

Paul A Iaizzo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6061902/publications.pdf>

Version: 2024-02-01

196
papers

3,131
citations

201385

27
h-index

197535

49
g-index

200
all docs

200
docs citations

200
times ranked

3168
citing authors

#	ARTICLE	IF	CITATIONS
1	High-resolution 3D reconstructions of human vasculatures: creation of educational tools and benchtop models for transcatheter devices. Cardiovascular Intervention and Therapeutics, 2022, 37, 519-525.	1.2	2
2	Vitrification and Rewarming of Magnetic Nanoparticle-Loaded Rat Hearts. Advanced Materials Technologies, 2022, 7, 2100873.	3.0	25
3	<i>In vitro</i> contractile studies within isolated tissue baths: Translational research from Visible Heart [®] Laboratories. Experimental Biology and Medicine, 2022, 247, 584-597.	1.1	3
4	Aberrant Coronary Artery: A Rare Congenital Anomaly Examined Through Pre- And Post-Procedural 3D Anatomical Modeling. , 2022, , .		0
5	Utilization of Computational Modeling and 3D Printing for Pre-Procedural Planning of an LVAD Exchange Surgery. , 2022, , .		0
6	Development of an Epicardial Mapping Tank for Noninvasive Electrical Mapping of Ex Vivo Large Mammalian Hearts. , 2022, , .		0
7	Assessment of Contractile Forces of Swine Skeletal Muscle Following Irreversible Electroporation Therapy. , 2022, , .		0
8	The Use of a Pulsatile Perfusion Apparatus for the Assessment of Aortic Valve Function within Formalin Fixed Human Hearts: Pre- And Post-Tavr Implantation with Subsequent Micro-CT Analyses. , 2022, , .		0
9	Computationally Assessed 3D Anatomical Proximities and Spatial Relationships Among the Tricuspid Valve Annulus, Right Coronary Artery, and Triangle of Koch: Implications for Transcatheter Tricuspid Annuloplasty Repair. Structural Heart, 2022, , 100033.	0.2	0
10	Direct Visualization of TAVR-Related Coronary Artery Management Techniques in Reanimated Beating Hearts. JACC: Cardiovascular Interventions, 2021, 14, e87-e91.	1.1	4
11	Assessment of single and double coronary bifurcation stenting techniques using multimodal imaging and 3D modeling in reanimated swine hearts using Visible Heart [®] methodologies. International Journal of Cardiovascular Imaging, 2021, 37, 2591-2601.	0.7	7
12	An engineering perspective on the development and evolution of implantable cardiac monitors in free-living animals. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200217.	1.8	7
13	Three dimensional reconstruction of coronary artery stents from optical coherence tomography: experimental validation and clinical feasibility. Scientific Reports, 2021, 11, 12252.	1.6	6
14	Patient-Specific Three-Dimensional Computational Heart Modeling and Printing to Enhance Clinical Understandings and Treatment Planning: Congenital Recurrent Pulmonary Artery Stenosis and Transcatheter Pulmonary Valve Replacement. , 2021, , .		0
15	Enhancing Mimetic Three-Dimensional Modeling and Printing for Presurgical Planning Applications: Improved Soft Tissue Assesments, Analyses and Consolidation Strategies. , 2021, , .		0
16	Viscosity Matching Positively Affects the Correlation of Pressure-Volume Loops Between In-Vivo and Ex-Vivo Models. , 2021, , .		1
17	Assessing the Complexity of Human Ventricular Anatomy: Computational Placement of Mapping Catheters in Perfusion- Fixed Human Hearts. , 2021, , .		0
18	Altered Vascular Contractilities Associated with the Applications of Irreversible Electroporation. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	Neuromorphic Representation of Cardiac Data from the American Black Bear During Hibernation. , 2021, , .		0
20	Interactive Computational Medical Device Deployments within Virtual Reality. , 2021, , .		1
21	Evaluating the Potential Susceptibilities of Swine Bronchi to Colateral Damage from Applied Cryoablation. , 2021, , .		1
22	Cardiac patientâ€“specific three-dimensional models as surgical planning tools. Surgery, 2020, 167, 259-263.	1.0	12
23	Prospective isolation of human fibroadipogenic progenitors with CD73. Heliyon, 2020, 6, e04503.	1.4	7
24	Compartment Syndrome: Evaluation of Skeletal Muscle Ischemia and Physiologic Biomarkers in Controlled Conditions Within Ex Vivo Isolated Muscle Bundles. Journal of Orthopaedic Trauma, 2020, 34, 518-523.	0.7	4
25	Impact of statin intake on malignant hyperthermia: an in vitro and in vivo swine study. BMC Anesthesiology, 2020, 20, 270.	0.7	1
26	3D printed patient-specific aortic root models with internal sensors for minimally invasive applications. Science Advances, 2020, 6, eabb4641.	4.7	34
27	Virtual Prototyping: Computational Device Placements within Detailed Human Heart Models. Applied Sciences (Switzerland), 2020, 10, 175.	1.3	2
28	3â€“Dimensional printing to predict paravalvular regurgitation after transcatheter aortic valve replacement. Catheterization and Cardiovascular Interventions, 2020, 96, E703-E710.	0.7	10
29	First Successful Open-Heart Surgery Utilizing Cross-Circulation in 1954. Annals of Thoracic Surgery, 2020, 110, 336-341.	0.7	2
30	Algorithm for the analysis of pre-extraction computed tomographic images to evaluate implanted leadâ€“lead interactions and leadâ€“vascular attachments. Heart Rhythm, 2020, 17, 1009-1016.	0.3	4
31	Prolonged extracorporeal preservation and evaluation of human lungs with portable normothermic ex vivo perfusion. Clinical Transplantation, 2020, 34, e13801.	0.8	6
32	Multimodal functional and still imaging of a transplanted human heart reanimated using Visible HeartÂ® methodologies. Journal of Cardiac Surgery, 2020, 35, 668-671.	0.3	2
33	Efficient engraftment of pluripotent stem cell-derived myogenic progenitors in a novel immunodeficient mouse model of limb girdle muscular dystrophy 2l. Skeletal Muscle, 2020, 10, 10.	1.9	12
34	Multimodal imaging employed during extraction of pacing or defibrillator leads from perfusion-fixed human hearts. HeartRhythm Case Reports, 2020, 6, 918-921.	0.2	3
35	Remarkable Adaptations of the American Black Bear Help Explain Why it is the Most Common Bear: A Long-Term Study from the Center of its Range. , 2020, , 53-62.		3
36	The Ability to Reproducibly Record Cardiac Action Potentials From Multiple Anatomic Locations: Endocardially and Epicardially, <i>In Situ</i> and <i>In Vitro</i> . IEEE Transactions on Biomedical Engineering, 2019, 66, 159-164.	2.5	0

