

Steffen Just

List of Publications by Year in descending order

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84
papers

5,677
citations

136740

32
h-index

76769

74
g-index

86
all docs

86
docs citations

86
times ranked

9571
citing authors

#	ARTICLE	IF	CITATIONS
1	CRISPR/Cas9-Mediated Constitutive Loss of VCP (Valosin-Containing Protein) Impairs Proteostasis and Leads to Defective Striated Muscle Structure and Function In Vivo. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6722.	1.8	4
2	Identification and Tissue-Specific Characterization of Novel SHOX-Regulated Genes in Zebrafish Highlights SOX Family Members Among Other Genes. <i>Frontiers in Genetics</i> , 2021, 12, 688808.	1.1	3
3	Spn deficiency interferes with Connexin 43 expression and leads to heart failure in zebrafish. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 155, 25-35.	0.9	14
4	IFITM proteins promote SARS-CoV-2 infection and are targets for virus inhibition in vitro. <i>Nature Communications</i> , 2021, 12, 4584.	5.8	129
5	Long-Chain Acyl-Carnitines Interfere with Mitochondrial ATP Production Leading to Cardiac Dysfunction in Zebrafish. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8468.	1.8	5
6	Quantification of Biventricular Myocardial Strain Using CMR Feature Tracking: Reproducibility in Small Animals. <i>BioMed Research International</i> , 2021, 2021, 1-14.	0.9	2
7	Histone deacetylase 1 controls cardiomyocyte proliferation during embryonic heart development and cardiac regeneration in zebrafish. <i>PLoS Genetics</i> , 2021, 17, e1009890.	1.5	7
8	Novel Form of Congenital Myopathy Caused by Biallelic Mutations in Uncoordinated Mutant Number-45 Myosin Chaperone B. , 2021, 52, .		0
9	Streamlining drug discovery assays for cardiovascular disease using zebrafish. <i>Expert Opinion on Drug Discovery</i> , 2020, 15, 27-37.	2.5	13
10	Technical Aspects of in vivo Small Animal CMR Imaging. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	7
11	HDAC3 functions as a positive regulator in Notch signal transduction. <i>Nucleic Acids Research</i> , 2020, 48, 3496-3512.	6.5	31
12	Feasibility of real-time cardiac MRI in mice using tiny golden angle radial sparse. <i>NMR in Biomedicine</i> , 2020, 33, e4300.	1.6	10
13	Genetic compensation prevents myopathy and heart failure in an in vivo model of Bag3 deficiency. <i>PLoS Genetics</i> , 2020, 16, e1009088.	1.5	13
14	Functional Characterization of Rare Variants in the SHOX2 Gene Identified in Sinus Node Dysfunction and Atrial Fibrillation. <i>Frontiers in Genetics</i> , 2019, 10, 648.	1.1	21
15	Machine Learning Methods for Automated Quantification of Ventricular Dimensions. <i>Zebrafish</i> , 2019, 16, 542-545.	0.5	10
16	Loss of zebrafish Smyd1a interferes with myofibrillar integrity without triggering the misfolded myosin response. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 339-345.	1.0	7
17	CHCHD10 mutations p.R15L and p.G66V cause motoneuron disease by haploinsufficiency. <i>Human Molecular Genetics</i> , 2018, 27, 706-715.	1.4	30
18	New perspectives: systems medicine in cardiovascular disease. <i>BMC Systems Biology</i> , 2018, 12, 57.	3.0	17

