

Paul Ml Janssen

List of Publications by Year in descending order

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65
papers

3,695
citations

126907

33
h-index

144013

57
g-index

66
all docs

66
docs citations

66
times ranked

4928
citing authors

#	ARTICLE	IF	CITATIONS
1	Contraction-relaxation coupling is unaltered by exercise training and infarction in isolated canine myocardium. <i>Journal of General Physiology</i> , 2021, 153, .	1.9	3
2	Impact of etiology on force and kinetics of left ventricular end-stage failing human myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 156, 7-19.	1.9	14
3	Fibroblast-Specific Proteotranscriptomes Reveal Distinct Fibrotic Signatures of Human Sinoatrial Node in Nonfailing and Failing Hearts. <i>Circulation</i> , 2021, 144, 126-143.	1.6	22
4	Serum Antibodies to N-Glycolylneuraminic Acid Are Elevated in Duchenne Muscular Dystrophy and Correlate with Increased Disease Pathology in Cmahmdx Mice. <i>American Journal of Pathology</i> , 2021, 191, 1474-1486.	3.8	4
5	Optical Mapping-Validated Machine Learning Improves Atrial Fibrillation Driver Detection by Multi-Electrode Mapping. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e008249.	4.8	21
6	Mineralocorticoid receptor antagonism by finerenone is sufficient to improve function in preclinical muscular dystrophy. <i>ESC Heart Failure</i> , 2020, 7, 3983-3995.	3.1	13
7	Impaired neuronal sodium channels cause intranodal conduction failure and reentrant arrhythmias in human sinoatrial node. <i>Nature Communications</i> , 2020, 11, 512.	12.8	39
8	Myocardial relaxation in human heart failure: Why sarcomere kinetics should be center-stage. <i>Archives of Biochemistry and Biophysics</i> , 2019, 661, 145-148.	3.0	13
9	Increased cross-bridge recruitment contributes to transient increase in force generation beyond maximal capacity in human myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 114, 116-123.	1.9	3
10	Assessment of PKA and PKC inhibitors on force and kinetics of non-failing and failing human myocardium. <i>Life Sciences</i> , 2018, 215, 119-127.	4.3	9
11	Human Atrial Fibrillation Drivers Resolved With Integrated Functional and Structural Imaging to Benefit Clinical Mapping. <i>JACC: Clinical Electrophysiology</i> , 2018, 4, 1501-1515.	3.2	51
12	Mineralocorticoid Receptor Antagonists in Muscular Dystrophy Mice During Aging and Exercise. <i>Journal of Neuromuscular Diseases</i> , 2018, 5, 295-306.	2.6	15
13	Etiology-dependent impairment of relaxation kinetics in right ventricular end-stage failing human myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 121, 81-93.	1.9	28
14	Novel application of 3D contrast-enhanced CMR to define fibrotic structure of the human sinoatrial node in vivo. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 862-869.	1.2	35
15	In Vivo Genome Editing Restores Dystrophin Expression and Cardiac Function in Dystrophic Mice. <i>Circulation Research</i> , 2017, 121, 923-929.	4.5	123
16	Similar Efficacy from Specific and Non-Specific Mineralocorticoid Receptor Antagonist Treatment of Muscular Dystrophy Mice. <i>Journal of Neuromuscular Diseases</i> , 2016, 3, 395-404.	2.6	18
17	Insights into length-dependent regulation of cardiac cross-bridge cycling kinetics in human myocardium. <i>Archives of Biochemistry and Biophysics</i> , 2016, 601, 48-55.	3.0	10
18	The Need for Speed. <i>Circulation Research</i> , 2016, 119, 418-421.	4.5	46