#	ARTICLE	IF	CITATIONS
37	Effects of ATP administration on isolated swine hearts: Implications for <i>ex vivo</i> perfusion and cardiac transplantation. <i>Experimental Biology and Medicine</i> , 2019, 244, 915-922.	1.1	2
38	Induced functional modulations of isolated large mammalian hearts. <i>Pflugers Archiv European Journal of Physiology</i> , 2019, 471, 1095-1101.	1.3	1
39	Multimodal imaging of a self-expanding transcatheter aortic valve replacement (TAVR) procedure in a reanimated human heart and post-implant analyses. <i>International Journal of Cardiovascular Imaging</i> , 2019, 35, 2135-2137.	0.7	6
40	Contact Forces Required to Record Monophasic Action Potentials: A Complement to Catheter Contact Force Measurement. <i>IEEE Transactions on Biomedical Engineering</i> , 2019, 66, 2974-2978.	2.5	0
41	Right Atrioventricular Valve Leaflet Morphology Redefined. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 169-178.	1.1	49
42	Direct endoscopic visualization of physiological His-bundle pacing and surrounding anatomy within reanimated human hearts using visible heart methodologies. <i>HeartRhythm Case Reports</i> , 2019, 5, 209-212.	0.2	2
43	Electrical parameters for physiological His-Purkinje pacing vary by implant location in an <i>ex vivo</i> canine model. <i>Heart Rhythm</i> , 2019, 16, 443-450.	0.3	8
44	Identification of Radiofrequency Ablation Catheter Parameters That May Induce Intracardiac Steam Pops: Direct Visualization of Elicitation in Reanimated Swine Hearts. <i>Journal of Cardiovascular Translational Research</i> , 2019, 12, 250-256.	1.1	6
45	Bears habituate to the repeated exposure of a novel stimulus, unmanned aircraft systems. , 2019, 7, coy067.		42
46	Advancing the Design and Testing of Novel Cardiac Device Technologies Using the Visible Heart. , 2019, , 119-152.		0
47	Electroporation Ablative Therapy as a Clinical Tool. , 2019, , 179-200.		0
48	Importance of Human Cadaver Studies in Education and Medical Device Research. , 2019, , 255-280.		1
49	Distributions of Arterial Calcification Along Transcatheter Delivery System Pathway. , 2019, ,		1
50	CRT-700.12 3D Printing and Computer Modeling to Predict Paravalvular Leak in Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, S50.	1.1	1
51	Retrieval of a chronically implanted leadless pacemaker within an isolated heart using direct visualization. <i>HeartRhythm Case Reports</i> , 2018, 4, 167-169.	0.2	6
52	The quantitative assessment of epicardial fat distribution on human hearts: Implications for epicardial electrophysiology. <i>Clinical Anatomy</i> , 2018, 31, 661-666.	1.5	2
53	Assessment of Ablative Therapies in Swine: Response of Respiratory Diaphragm to Varying Doses. <i>Annals of Biomedical Engineering</i> , 2018, 46, 947-959.	1.3	2
54	American black bears perceive the risks of crossing roads. <i>Behavioral Ecology</i> , 2018, 29, 667-675.	1.0	68

