

Morten B Thomsen

List of Publications by Year in descending order

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81
papers

2,584
citations

218381

26
h-index

205818

48
g-index

82
all docs

82
docs citations

82
times ranked

3005
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased Short-Term Variability of Repolarization Predicts d-Sotalolol-Induced Torsades de Pointes in Dogs. <i>Circulation</i> , 2004, 110, 2453-2459.	1.6	334
2	In Vivo Phosphoproteomics Analysis Reveals the Cardiac Targets of β^2 -Adrenergic Receptor Signaling. <i>Science Signaling</i> , 2013, 6, rs11.	1.6	164
3	Beat-to-Beat Variability of Repolarization Determines Proarrhythmic Outcome in Dogs Susceptible to Drug-Induced Torsades de Pointes. <i>Journal of the American College of Cardiology</i> , 2006, 48, 1268-1276.	1.2	115
4	Beat-to-beat variability of QT intervals is increased in patients with drug-induced long-QT syndrome: a case control pilot study. <i>European Heart Journal</i> , 2007, 29, 185-190.	1.0	103
5	Assessing the proarrhythmic potential of drugs: Current status of models and surrogate parameters of torsades de pointes arrhythmias. , 2006, 112, 150-170.		96
6	Usefulness of Short-Term Variability of QT Intervals as a Predictor for Electrical Remodeling and Proarrhythmia in Patients With Nonischemic Heart Failure. <i>American Journal of Cardiology</i> , 2010, 106, 216-220.	0.7	96
7	Accumulation of slowly activating delayed rectifier potassium current (IKs) in canine ventricular myocytes. <i>Journal of Physiology</i> , 2003, 551, 777-786.	1.3	93
8	Accessory Subunit KCHIP2 Modulates the Cardiac L-Type Calcium Current. <i>Circulation Research</i> , 2009, 104, 1382-1389.	2.0	88
9	Relation of Increased Short-Term Variability of QT Interval to Congenital Long-QT Syndrome. <i>American Journal of Cardiology</i> , 2009, 103, 1244-1248.	0.7	87
10	KCNMA1 Encoded Cardiac BK Channels Afford Protection against Ischemia-Reperfusion Injury. <i>PLoS ONE</i> , 2014, 9, e103402.	1.1	83
11	Proarrhythmic electrical remodelling is associated with increased beat-to-beat variability of repolarisation. <i>Cardiovascular Research</i> , 2007, 73, 521-530.	1.8	81
12	Transplantation of dental pulp stem cells suppressed inflammation in sciatic nerves by promoting macrophage polarization towards anti-inflammatory phenotypes and ameliorated diabetic polyneuropathy. <i>Journal of Diabetes Investigation</i> , 2016, 7, 485-496.	1.1	70
13	No proarrhythmic properties of the antibiotics Moxifloxacin or Azithromycin in anaesthetized dogs with chronic AV block. <i>British Journal of Pharmacology</i> , 2006, 149, 1039-1048.	2.7	68
14	Electrophysiological Safety of Sertindole in Dogs with Normal and Remodeled Hearts. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 307, 776-784.	1.3	64
15	Comparison of the I_{Kr} blockers moxifloxacin, dofetilide and E4031 in five screening models of proarrhythmia reveals lack of specificity of isolated cardiomyocytes. <i>British Journal of Pharmacology</i> , 2012, 165, 467-478.	2.7	58
16	Physiology and analysis of the electrocardiographic T wave in mice. <i>Acta Physiologica</i> , 2013, 209, 262-271.	1.8	55
17	Periodontitis-activated monocytes/macrophages cause aortic inflammation. <i>Scientific Reports</i> , 2015, 4, 5171.	1.6	53
18	Chemerin promotes angiogenesis in vivo. <i>Physiological Reports</i> , 2018, 6, e13962.	0.7	49

