficiency. Human Molecular Genetics, 2018, 27, 706-715.	1.4	30
38	Reconstitution of defective protein trafficking rescues Long-QT syndrome in zebrafish. Biochemical and Biophysical Research Communications, 2011, 408, 218-224.	1.0	27
39	InÂvivo characterization of human myofibrillar myopathy genes in zebrafish. Biochemical and Biophysical Research Communications, 2015, 461, 217-223.	1.0	27
40	Knock-out of nexilin in mice leads to dilated cardiomyopathy and endomyocardial fibroelastosis. Basic Research in Cardiology, 2016, 111, 6.	2.5	27
41	Loss of dihydrolipoyl succinyltransferase (DLST) leads to reduced resting heart rate in the zebrafish. Basic Research in Cardiology, 2015, 110, 14.	2.5	26
42	VCP and PSMF1: Antagonistic regulators of proteasome activity. Biochemical and Biophysical Research Communications, 2015, 463, 1210-1217.	1.0	26
43	Overlapping and Opposing Functions of G Protein-coupled Receptor Kinase 2 (GRK2) and GRK5 during Heart Development. Journal of Biological Chemistry, 2014, 289, 26119-26130.	1.6	25
44	JunB-CBFÎ² signaling is essential to maintain sarcomeric Z-disc structure and when defective leads to heart failure. Journal of Cell Science, 2010, 123, 2613-2620.	1.2	22
45	Nucleoside diphosphate kinase B is required for the formation of heterotrimeric G protein containing caveolae. Naunyn-Schmiedeberg's Archives of Pharmacology, 2011, 384, 461-472.	1.4	21
46	Atrogin-1 Deficiency Leads to Myopathy and Heart Failure in Zebrafish. International Journal of Molecular Sciences, 2016, 17, 187.	1.8	21
47	Genetics of Cardiovascular Disease: Fishing for Causality. Frontiers in Cardiovascular Medicine, 2018, 5, 60.	1.1	21
48	Functional Characterization of Rare Variants in the SHOX2 Gene Identified in Sinus Node Dysfunction and Atrial Fibrillation. Frontiers in Genetics, 2019, 10, 648.	1.1	21
49	The VAMPâ€associated protein VAPB is required for cardiac and neuronal pacemaker channel function. FASEB Journal, 2018, 32, 6159-6173.	0.2	19
50	Functional Genomics in Zebrafish as a Tool to Identify Novel Antiarrhythmic Targets. Current Medicinal Chemistry, 2014, 21, 1320-1329.	1.2	19
51	New perspectives: systems medicine in cardiovascular disease. BMC Systems Biology, 2018, 12, 57.	3.0	17
52	Mutation of the Na+/K+-ATPase Atp1a1a.1 causes QT interval prolongation and bradycardia in zebrafish. Journal of Molecular and Cellular Cardiology, 2018, 120, 42-52.	0.9	17
53	RNA splicing regulated by RBFOX1 is essential for cardiac function in zebrafish. Journal of Cell Science, 2015, 128, 3030-40.	1.2	16
54	The mediator complex subunit Med10 regulates heart valve formation in zebrafish by controlling Tbx2b-mediated Has2 expression and cardiac jelly formation. Biochemical and Biophysical Research Communications, 2016, 477, 581-588.	1.0	14

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55	Spen deficiency interferes with Connexin 43 expression and leads to heart failure in zebrafish. Journal of Molecular and Cellular Cardiology, 2021, 155, 25-35.	0.9	14
56	Tbx20 Is an Essential Regulator of Embryonic Heart Growth in Zebrafish. PLoS ONE, 2016, 11, e0167306.	1.1	14
57	Decreased CK1Î´ expression predicts prolonged survival in colorectal cancer patients. Tumor Biology, 2016, 37, 8731-8739.	0.8	13
58	Mediator complex subunit Med12 regulates cardiac jelly development and AV valve formation in zebrafish. Progress in Biophysics and Molecular Biology, 2018, 138, 20-31.	1.4	13
59	Streamlining drug discovery assays for cardiovascular disease using zebrafish. Expert Opinion on Drug Discovery, 2020, 15, 27-37.	2.5	13
60	Genetic compensation prevents myopathy and heart failure in an in vivo model of Bag3 deficiency. PLoS Genetics, 2020, 16, e1009088.	1.5	13