#	ARTICLE	IF	CITATIONS
55	Effects of Ablation (Radio Frequency, Cryo, Microwave) on Physiologic Properties of the Human Vastus Lateralis. IEEE Transactions on Biomedical Engineering, 2018, 65, 2202-2209.	2.5	6
56	Investigating the physiological effects of 10.5 Tesla static field exposure on anesthetized swine. Magnetic Resonance in Medicine, 2018, 79, 511-514.	1.9	10
57	The ABCs of autologous blood collection for exÂvivo organ preservation. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 433-435.	0.4	8
58	Development and utilization of implantable cardiac monitors in free-ranging American black and Eurasian brown bears: system evolution and lessons learned. Animal Biotelemetry, 2018, 6, .	0.8	46
59	The fixation tines of the Micraâ„¢ leadless pacemaker are atraumatic to the tricuspid valve. PACE - Pacing and Clinical Electrophysiology, 2018, 41, 1606-1610.	0.5	8
60	Left Ventricular Trabeculations Decrease the Wall Shear Stress and Increase the Intra-Ventricular Pressure Drop in CFD Simulations. Frontiers in Physiology, 2018, 9, 458.	1.3	29
61	Lung transplant after prolonged <i>exÂvivo</i> lung perfusion: predictors of allograft function in swine. Transplant International, 2018, 31, 1405-1417.	0.8	12
62	The Visible HeartÂ® project and methodologies: novel use for studying cardiac monophasic action potentials and evaluating their underlying mechanisms. Expert Review of Medical Devices, 2018, 15, 467-477.	1.4	4
63	Direct visualization of the removal of chronically implanted pacing leads from an unfixed humanÂcadaver. HeartRhythm Case Reports, 2018, 4, 170-172.	0.2	1
64	Evaluating the roles of detailed endocardial structures on right ventricular haemodynamics by means of CFD simulations. International Journal for Numerical Methods in Biomedical Engineering, 2018, 34, e3115.	1.0	8
65	Biomechanical Responses of Swine Esophagus Tissue to Irreversible Electroporation. , 2018, , .		1
66	Blood clotting behavior is innately modulated in <i>Ursus Americanus</i> during early and late denning relative to summer months. Journal of Experimental Biology, 2017, 220, 455-459.	0.8	41
67	Six Years in the Life of a Mother Bear - The Longest Continuous Heart Rate Recordings from a Free-Ranging Mammal. Scientific Reports, 2017, 7, 40732.	1.6	45
68	An experimental study of the recovery of injured porcine lungs with prolonged normothermic cellular<i>exÂvivo</i>lung perfusion following donation after circulatory death. Transplant International, 2017, 30, 932-944.	0.8	19
69	Featured Article: Pharmacological postconditioning with delta opioid attenuates myocardial reperfusion injury in isolated porcine hearts. Experimental Biology and Medicine, 2017, 242, 986-995.	1.1	15
70	Prolonged EVLP Using OCS Lung. Transplantation, 2017, 101, 2303-2311.	0.5	62
71	Determination of cryothermal injury thresholds in tissues impacted by cardiac cryoablation. Cryobiology, 2017, 75, 125-133.	0.3	14
72	Patient independent representation of the detailed cardiac ventricular anatomy. Medical Image Analysis, 2017, 35, 270-287.	7.0	13