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19	Adiponectin promotes migration activities of endothelial progenitor cells via Cdc42/Rac1. <i>FEBS Letters</i> , 2009, 583, 2457-2463.	1.3	47
20	Efficacy of a Self-Assembling Peptide Hydrogel, SPG-178-Gel, for Bone Regeneration and Three-Dimensional Osteogenic Induction of Dental Pulp Stem Cells. <i>Tissue Engineering - Part A</i> , 2017, 23, 1394-1402.	1.6	47
21	Sudden cardiac death in dogs with remodeled hearts is associated with larger beat-to-beat variability of repolarization. <i>Basic Research in Cardiology</i> , 2005, 100, 279-287.	2.5	46
22	Transplantation of cultured dental pulp stem cells into the skeletal muscles ameliorated diabetic polyneuropathy: therapeutic plausibility of freshly isolated and cryopreserved dental pulp stem cells. <i>Stem Cell Research and Therapy</i> , 2015, 6, 162.	2.4	40
23	Cardiovascular health effects of oral and pulmonary exposure to multi-walled carbon nanotubes in ApoE-deficient mice. <i>Toxicology</i> , 2016, 371, 29-40.	2.0	39
24	Transplantation of dental pulp stem cells improves long-term diabetic polyneuropathy together with improvement of nerve morphometrical evaluation. <i>Stem Cell Research and Therapy</i> , 2017, 8, 279.	2.4	39
25	Conditioned media from dental pulp stem cells improved diabetic polyneuropathy through anti-inflammatory, neuroprotective and angiogenic actions: Cell-free regenerative medicine for diabetic polyneuropathy. <i>Journal of Diabetes Investigation</i> , 2019, 10, 1199-1208.	1.1	33
26	Multifocal atrial and ventricular premature contractions with an increased risk of dilated cardiomyopathy caused by a Na v 1.5 gain-of-function mutation (G213D). <i>International Journal of Cardiology</i> , 2018, 257, 160-167.	0.8	31
27	Deleting the accessory subunit KChIP2 results in loss of I _{to,f} and increased I _{K,slow} that maintains normal action potential configuration. <i>Heart Rhythm</i> , 2009, 6, 370-377.	0.3	30
28	Sinoatrial node dysfunction induces cardiac arrhythmias in diabetic mice. <i>Cardiovascular Diabetology</i> , 2014, 13, 122.	2.7	30
29	Decreasing the infusion rate reduces the proarrhythmic risk of NS-7: confirming the relevance of short-term variability of repolarisation in predicting drug-induced torsades de pointes. <i>British Journal of Pharmacology</i> , 2005, 145, 397-404.	2.7	24
30	High-Septal Pacing Reduces Ventricular Electrical Remodeling and Proarrhythmia in Chronic Atrioventricular Block Dogs. <i>Journal of the American College of Cardiology</i> , 2007, 50, 906-913.	1.2	24
31	High-Rate Pacing Reduces Variability of Repolarization and Prevents Repolarization-Dependent Arrhythmias in Dogs With Chronic AV Block. <i>Journal of Cardiovascular Electrophysiology</i> , 2010, 21, 1384-1391.	0.8	23
32	Quantitative proteome comparison of human hearts with those of model organisms. <i>PLoS Biology</i> , 2021, 19, e3001144.	2.6	23
33	Impact of KChIP2 on cardiac electrophysiology and the progression of heart failure. <i>Frontiers in Physiology</i> , 2012, 3, 118.	1.3	22
34	Anti-inflammatory role of glucose-dependent insulinotropic polypeptide in periodontitis. <i>Journal of Diabetes Investigation</i> , 2016, 7, 497-505.	1.1	21
35	Loss of K ⁺ Currents in Heart Failure Is Accentuated in KChIP2 Deficient Mice. <i>Journal of Cardiovascular Electrophysiology</i> , 2014, 25, 896-904.	0.8	19
36	Development of heart failure is independent of K ⁺ channel-interacting protein 2 expression. <i>Journal of Physiology</i> , 2013, 591, 5923-5937.	1.3	17