61	A zebrafish model for FHL1-opathy reveals loss-of-function effects of human FHL1 mutations. Neuromuscular Disorders, 2018, 28, 521-531.	0.3	12
62	Amyloid precursor protein-fragments-containing inclusions in cardiomyocytes with basophilic degeneration and its association with cerebral amyloid angiopathy and myocardial fibrosis. Scientific Reports, 2018, 8, 16594.	1.6	11
63	Machine Learning Methods for Automated Quantification of Ventricular Dimensions. Zebrafish, 2019, 16, 542-545.	0.5	10
64	Feasibility of realâ€time cardiac MRI in mice using tiny golden angle radial sparse. NMR in Biomedicine, 2020, 33, e4300.	1.6	10
65	Ion Flux Dependent and Independent Functions of Ion Channels in the Vertebrate Heart: Lessons Learned from Zebrafish. Stem Cells International, 2012, 2012, 1-9.	1.2	9
66	Amplified pathogenic actions of angiotensin II in cysteineâ€rich LIMâ€only protein 4â€“negative mouse hearts. FASEB Journal, 2017, 31, 1620-1638.	0.2	9
67	Therapeutic Chemical Screen Identifies Phosphatase Inhibitors to Reconstitute PKB Phosphorylation and Cardiac Contractility in ILK-Deficient Zebrafish. Biomolecules, 2018, 8, 153.	1.8	9
68	Loss of zebrafish Smyd1a interferes with myofibrillar integrity without triggering the misfolded myosin response. Biochemical and Biophysical Research Communications, 2018, 496, 339-345.	1.0	7
69	Technical Aspects of in vivo Small Animal CMR Imaging. Frontiers in Physics, 2020, 8, .	1.0	7
70	Histone deacetylase 1 controls cardiomyocyte proliferation during embryonic heart development and cardiac regeneration in zebrafish. PLoS Genetics, 2021, 17, e1009890.	1.5	7
71	Long-Chain Acyl-Carnitines Interfere with Mitochondrial ATP Production Leading to Cardiac Dysfunction in Zebrafish. International Journal of Molecular Sciences, 2021, 22, 8468.	1.8	5
72	A compact unc45b â€promoter drives muscleâ€specific expression in zebrafish and mouse. Genesis, 2016, 54, 431-438.	0.8	4

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73	CRISPR/Cas9-Mediated Constitutive Loss of VCP (Valosin-Containing Protein) Impairs Proteostasis and Leads to Defective Striated Muscle Structure and Function In Vivo. International Journal of Molecular Sciences, 2022, 23, 6722.	1.8	4
74	Identification and Tissue-Specific Characterization of Novel SHOX-Regulated Genes in Zebrafish Highlights SOX Family Members Among Other Genes. Frontiers in Genetics, 2021, 12, 688808.	1.1	3
75	Quantification of Biventricular Myocardial Strain Using CMR Feature Tracking: Reproducibility in Small Animals. BioMed Research International, 2021, 2021, 1-14.	0.9	2
76	Semantic Multi-Classifier Systems Identify Predictive Processes in Heart Failure Models across Species. Biomolecules, 2018, 8, 158.	1.8	1
77	Metabolic Profiling of Glucocorticoid Deficiency: A â€œFishingâ€•Expedition. EBioMedicine, 2018, 37, 27-28.	2.7	1
78	Quantification of collateral artery growth by automated fluorescent microsphere perfusion. International Journal of Cardiology, 2012, 161, 88-92.	0.8	0
79	Abstract 1452: Mutation of a SWI/SNF-associated Protein Leads to Massive Cardiac Hyperplasia in the Zebrafish Mutant heart of stone. Circulation, 2008, 118, .	1.6	0
80	Abstract 3407: The Transcriptional Mediator Complex Is Essential For Cardiac Valve Formation. Circulation, 2008, 118, .	1.6	0
81	The myosin-interacting protein SMYD1 is essential for sarcomere organization. Development (Cambridge), 2011, 138, e1908-e1908.	1.2	0
82	Abstract 18382: Rna Splicing Regulated by A2bp1 is Essential for Cardiac Function in Zebrafish. Circulation, 2014, 130, .	1.6	0
83	Semantic Biomarker Selection for Functional Genomics of Heart Failure Model Organisms. , 0, , .		0
84	Novel Form of Congenital Myopathy Caused by Biallelic Mutations in Uncoordinated Mutant Number-45 Myosin Chaperone B. , 2021, 52, .		0