#	ARTICLE	IF	CITATIONS
73	Physiological Assessment of Cardiac Muscle Post-Irreversible Electroporation Therapy. , 2017, , .		1
74	In Vitro Evaluations of Cardiac Mapping Catheters Designs and Utilities: Employing Visible Heart [®] Methodologies1. Journal of Medical Devices, Transactions of the ASME, 2016, 10, .	0.4	1
75	Acute Perforation Properties of the Right Atrial Appendage1. Journal of Medical Devices, Transactions of the ASME, 2016, 10, .	0.4	0
76	A Simplified Model for the Assessment of Ex Vivo Lung Perfusion Methodologies and Treatments1. Journal of Medical Devices, Transactions of the ASME, 2016, 10, .	0.4	3
77	Tissue Necrosis Associated With Chemical Ablations1. Journal of Medical Devices, Transactions of the ASME, 2016, 10, .	0.4	1
78	A Device to Aid in Quantifying Lung Compliance and Edema1. Journal of Medical Devices, Transactions of the ASME, 2016, 10, .	0.4	1
79	OUP accepted manuscript. Europace, 2016, 18, iv163-iv172.	0.7	18
80	The novel in vitro reanimation of isolated human and large mammalian heart-lung blocs. BMC Physiology, 2016, 16, 4.	3.6	6
81	Insights from echocardiography, magnetic resonance imaging, and microcomputed tomography relative to the mid-myocardial left ventricular echogenic zone. Echocardiography, 2016, 33, 1546-1556.	0.3	19
82	Testing the Efficacy of Pharmacological Agents in a Pericardial Target Delivery Model in the Swine. Journal of Visualized Experiments, 2016, , .	0.2	3
83	Isometric skeletal muscle force measurement in primary myopathies. Muscle and Nerve, 2016, 53, 913-917.	1.0	2
84	Right Ventricular Anatomy Can Accommodate Multiple Micra Transcatheter Pacemakers. PACE - Pacing and Clinical Electrophysiology, 2016, 39, 393-397.	0.5	75
85	The Effects of Radiofrequency or Cryothermal Ablation on Biomechanical Properties of Isolated Human or Swine Cardiac Tissues. IEEE Journal of Translational Engineering in Health and Medicine, 2016, 4, 1-5.	2.2	146
86	MRI Reconstructions of Human Phrenic Nerve Anatomy and Computational Modeling of Cryoballoon Ablative Therapy. Annals of Biomedical Engineering, 2016, 44, 1097-1106.	1.3	10
87	Visualization of an innovative approach for mitral isthmus ablation. Journal of Integrative Cardiology, 2016, 1, .	0.1	1
88	Direct visualization of induced steam pops during radiofrequency ablation. HeartRhythm Case Reports, 2015, 1, 264-265.	0.2	4
89	Acute Shrinkage of the Pulmonary Vein Ensuing From Radiofrequency and Cryoablations1. Journal of Medical Devices, Transactions of the ASME, 2015, 9, .	0.4	0
90	Modeling of Swine Diaphragmatic Tissue Under Uniaxial Loading1. Journal of Medical Devices, Transactions of the ASME, 2015, 9, .	0.4	0