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19	A zebrafish model for FHL1-opathy reveals loss-of-function effects of human FHL1 mutations. <i>Neuromuscular Disorders</i> , 2018, 28, 521-531.	0.3	12
20	Semantic Multi-Classifer Systems Identify Predictive Processes in Heart Failure Models across Species. <i>Biomolecules</i> , 2018, 8, 158.	1.8	1
21	Metabolic Profiling of Glucocorticoid Deficiency: A "Fishing" Expedition. <i>EBioMedicine</i> , 2018, 37, 27-28.	2.7	1
22	Amyloid precursor protein-fragments-containing inclusions in cardiomyocytes with basophilic degeneration and its association with cerebral amyloid angiopathy and myocardial fibrosis. <i>Scientific Reports</i> , 2018, 8, 16594.	1.6	11
23	Therapeutic Chemical Screen Identifies Phosphatase Inhibitors to Reconstitute PKB Phosphorylation and Cardiac Contractility in ILK-Deficient Zebrafish. <i>Biomolecules</i> , 2018, 8, 153.	1.8	9
24	Mediator complex subunit Med12 regulates cardiac jelly development and AV valve formation in zebrafish. <i>Progress in Biophysics and Molecular Biology</i> , 2018, 138, 20-31.	1.4	13
25	Genetics of Cardiovascular Disease: Fishing for Causality. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 60.	1.1	21
26	Loss of the novel Vcp (valosin containing protein) interactor Washc4 interferes with autophagy-mediated proteostasis in striated muscle and leads to myopathy <i>in vivo</i> . <i>Autophagy</i> , 2018, 14, 1911-1927.	4.3	35
27	Dysregulation of a novel miR-1825/TBCB/TUBA4A pathway in sporadic and familial ALS. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 4301-4319.	2.4	34
28	Mutation of the Na ⁺ /K ⁺ -ATPase Atp1a1a.1 causes QT interval prolongation and bradycardia in zebrafish. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 120, 42-52.	0.9	17
29	The VAMP-associated protein VAPB is required for cardiac and neuronal pacemaker channel function. <i>FASEB Journal</i> , 2018, 32, 6159-6173.	0.2	19
30	Amplified pathogenic actions of angiotensin II in cysteine-rich LIM-only protein 4 ^Δ negative mouse hearts. <i>FASEB Journal</i> , 2017, 31, 1620-1638.	0.2	9
31	Sodium permeable and "hypersensitive" TREK ¹ channels cause ventricular tachycardia. <i>EMBO Molecular Medicine</i> , 2017, 9, 403-414.	3.3	65
32	Atrogin-1 Deficiency Leads to Myopathy and Heart Failure in Zebrafish. <i>International Journal of Molecular Sciences</i> , 2016, 17, 187.	1.8	21
33	Paxillin and Focal Adhesion Kinase (FAK) Regulate Cardiac Contractility in the Zebrafish Heart. <i>PLoS ONE</i> , 2016, 11, e0150323.	1.1	32
34	Coding and non-coding variants in the SHOX2 gene in patients with early-onset atrial fibrillation. <i>Basic Research in Cardiology</i> , 2016, 111, 36.	2.5	45
35	The mediator complex subunit Med10 regulates heart valve formation in zebrafish by controlling Tbx2b-mediated Has2 expression and cardiac jelly formation. <i>Biochemical and Biophysical Research Communications</i> , 2016, 477, 581-588.	1.0	14
36	A compact unc45b promoter drives muscle-specific expression in zebrafish and mouse. <i>Genesis</i> , 2016, 54, 431-438.	0.8	4