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19	Influence of metabolic dysfunction on cardiac mechanics in decompensated hypertrophy and heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2016, 94, 162-175.	1.9	25
20	Human sinoatrial node structure: 3D microanatomy of sinoatrial conduction pathways. <i>Progress in Biophysics and Molecular Biology</i> , 2016, 120, 164-178.	2.9	81
21	Designing proteins to combat disease: Cardiac troponin C as an example. <i>Archives of Biochemistry and Biophysics</i> , 2016, 601, 4-10.	3.0	14
22	The Angiotensin Converting Enzyme Inhibitor Lisinopril Improves Muscle Histopathology but not Contractile Function in a Mouse Model of Duchenne Muscular Dystrophy. <i>Journal of Neuromuscular Diseases</i> , 2015, 2, 257-268.	2.6	18
23	Atrial fibrillation driven by micro-anatomic intramural re-entry revealed by simultaneous sub-epicardial and sub-endocardial optical mapping in explanted human hearts. <i>European Heart Journal</i> , 2015, 36, 2390-2401.	2.2	347
24	Integration of High-Resolution Optical Mapping and 3-Dimensional Micro-Computed Tomographic Imaging to Resolve the Structural Basis of Atrial Conduction in the Human Heart. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015, 8, 1514-1517.	4.8	51
25	Claudin-5 levels are reduced from multiple cell types in human failing hearts and are associated with mislocalization of ephrin-B1. <i>Cardiovascular Pathology</i> , 2015, 24, 160-167.	1.6	17
26	Molecular Mapping of Sinoatrial Node HCN Channel Expression in the Human Heart. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015, 8, 1219-1227.	4.8	72
27	Small and large animal models in cardiac contraction research: Advantages and disadvantages. , 2014, 141, 235-249.		352
28	Cardiac troponin I tyrosine 26 phosphorylation decreases myofilament Ca ²⁺ sensitivity and accelerates deactivation. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 76, 257-264.	1.9	32
29	Tropomyosin Ser-283 pseudo-phosphorylation slows myofibril relaxation. <i>Archives of Biochemistry and Biophysics</i> , 2013, 535, 30-38.	3.0	37
30	Post-translational modifications of myofilament proteins involved in length-dependent prolongation of relaxation in rabbit right ventricular myocardium. <i>Archives of Biochemistry and Biophysics</i> , 2013, 535, 22-29.	3.0	17
31	AAV-mediated Overexpression of Human $\alpha 7$ Integrin Leads to Histological and Functional Improvement in Dystrophic Mice. <i>Molecular Therapy</i> , 2013, 21, 520-525.	8.2	39
32	Effect of muscle length on cross-bridge kinetics in intact cardiac trabeculae at body temperature. <i>Journal of General Physiology</i> , 2013, 141, 133-139.	1.9	38
33	Response to Letter Regarding Article, "Early Treatment With Lisinopril and Spironolactone Preserves Cardiac and Skeletal Muscle in Duchenne Muscular Dystrophy Mice". <i>Circulation</i> , 2012, 125, .	1.6	0
34	IKK α and alternative NF- κ B regulate PGC-1 β to promote oxidative muscle metabolism. <i>Journal of Cell Biology</i> , 2012, 196, 497-511.	5.2	63
35	Sustaining Cardiac Claudin-5 Levels Prevents Functional Hallmarks of Cardiomyopathy in a Muscular Dystrophy Mouse Model. <i>Molecular Therapy</i> , 2012, 20, 1378-1383.	8.2	19
36	The Rates of Ca ²⁺ Dissociation and Cross-bridge Detachment from Ventricular Myofibrils as Reported by a Fluorescent Cardiac Troponin C. <i>Journal of Biological Chemistry</i> , 2012, 287, 27930-27940.	3.4	35