#	ARTICLE	IF	CITATIONS
91	Direct visualization of an atrial transseptal left ventricular endocardial lead implantation within an isolated heart. <i>HeartRhythm Case Reports</i> , 2015, 1, 107-109.	0.2	0
92	The Recovery of Hibernating Hearts Lies on a Spectrum: from Bears in Nature to Patients with Coronary Artery Disease. <i>Journal of Cardiovascular Translational Research</i> , 2015, 8, 244-252.	1.1	11
93	Assessing the Relative Integrity of Formed Cardiac Linear Lesions by Recording Both Focal Monophasic Action Potentials and Contact Forces: A Technical Brief. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2015, 3, 1-6.	2.2	4
94	Radiofrequency Ablation for Hepatocellular Carcinoma: Enhanced Ablative Responses Utilizing Adjuvant NaCl Pretreatments ¹ . <i>Journal of Medical Devices, Transactions of the ASME</i> , 2015, 9, .	0.4	0
95	Reversible and Irreversible Damage of the Myocardium: Ischemia/Reperfusion Injury and Cardioprotection. , 2015, , 279-293.		3
96	Pacing and Defibrillation. , 2015, , 543-575.		0
97	Optimal contact forces to minimize cardiac perforations before, during, and/or after radiofrequency or cryothermal ablations. <i>Heart Rhythm</i> , 2015, 12, 291-296.	0.3	19
98	Tissue Properties of the Fossa Ovalis as They Relate to Transseptal Punctures: A Translational Approach. <i>Journal of Interventional Cardiology</i> , 2015, 28, 98-108.	0.5	16
99	Left phrenic nerve anatomy relative to the coronary venous system: Implications for phrenic nerve stimulation during cardiac resynchronization therapy. <i>Clinical Anatomy</i> , 2015, 28, 621-626.	1.5	7
100	Bears Show a Physiological but Limited Behavioral Response to Unmanned Aerial Vehicles. <i>Current Biology</i> , 2015, 25, 2278-2283.	1.8	257
101	The Coronary Vascular System and Associated Medical Devices. , 2015, , 137-161.		2
102	The Use of Isolated Heart Models and Anatomical Specimens as Means to Enhance the Design and Testing of Cardiac Devices. , 2015, , 751-764.		0
103	Visualization of catheter ablation for atrial fibrillation: Impact of devices and anatomy. <i>World Journal of Cardiology</i> , 2015, 7, 754.	0.5	5
104	Transcatheter Valve Repair and Replacement. , 2015, , 671-683.		0
105	Big data in wildlife research: remote web-based monitoring of hibernating black bears. <i>BMC Physiology</i> , 2014, 14, 13.	3.6	9
106	A detailed assessment of the human coronary venous system using contrast computed tomography of perfusion-fixed specimens. <i>Heart Rhythm</i> , 2014, 11, 282-288.	0.3	13
107	The relative anatomy of the coronary arterial and venous systems. <i>Clinical Anatomy</i> , 2014, 27, 1023-1029.	1.5	6
108	In vitro assessment of induced phrenic nerve cryothermal injury. <i>Heart Rhythm</i> , 2014, 11, 1779-1784.	0.3	10

#	ARTICLE	IF	CITATIONS
109	Multimodal imaging of a transcatheter pacemaker implantation within a reanimated human heart. <i>Heart Rhythm</i> , 2014, 11, 2331-2332.	0.3	9
110	A Head and Neck Support Device for Inducing Local Hypothermia. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2014, 8, 0110021-110029.	0.4	6
111	High-Speed Visualization of Steam Pops During Radiofrequency Ablation1. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2014, 8, .	0.4	0
112	Physiological Tissue Response to Various Ablative Modalities1. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2014, 8, .	0.4	2
113	The Importance of Human Cardiac Anatomy for Translational Research. <i>Journal of Cardiovascular Translational Research</i> , 2013, 6, 105-106.	1.1	4
114	Human Coronary Venous Anatomy: Implications for Interventions. <i>Journal of Cardiovascular Translational Research</i> , 2013, 6, 208-217.	1.1	18
115	The Use of Isolated Heart Models and Anatomic Specimens as Means to Enhance the Design and Testing of Cardiac Valve Therapies. , 2013, , 359-380.		0
116	The benefits of the Atlas of Human Cardiac Anatomy website for the design of cardiac devices. <i>Expert Review of Medical Devices</i> , 2013, 10, 729-734.	1.4	3
117	Irreversible Electroporation of Cardiovascular Cells and Tissues. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2013, 7, .	0.4	3
118	3D Assessments of Patent Foramen Ovale Within Human Hearts: Insights Relative to Design Considerations for Medical Devices. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2013, 7, .	0.4	0
119	3-Dimensional Reconstructions of the Human Coronary Artery System Using Contrast Computed Tomography of Perfusion-Fixed Specimens. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2013, 7, .	0.4	0
120	Anatomical Reconstructions of the Human Cardiac Venous System using Contrast-computed Tomography of Perfusion-fixed Specimens. <i>Journal of Visualized Experiments</i> , 2013, , .	0.2	9
121	The Design and Use of an Optical Mapping System for the Study of Intracardiac Electrical Signaling. <i>Indian Pacing and Electrophysiology Journal</i> , 2012, 12, 138-151.	0.3	3
122	Malignant hyperthermia â€œ Update of diagnostics. <i>Trends in Anaesthesia and Critical Care</i> , 2012, 2, 218-223.	0.4	2
123	Cardiac Responses to the Intrapericardial Delivery of Metoprolol: Targeted Delivery Compared to Intravenous Administration. <i>Journal of Cardiovascular Translational Research</i> , 2012, 5, 535-540.	1.1	9
124	Wound healing during hibernation by black bears (<i>Ursus americanus</i>) in the wild: elicitation of reduced scar formation. <i>Integrative Zoology</i> , 2012, 7, 48-60.	1.3	65
125	Imaging of a Coronary Artery Stent Implantation Within an Isolated Human Heart. <i>Journal of Cardiovascular Translational Research</i> , 2012, 5, 73-74.	1.1	7
126	Videoscopic images of unique septal and medial papillary muscle complexes recorded from reanimated human hearts. <i>FASEB Journal</i> , 2012, 26, 726.10.	0.2	0