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37	Secreted factors from cultured dental pulp stem cells promoted neurite outgrowth of dorsal root ganglion neurons and ameliorated neural functions in streptozotocin-induced diabetic mice. <i>Journal of Diabetes Investigation</i> , 2020, 11, 28-38.	1.1	16
38	Transcriptional and electrophysiological consequences of KCHIP2-mediated regulation of CaV1.2 Channels, 2009, 3, 308-310.	1.5	15
39	Acetaminophen (Paracetamol) Metabolites Induce Vasodilation and Hypotension by Activating Kv7 Potassium Channels Directly and Indirectly. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 1207-1219.	1.1	15
40	Prolonged QT intervals in mice with cardiomyocyte-specific deficiency of the molecular clock. <i>Acta Physiologica</i> , 2021, 233, e13707.	1.8	15
41	Secreted Factors from Stem Cells of Human Exfoliated Deciduous Teeth Directly Activate Endothelial Cells to Promote All Processes of Angiogenesis. <i>Cells</i> , 2020, 9, 2385.	1.8	13
42	An American Physiological Society cross-journal Call for Papers on "Inter-Organ Communication in Homeostasis and Disease". <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 321, L42-L49.	1.3	13
43	Direct Comparison of Therapeutic Effects on Diabetic Polyneuropathy between Transplantation of Dental Pulp Stem Cells and Administration of Dental Pulp Stem Cell-Secreted Factors. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6064.	1.8	12
44	Preservation of cardiac function by prolonged action potentials in mice deficient of KCHIP2. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H481-H489.	1.5	11
45	Transplantation of human dental pulp stem cells ameliorates diabetic polyneuropathy in streptozotocin-induced diabetic nude mice: the role of angiogenic and neurotrophic factors. <i>Stem Cell Research and Therapy</i> , 2020, 11, 236.	2.4	11
46	\hat{I}^2 -Aminoisobutyric acid, L-BAIBA, protects PC12 cells from hydrogen peroxide-induced oxidative stress and apoptosis via activation of the AMPK and PI3K/Akt pathway. <i>IBRO Neuroscience Reports</i> , 2022, 12, 65-72.	0.7	11
47	Circadian rhythm in QT interval is preserved in mice deficient of potassium channel interacting protein 2. <i>Chronobiology International</i> , 2017, 34, 45-56.	0.9	10
48	Age-dependent transition from islet insulin hypersecretion to hyposcretion in mice with the long QT-syndrome loss-of-function mutation Kcnq1-A340V. <i>Scientific Reports</i> , 2021, 11, 12253.	1.6	10
49	Attenuated Ventricular \hat{I}^2 -Adrenergic Response and Reduced Repolarization Reserve in a Rabbit Model of Chronic Heart Failure. <i>Journal of Cardiovascular Pharmacology</i> , 2012, 59, 142-150.	0.8	9
50	Glucagon-Like Peptide-1 Receptor Agonist Liraglutide Ameliorates the Development of Periodontitis. <i>Journal of Diabetes Research</i> , 2020, 2020, 1-9.	1.0	9
51	Sustainable Effects of Human Dental Pulp Stem Cell Transplantation on Diabetic Polyneuropathy in Streptozotocine-Induced Type 1 Diabetes Model Mice. <i>Cells</i> , 2021, 10, 2473.	1.8	9
52	Double pharmacological challenge on repolarization opens new avenues for drug safety research. <i>British Journal of Pharmacology</i> , 2007, 151, 909-911.	2.7	8
53	Therapeutic potential for insulin on type 1 diabetes-associated periodontitis: Analysis of experimental periodontitis in streptozotocin-induced diabetic rats. <i>Journal of Diabetes Investigation</i> , 2020, 11, 1482-1489.	1.1	8
54	Accelerated atherosclerosis caused by serum amyloid A response in lungs of ApoE mice. <i>FASEB Journal</i> , 2021, 35, e21307.	0.2	8