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37	Knock-out of nexilin in mice leads to dilated cardiomyopathy and endomyocardial fibroelastosis. <i>Basic Research in Cardiology</i> , 2016, 111, 6.	2.5	27
38	Decreased CK1 β expression predicts prolonged survival in colorectal cancer patients. <i>Tumor Biology</i> , 2016, 37, 8731-8739.	0.8	13
39	Tbx20 Is an Essential Regulator of Embryonic Heart Growth in Zebrafish. <i>PLoS ONE</i> , 2016, 11, e0167306.	1.1	14
40	Developmental alterations in centrosome integrity contribute to the post-mitotic state of mammalian cardiomyocytes. <i>ELife</i> , 2015, 4, .	2.8	105
41	Site-specific methylation of Notch1 controls the amplitude and duration of the Notch1 response. <i>Science Signaling</i> , 2015, 8, ra30.	1.6	62
42	Loss of dihydrolipoyl succinyltransferase (DLST) leads to reduced resting heart rate in the zebrafish. <i>Basic Research in Cardiology</i> , 2015, 110, 14.	2.5	26
43	The toxic effect of R350P mutant desmin in striated muscle of man and mouse. <i>Acta Neuropathologica</i> , 2015, 129, 297-315.	3.9	66
44	In vivo characterization of human myofibrillar myopathy genes in zebrafish. <i>Biochemical and Biophysical Research Communications</i> , 2015, 461, 217-223.	1.0	27
45	RNA splicing regulated by RBFOX1 is essential for cardiac function in zebrafish. <i>Journal of Cell Science</i> , 2015, 128, 3030-40.	1.2	16
46	Recent progress in the use of zebrafish for novel cardiac drug discovery. <i>Expert Opinion on Drug Discovery</i> , 2015, 10, 1231-1241.	2.5	30
47	VCP and PSMF1: Antagonistic regulators of proteasome activity. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 1210-1217.	1.0	26
48	Overlapping and Opposing Functions of G Protein-coupled Receptor Kinase 2 (GRK2) and GRK5 during Heart Development. <i>Journal of Biological Chemistry</i> , 2014, 289, 26119-26130.	1.6	25
49	Aciculin interacts with filamin C and Xin and is essential for myofibril assembly, remodeling and maintenance. <i>Journal of Cell Science</i> , 2014, 127, 3578-92.	1.2	51
50	Automatic Zebrafish Heartbeat Detection and Analysis for Zebrafish Embryos. <i>Zebrafish</i> , 2014, 11, 379-383.	0.5	49
51	Functional Genomics in Zebrafish as a Tool to Identify Novel Antiarrhythmic Targets. <i>Current Medicinal Chemistry</i> , 2014, 21, 1320-1329.	1.2	19
52	Abstract 18382: Rna Splicing Regulated by A2bp1 is Essential for Cardiac Function in Zebrafish. <i>Circulation</i> , 2014, 130, .	1.6	0
53	Islet1 is a direct transcriptional target of the homeodomain transcription factor Shox2 and rescues the Shox2-mediated bradycardia. <i>Basic Research in Cardiology</i> , 2013, 108, 339.	2.5	69
54	Lysine methyltransferase Smyd2 regulates Hsp90-mediated protection of the sarcomeric titin springs and cardiac function. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 812-822.	1.9	71

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55	High-Throughput Screening of Zebrafish Embryos Using Automated Heart Detection and Imaging. <i>Journal of the Association for Laboratory Automation</i> , 2012, 17, 435-442.	2.8	47
56	Smyd2 controls cytoplasmic lysine methylation of Hsp90 and myofilament organization. <i>Genes and Development</i> , 2012, 26, 114-119.	2.7	138
57	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. <i>Circulation Research</i> , 2012, 111, 1504-1516.	2.0	57
58	Ion Flux Dependent and Independent Functions of Ion Channels in the Vertebrate Heart: Lessons Learned from Zebrafish. <i>Stem Cells International</i> , 2012, 2012, 1-9.	1.2	9
59	Quantification of collateral artery growth by automated fluorescent microsphere perfusion. <i>International Journal of Cardiology</i> , 2012, 161, 88-92.	0.8	0
60	Reconstitution of defective protein trafficking rescues Long-QT syndrome in zebrafish. <i>Biochemical and Biophysical Research Communications</i> , 2011, 408, 218-224.	1.0	27
61	Targeted Next-Generation Sequencing for the Molecular Genetic Diagnostics of Cardiomyopathies. <i>Circulation: Cardiovascular Genetics</i> , 2011, 4, 110-122.	5.1	155
62	MicroRNA signatures in total peripheral blood as novel biomarkers for acute myocardial infarction. <i>Basic Research in Cardiology</i> , 2011, 106, 13-23.	2.5	242
63	Nucleoside diphosphate kinase B is required for the formation of heterotrimeric G protein containing caveolae. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2011, 384, 461-472.	1.4	21
64	PINCH Proteins Regulate Cardiac Contractility by Modulating Integrin-Linked Kinase-Protein Kinase B Signaling. <i>Molecular and Cellular Biology</i> , 2011, 31, 3424-3435.	1.1	41
65	Protein Kinase D2 Controls Cardiac Valve Formation in Zebrafish by Regulating Histone Deacetylase 5 Activity. <i>Circulation</i> , 2011, 124, 324-334.	1.6	43
66	The myosin-interacting protein SMYD1 is essential for sarcomere organization. <i>Journal of Cell Science</i> , 2011, 124, 3127-3136.	1.2	91
67	The myosin-interacting protein SMYD1 is essential for sarcomere organization. <i>Development (Cambridge)</i> , 2011, 138, e1908-e1908.	1.2	0
68	JunB-CBF β signaling is essential to maintain sarcomeric Z-disc structure and when defective leads to heart failure. <i>Journal of Cell Science</i> , 2010, 123, 2613-2620.	1.2	22
69	Myozap, a Novel Intercalated Disc Protein, Activates Serum Response Factor-Dependent Signaling and Is Required to Maintain Cardiac Function In Vivo. <i>Circulation Research</i> , 2010, 106, 880-890.	2.0	58
70	Myomasp/LRRC39, a Heart- and Muscle-Specific Protein, Is a Novel Component of the Sarcomeric M-Band and Is Involved in Stretch Sensing. <i>Circulation Research</i> , 2010, 107, 1253-1264.	2.0	49
71	Strumpellin is a novel valosin-containing protein binding partner linking hereditary spastic paraplegia to protein aggregation diseases. <i>Brain</i> , 2010, 133, 2920-2941.	3.7	62
72	The interaction of nucleoside diphosphate kinase B with G β γ dimers controls heterotrimeric G protein function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16269-16274.	3.3	72