#	ARTICLE	IF	CITATIONS
127	Estimating Water Loss During Hibernation in the American Black Bear (<i>Ursus americanus</i>). <i>FASEB Journal</i> , 2012, 26, 1071.13.	0.2	0
128	Novel visualization of iatrogenic atrial septal defects and ablation lesions in a reanimated human heart. <i>FASEB Journal</i> , 2012, 26, 726.9.	0.2	0
129	The Atlas of Human Cardiac Anatomy: A free access educational website. <i>FASEB Journal</i> , 2012, 26, 529.17.	0.2	0
130	High speed imaging of an aortic valve in a full functional reanimated human heart. <i>FASEB Journal</i> , 2012, 26, 726.8.	0.2	0
131	Novel imaging of the implantation of left sided pacing leads within reanimated swine hearts. <i>FASEB Journal</i> , 2012, 26, 523.2.	0.2	0
132	Assessments of Chamber Volumes within Perfusion Fixed Human Hearts: Direct Measurements versus 3D Volume Reconstructions. <i>FASEB Journal</i> , 2012, 26, 524.2.	0.2	0
133	Imaging in the context of replacement heart valve development: use of the Visible Heart (VH) methodologies. <i>Cardiovascular Diagnosis and Therapy</i> , 2012, 2, 220-30.	0.7	3
134	Multimodal Imaging of a Transcatheter Aortic Valve Implantation Within an Isolated Heart. <i>JACC: Cardiovascular Imaging</i> , 2011, 4, 1138-1139.	2.3	6
135	Methods to Prepare Perfusion Fixed Cardiac Specimens for Multimodal Imaging: The Use of Formalin and Agar Gels. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2011, 5, .	0.4	12
136	Comparative imaging of cardiac structures and function for the optimization of transcatheter approaches for valvular and structural heart disease. <i>International Journal of Cardiovascular Imaging</i> , 2011, 27, 1223-1234.	0.7	11
137	Electrophysiological Mechanisms of the Anti-arrhythmic Effects of Omega-3 Fatty Acids. <i>Journal of Cardiovascular Translational Research</i> , 2011, 4, 42-52.	1.1	31
138	Modeling of Induced Electric Fields as a Function of Cardiac Anatomy and Venous Pacing Lead Location. <i>Cardiovascular Engineering and Technology</i> , 2011, 2, 399-407.	0.7	6
139	Monitoring the wild black bear's reaction to human and environmental stressors. <i>BMC Physiology</i> , 2011, 11, 13.	3.6	84
140	Edge-to-edge repairs of P2 prolapsed mitral valves in isolated swine hearts. <i>Journal of Heart Valve Disease</i> , 2011, 20, 5-12.	0.5	21
141	Freeze-Thaw Induced Biomechanical Changes in Arteries: Role of Collagen Matrix and Smooth Muscle Cells. <i>Annals of Biomedical Engineering</i> , 2010, 38, 694-706.	1.3	54
142	Extreme Respiratory Sinus Arrhythmia Enables Overwintering Black Bear Survival: Physiological Insights and Applications to Human Medicine. <i>Journal of Cardiovascular Translational Research</i> , 2010, 3, 559-569.	1.1	65
143	Effects of left ventricular lead positions and coronary venous microanatomy on cardiac pacing parameters. <i>Journal of Electrocardiology</i> , 2010, 43, 136-141.	0.4	12
144	MRI assessment of pacing induced ventricular dyssynchrony in an isolated human heart. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 466-469.	1.9	12