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37	Effects of increased systolic Ca ²⁺ and \hat{I}^2 -adrenergic stimulation on Ca ²⁺ transient decline in NOS1 knockout cardiac myocytes. <i>Nitric Oxide - Biology and Chemistry</i> , 2012, 27, 242-247.	2.7	11
38	Cardiomyopathy in the dystrophin/utrophin-deficient mouse model of severe muscular dystrophy is characterized by dysregulation of matrix metalloproteinases. <i>Neuromuscular Disorders</i> , 2012, 22, 1006-1014.	0.6	21
39	mdx Mice Manifest More Severe Muscle Dysfunction and Diaphragm Force Deficits than Do mdx Mice. <i>American Journal of Pathology</i> , 2011, 179, 2464-2474.	3.8	50
40	In vitro studies of early cardiac remodeling impact on contraction and calcium handling. <i>Frontiers in Bioscience - Scholar</i> , 2011, S3, 1047-1057.	2.1	0
41	Improvement of cardiac contractile function by peptide-based inhibition of NF- \hat{I}^B in the utrophin/dystrophin-deficient murine model of muscular dystrophy. <i>Journal of Translational Medicine</i> , 2011, 9, 68.	4.4	36
42	Early Treatment With Lisinopril and Spironolactone Preserves Cardiac and Skeletal Muscle in Duchenne Muscular Dystrophy Mice. <i>Circulation</i> , 2011, 124, 582-588.	1.6	122
43	Increased phosphorylation of tropomyosin, troponin I, and myosin light chain-2 after stretch in rabbit ventricular myocardium under physiological conditions. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 1023-1028.	1.9	50
44	Impairment of Diastolic Function by Lack of Frequency-Dependent Myofilament Desensitization in Rabbit Right Ventricular Hypertrophy. <i>Circulation: Heart Failure</i> , 2009, 2, 472-481.	3.9	34
45	Molecular Basis of Diastolic Dysfunction. <i>Heart Failure Clinics</i> , 2008, 4, 13-21.	2.1	68
46	Claudin-5 levels are reduced in human end-stage cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 45, 81-87.	1.9	28
47	Influence of pyruvate on economy of contraction in isolated rabbit myocardium. <i>European Journal of Heart Failure</i> , 2007, 9, 754-761.	7.1	5
48	Atrial Glutathione Content, Calcium Current, and Contractility. <i>Journal of Biological Chemistry</i> , 2007, 282, 28063-28073.	3.4	103
49	Determinants of frequency-dependent contraction and relaxation of mammalian myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 43, 523-531.	1.9	85
50	A translational approach for limb vascular delivery of the micro-dystrophin gene without high volume or high pressure for treatment of Duchenne muscular dystrophy. <i>Journal of Translational Medicine</i> , 2007, 5, 45.	4.4	90
51	Interplay of IKK/NF- \hat{I}^B signaling in macrophages and myofibers promotes muscle degeneration in Duchenne muscular dystrophy. <i>Journal of Clinical Investigation</i> , 2007, 117, 889-901.	8.2	382
52	LAMP-2 deficient mice show depressed cardiac contractile function without significant changes in calcium handling. <i>Basic Research in Cardiology</i> , 2006, 101, 281-291.	5.9	49
53	Targeted Overexpression of Sarcolipin in the Mouse Heart Decreases Sarcoplasmic Reticulum Calcium Transport and Cardiac Contractility. <i>Journal of Biological Chemistry</i> , 2006, 281, 3972-3979.	3.4	61
54	Frequency- and Afterload-Dependent Cardiac Modulation In Vivo by Troponin I With Constitutively Active Protein Kinase A Phosphorylation Sites. <i>Circulation Research</i> , 2004, 94, 496-504.	4.5	142

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55	Improved systolic and diastolic myocardial function with intracoronary pyruvate in patients with congestive heart failure. <i>European Journal of Heart Failure</i> , 2004, 6, 213-218.	7.1	32
56	Potential of beta-adrenergic inotropic response by pyruvate in failing human myocardium. <i>Cardiovascular Research</i> , 2002, 53, 116-123.	3.8	23
57	Intracellular β -blockade: overexpression of $G\beta_{i2}$ depresses the β -adrenergic response in intact myocardium. <i>Cardiovascular Research</i> , 2002, 55, 300-308.	3.8	23
58	Influence of Pyruvate on Contractile Performance and Ca^{2+} Cycling in Isolated Failing Human Myocardium. <i>Circulation</i> , 2002, 105, 194-199.	1.6	85
59	Hydroxyl Radical-Induced Acute Diastolic Dysfunction Is Due to Calcium Overload via Reverse-Mode $Na^{+}-Ca^{2+}$ Exchange. <i>Circulation Research</i> , 2002, 90, 988-995.	4.5	88
60	Physiological Determinants of Contractile Force Generation and Calcium Handling in Mouse Myocardium. <i>Journal of Molecular and Cellular Cardiology</i> , 2002, 34, 1367-1376.	1.9	66
61	Overexpression of FK506-Binding Protein FKBP12.6 in Cardiomyocytes Reduces Ryanodine Receptor-Mediated Ca^{2+} Leak From the Sarcoplasmic Reticulum and Increases Contractility. <i>Circulation Research</i> , 2001, 88, 188-194.	4.5	137
62	Levosimendan improves diastolic and systolic function in failing human myocardium. <i>European Journal of Pharmacology</i> , 2000, 404, 191-199.	3.5	76
63	Impact of β -Adrenoceptor Antagonists on Myofilament Calcium Sensitivity of Rabbit and Human Myocardium. <i>Journal of Cardiovascular Pharmacology</i> , 2000, 36, 126-131.	1.9	15
64	Transient and sustained impacts of hydroxyl radicals on sarcoplasmic reticulum function: protective effects of nebivolol. <i>European Journal of Pharmacology</i> , 1999, 366, 223-232.	3.5	35
65	Preservation of Contractile Characteristics of Human Myocardium in Multi-day Cell Culture. <i>Journal of Molecular and Cellular Cardiology</i> , 1999, 31, 1419-1427.	1.9	54