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73	A Single Serine in the Carboxyl Terminus of Cardiac Essential Myosin Light Chain-1 Controls Cardiomyocyte Contractility In Vivo. <i>Circulation Research</i> , 2009, 104, 650-659.	2.0	56
74	Nexilin mutations destabilize cardiac Z-disks and lead to dilated cardiomyopathy. <i>Nature Medicine</i> , 2009, 15, 1281-1288.	15.2	180
75	In-vivo characterization of human dilated cardiomyopathy genes in zebrafish. <i>Biochemical and Biophysical Research Communications</i> , 2009, 390, 516-522.	1.0	54
76	MicroRNA-21 contributes to myocardial disease by stimulating MAP kinase signalling in fibroblasts. <i>Nature</i> , 2008, 456, 980-984.	13.7	2,111
77	Deficient Zebrafish <i>Ether-a2-Go-Go</i> Related Gene Channel Gating Causes Short-QT Syndrome in Zebrafish <i>Reggae</i> Mutants. <i>Circulation</i> , 2008, 117, 866-875.	1.6	115
78	Regulation of muscle development by DPF3, a novel histone acetylation and methylation reader of the BAF chromatin remodeling complex. <i>Genes and Development</i> , 2008, 22, 2370-2384.	2.7	204
79	Abstract 1452: Mutation of a SWI/SNF-associated Protein Leads to Massive Cardiac Hyperplasia in the Zebrafish Mutant <i>heart of stone</i> . <i>Circulation</i> , 2008, 118, .	1.6	0
80	Abstract 3407: The Transcriptional Mediator Complex Is Essential For Cardiac Valve Formation. <i>Circulation</i> , 2008, 118, .	1.6	0
81	Cardiac Myosin Light Chain-2. <i>Circulation Research</i> , 2006, 99, 323-331.	2.0	124
82	Integrin-linked kinase, a novel component of the cardiac mechanical stretch sensor, controls contractility in the zebrafish heart. <i>Genes and Development</i> , 2006, 20, 2361-2372.	2.7	180
83	VEGF-PLC β 1 pathway controls cardiac contractility in the embryonic heart. <i>Genes and Development</i> , 2005, 19, 1624-1634.	2.7	118
84	Semantic Biomarker Selection for Functional Genomics of Heart Failure Model Organisms. , 0, , .		0