#	ARTICLE	IF	CITATIONS
145	The Effects of Temperature on Cardiac Pacing Thresholds. PACE - Pacing and Clinical Electrophysiology, 2010, 33, 826-833.	0.5	6
146	Isolated Heart Models. , 2010, , 249-260.		1
147	The functional anatomy of human cardiac valves and unique visualization of transcatheter-delivered valves being deployed. , 2009, 2009, 1098-9.		0
148	Analysis of fiber orientation in normal and failing human hearts using diffusion tensor MRI. , 2009, , .		13
149	Mitral leaflet anatomy revisited. Journal of Thoracic and Cardiovascular Surgery, 2009, 137, 1077-1081.	0.4	44
150	Microanatomy of Human Left Ventricular Coronary Veins. Anatomical Record, 2009, 292, 23-28.	0.8	21
151	Novel visualization of intracardiac pacing lead extractions: methodologies performed within isolated canine hearts. Journal of Interventional Cardiac Electrophysiology, 2009, 24, 27-31.	0.6	2
152	Global electrophysiological and hemodynamic assessment of ventricular pacing employing non-contact mapping. Journal of Interventional Cardiac Electrophysiology, 2009, 26, 185-194.	0.6	0
153	An interactive graphical user interface for comprehensive analysis of human and swine cardiac monophasic action potential. Computers in Biology and Medicine, 2009, 39, 1105-1116.	3.9	5
154	The Pericardium. , 2009, , 125-136.		4
155	<i>In Vitro</i> Effects of Propofol and Volatile Agents on Pharmacologically Induced Chloride Channel Myotonia. Anesthesiology, 2009, 111, 584-590.	1.3	11
156	Transcatheter Valve Repair and Replacement. , 2009, , 561-569.		0
157	Venous valves within left ventricular coronary veins. Journal of Interventional Cardiac Electrophysiology, 2008, 23, 95-99.	0.6	29
158	Cardiac device testing enhanced by simultaneous imaging modalities: the Visible Heart [®] , fluoroscopy and echocardiography. Expert Review of Medical Devices, 2008, 5, 51-58.	1.4	15
159	Pericardial delivery of omega-3 fatty acid: a novel approach to reducing myocardial infarct sizes and arrhythmias. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H2212-H2218.	1.5	54
160	Discrimination of ischemia and normal sinus rhythm for cardiac signals using a modified k means clustering algorithm. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 3856-9.	0.5	6
161	Direct Visualization of a Transcatheter Pulmonary Valve Implantation Within the Visible Heart. Circulation, 2007, 116, e548.	1.6	21
162	Following the beat of cardiac potentials. IEEE Potentials, 2007, 26, 19-25.	0.2	5

#	ARTICLE	IF	CITATIONS
163	Isolated Atrial Segment Pacing. Journal of the American College of Cardiology, 2007, 49, 1443-1449.	1.2	5
164	Variation in Pacing Impedance: Impact of Implant Site and Measurement Method. PACE - Pacing and Clinical Electrophysiology, 2007, 30, 1076-1082.	0.5	13
165	Venous valves: Unseen obstructions to coronary access. Journal of Interventional Cardiac Electrophysiology, 2007, 19, 165-166.	0.6	16
166	Dynamic obstruction to coronary sinus access: The Thebesian valve. Heart Rhythm, 2006, 3, 1240-1241.	0.3	30
167	Plasma levels of ursodeoxycholic acid in black bears, Ursus americanus: Seasonal changes. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2006, 143, 204-208.	1.3	13
168	Excitation of the Intrinsic Conduction System Through His and Interventricular Septal Pacing. PACE - Pacing and Clinical Electrophysiology, 2006, 29, 397-405.	0.5	42
169	In vivo versus in vitro comparison of swine cardiac performance: Induction of cardiodepression with halothane. European Journal of Pharmacology, 2006, 543, 97-107.	1.7	15
170	In vivo cardiac monophasic action potential recording using electromyogram needles. , 2006, , .		4
171	High Pacing Impedances: Are You Overtorquing Your Leads?. PACE - Pacing and Clinical Electrophysiology, 2005, 28, 883-891.	0.5	20
172	Hibernation induction trigger reduces hypoxic damage of swine skeletal muscle. Muscle and Nerve, 2005, 32, 200-207.	1.0	21
173	Stimulated muscle force assessment of the sternocleidomastoid muscle in humans. Journal of Medical Engineering and Technology, 2005, 29, 82-89.	0.8	8
174	A Novel Ex Vivo Heart Model for the Assessment of Cardiac Pacing Systems. Journal of Biomechanical Engineering, 2005, 127, 894-898.	0.6	14
175	High Capacity Implantable Data Recorders: System Design and Experience in Canines and Denning Black Bears. Journal of Biomechanical Engineering, 2005, 127, 964-971.	0.6	17
176	In Vitro Studies of Human Hearts. Annals of Thoracic Surgery, 2005, 79, 168-177.	0.7	77
177	Images of the human coronary sinus ostium obtained from isolated working hearts. Annals of Thoracic Surgery, 2003, 76, 2108.	0.7	20
178	Role of $\hat{\nu}$ -opioid receptor agonists on infarct size reduction in swine. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 282, H1953-H1960.	1.5	66
179	Muscle strength following direct injection of doxorubicin into rabbit sternocleidomastoid muscle in situ. Muscle and Nerve, 2002, 25, 735-741.	1.0	8
180	Experiential Education In New Product Design And Business Development. Journal of Product Innovation Management, 2002, 19, 4-17.	5.2	25