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55	Assessment of anti-arrhythmic activity of antipsychotic drugs in an animal model: Influence of non-cardiac β -adrenergic receptors. <i>European Journal of Pharmacology</i> , 2015, 748, 10-17.	1.7	7
56	An American Physiological Society cross-journal Call for Papers on "Deconstructing Organs: Single-Cell Analyses, Decellularized Organs, Organoids, and Organ-on-a-Chip Models". <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 319, L266-L272.	1.3	7
57	Aberrant sinus node firing during β -adrenergic stimulation leads to cardiac arrhythmias in diabetic mice. <i>Acta Physiologica</i> , 2020, 229, e13444.	1.8	7
58	Human atrial fibroblasts and their contribution to supraventricular arrhythmia. <i>Physiological Reports</i> , 2016, 4, e12711.	0.7	6
59	Uremia increases QRS duration after β -adrenergic stimulation in mice. <i>Physiological Reports</i> , 2018, 6, e13720.	0.7	6
60	Role of poly(ADP-ribose) polymerase activation in the pathogenesis of periodontitis in diabetes. <i>Journal of Clinical Periodontology</i> , 2017, 44, 971-980.	2.3	5
61	Beat-to-beat variability of repolarization determines proarrhythmic outcome in dogs susceptible to drug-induced torsades de pointes. <i>Heart Rhythm</i> , 2005, 2, S104.	0.3	4
62	The Effects of Insulin on Immortalized Rat Schwann Cells, IFRS1. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5505.	1.8	4
63	Potassium Channel Interacting Protein 2 (KChIP2) is not a transcriptional regulator of cardiac electrical remodeling. <i>Scientific Reports</i> , 2016, 6, 28760.	1.6	3
64	Ventricular repolarization time, location of pacing stimulus and current pulse amplitude conspire to determine arrhythmogenicity in mice. <i>Acta Physiologica</i> , 2017, 219, 662-670.	1.8	3
65	Rat pancreatectomy combined with isoprenaline or uninephrectomy as models of diabetic cardiomyopathy or nephropathy. <i>Scientific Reports</i> , 2020, 10, 16130.	1.6	3
66	Case Report: Non-episodic Angioedema With Eosinophilia in a Young Lactating Woman. <i>Frontiers in Immunology</i> , 2021, 12, 627360.	2.2	3
67	Ultrasonographic and histological evaluation of the effects of long-term carotid catheterization on cardiac function in NMRI mice. <i>Laboratory Animals</i> , 2018, 52, 17-28.	0.5	2
68	Low-Dose Adrenaline Reduces Blood Pressure Acutely in Anesthetized Pigs Through a β -Adrenergic Pathway. <i>Journal of Cardiovascular Pharmacology</i> , 2019, 74, 38-43.	0.8	2
69	Strengthening intercellular communication to prevent atrial fibrillation. <i>Cardiovascular Research</i> , 2011, 92, 187-188.	1.8	1
70	Special Interest Group on Cardiac Physiology established within the Scandinavian Physiological Society. <i>Acta Physiologica</i> , 2012, 204, 464-464.	1.8	1
71	Kv7.1 isoform gradients in the heart: New potential approach to alter repolarization reserve. <i>Heart Rhythm</i> , 2013, 10, 1229-1230.	0.3	1
72	Apico-Basal Gradient of Repolarization Over the Left Ventricle Determines Arrhythmia Susceptibility in Mice. <i>Biophysical Journal</i> , 2014, 106, 773a.	0.2	1

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73	Potassium Channels in the Heart. <i>Cardiac and Vascular Biology</i> , 2018, , 47-75.	0.2	1
74	Novel "Dual Hit" Rat Model of Diabetic Cardiomyopathy. <i>Diabetes</i> , 2018, 67, .	0.3	1
75	Beta-blocker/ACE inhibitor therapy differentially impacts the steady state signaling landscape of failing and non-failing hearts. <i>Scientific Reports</i> , 2022, 12, 4760.	1.6	1
76	Repolarization variability and early afterdepolarizations in long QT syndrome type 2: Is labile calcium the common denominator?. <i>Heart Rhythm</i> , 2010, 7, 1695-1696.	0.3	0
77	Attenuated \hat{I}^2 -Adrenergic Response and Reduced Repolarization Reserve in Rabbit Model of Chronic Heart Failure. <i>Heart Rhythm</i> , 2010, 7, 1711-1712.	0.3	0
78	Torsades de Pointes in the Guinea-Pig Heart. <i>Cardiovascular Drugs and Therapy</i> , 2012, 26, 437-439.	1.3	0
79	Hearts of K Channel-Interacting Protein 2 Deficient Mice have Prolonged Action Potential Duration, and Reduced Outward Potassium Currents that are further reduced by Heart Failure. <i>Biophysical Journal</i> , 2013, 104, 281a.	0.2	0
80	K ⁺ Channel-Interacting Protein 2 Deficient mice have a Rate Dependent Prolongation of Left Ventricular CA ²⁺ Transients. <i>Biophysical Journal</i> , 2014, 106, 113a.	0.2	0
81	Characterization of a Na V 1.5 Gain-of-Function Mutation (G213D) causing Multifocal Atrial and Ventricular Premature Ectopies and an Increased Risk of Dilated Cardiomyopathy. <i>Biophysical Journal</i> , 2017, 112, 104a.	0.2	0