#	ARTICLE	IF	CITATIONS
181	Opioid preconditioning: myocardial function and energy metabolism. <i>Annals of Thoracic Surgery</i> , 2001, 72, 1576-1582.	0.7	42
182	Physiological assessment of muscle strength in vitro after direct injection of doxorubicin into rabbit sternocleidomastoid muscle. <i>Movement Disorders</i> , 2001, 16, 683-692.	2.2	8
183	Muscle strength in overwintering bears. <i>Nature</i> , 2001, 409, 997-997.	13.7	140
184	Isolated four-chamber working swine heart model. <i>Annals of Thoracic Surgery</i> , 2000, 70, 1607-1614.	0.7	136
185	4-Chloro-m-cresol Triggers Malignant Hyperthermia in Susceptible Swine at Doses Greatly Exceeding Those Found in Drug Preparations. <i>Anesthesiology</i> , 1999, 90, 1723-1732..	1.3	27
186	Doxorubicin chemomyectomy as a treatment for cervical dystonia: Histological assessment after direct injection into the sternocleidomastoid muscle. , 1998, 21, 1457-1464.		15
187	Assessing wound severity with color and infrared imaging of reactive hyperemia. <i>Wound Repair and Regeneration</i> , 1996, 4, 386-392.	1.5	9
188	Differential diagnosis of periodic paralysis aided by in vitro myography. <i>Neuromuscular Disorders</i> , 1995, 5, 115-124.	0.3	12
189	Response to Succinylcholine in Porcine Malignant Hyperthermia. <i>Anesthesia and Analgesia</i> , 1994, 79, 143-151.	1.1	24
190	In Vitro Contracture Testing for Determination of Susceptibility to Malignant Hyperthermia: A Methodologic Update. <i>Mayo Clinic Proceedings</i> , 1991, 66, 998-1004.	1.4	20
191	Resealed fiber segments for the study of the pathophysiology of human skeletal muscle. <i>Muscle and Nerve</i> , 1990, 13, 222-231.	1.0	23
192	The correlation between electrical after-activity and slowed relaxation in myotonia. <i>Muscle and Nerve</i> , 1990, 13, 240-246.	1.0	12
193	Schwartz-Jampel syndrome: II. Na ⁺ channel defect causes myotonia. <i>Muscle and Nerve</i> , 1990, 13, 528-535.	1.0	57
194	Twitch relaxation of the cat soleus muscle at different lengths and temperatures. <i>Muscle and Nerve</i> , 1990, 13, 1105-1112.	1.0	11
195	The in vitro determination of susceptibility to malignant hyperthermia. <i>Muscle and Nerve</i> , 1989, 12, 184-190.	1.0	26
196	Fura-2 detected myoplasmic calcium and its correlation with contracture force in skeletal muscle from normal and malignant hyperthermia susceptible pigs. <i>Pflugers Archiv European Journal of Physiology</i> , 1988, 411, 648-653.	1.3	103