

Paul A Iaizzo

List of Publications by Year in descending order

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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	Bears Show a Physiological but Limited Behavioral Response to Unmanned Aerial Vehicles. <i>Current Biology</i> , 2015, 25, 2278-2283.	1.8	257
2	The Effects of Radiofrequency or Cryothermal Ablation on Biomechanical Properties of Isolated Human or Swine Cardiac Tissues. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2016, 4, 1-5.	2.2	146
3	Muscle strength in overwintering bears. <i>Nature</i> , 2001, 409, 997-997.	13.7	140
4	Isolated four-chamber working swine heart model. <i>Annals of Thoracic Surgery</i> , 2000, 70, 1607-1614.	0.7	136
5	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
6	Monitoring the wild black bear's reaction to human and environmental stressors. <i>BMC Physiology</i> , 2011, 11, 13.	3.6	84
7	In Vitro Studies of Human Hearts. <i>Annals of Thoracic Surgery</i> , 2005, 79, 168-177.	0.7	77
8	Right Ventricular Anatomy Can Accommodate Multiple Micra Transcatheter Pacemakers. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2016, 39, 393-397.	0.5	75
9	American black bears perceive the risks of crossing roads. <i>Behavioral Ecology</i> , 2018, 29, 667-675.	1.0	68
10	Role of $\hat{\nu}$ -opioid receptor agonists on infarct size reduction in swine. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 282, H1953-H1960.	1.5	66
11	Extreme Respiratory Sinus Arrhythmia Enables Overwintering Black Bear Survivalâ€”Physiological Insights and Applications to Human Medicine. <i>Journal of Cardiovascular Translational Research</i> , 2010, 3, 559-569.	1.1	65
12	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
13	Prolonged EVLP Using OCS Lung. <i>Transplantation</i> , 2017, 101, 2303-2311.	0.5	62
14	Schwartz-Jampel syndrome: II. Na ⁺ channel defect causes myotonia. <i>Muscle and Nerve</i> , 1990, 13, 528-535.	1.0	57
15	Pericardial delivery of omega-3 fatty acid: a novel approach to reducing myocardial infarct sizes and arrhythmias. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H2212-H2218.	1.5	54
16	Freezeâ€”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
17	Right Atrioventricular Valve Leaflet Morphology Redefined. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 169-178.	1.1	49
18	Development and utilization of implantable cardiac monitors in free-ranging American black and Eurasian brown bears: system evolution and lessons learned. <i>Animal Biotelemetry</i> , 2018, 6, .	0.8	46

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19	Six Years in the Life of a Mother Bear - The Longest Continuous Heart Rate Recordings from a Free-Ranging Mammal. <i>Scientific Reports</i> , 2017, 7, 40732.	1.6	45
20	Mitral leaflet anatomy revisited. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009, 137, 1077-1081.	0.4	44
21	Opioid preconditioning: myocardial function and energy metabolism. <i>Annals of Thoracic Surgery</i> , 2001, 72, 1576-1582.	0.7	42
22	Excitation of the Intrinsic Conduction System Through His and Interventricular Septal Pacing. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2006, 29, 397-405.	0.5	42
23	Bears habituate to the repeated exposure of a novel stimulus, unmanned aircraft systems. , 2019, 7, coy067.		42
24	Blood clotting behavior is innately modulated in <i>Ursus Americanus</i> during early and late denning relative to summer months. <i>Journal of Experimental Biology</i> , 2017, 220, 455-459.	0.8	41
25	3D printed patient-specific aortic root models with internal sensors for minimally invasive applications. <i>Science Advances</i> , 2020, 6, eabb4641.	4.7	34
26	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
27	Dynamic obstruction to coronary sinus access: The Thebesian valve. <i>Heart Rhythm</i> , 2006, 3, 1240-1241.	0.3	30
28	Venous valves within left ventricular coronary veins. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2008, 23, 95-99.	0.6	29
29	Left Ventricular Trabeculations Decrease the Wall Shear Stress and Increase the Intra-Ventricular Pressure Drop in CFD Simulations. <i>Frontiers in Physiology</i> , 2018, 9, 458.	1.3	29
30	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
31	The in vitro determination of susceptibility to malignant hyperthermia. <i>Muscle and Nerve</i> , 1989, 12, 184-190.	1.0	26
32	Experiential Education In New Product Design And Business Development. <i>Journal of Product Innovation Management</i> , 2002, 19, 4-17.	5.2	25
33	Vitrification and Rewarming of Magnetic Nanoparticle-Loaded Rat Hearts. <i>Advanced Materials Technologies</i> , 2022, 7, 2100873.	3.0	25
34	Response to Succinylcholine in Porcine Malignant Hyperthermia. <i>Anesthesia and Analgesia</i> , 1994, 79, 143-151.	1.1	24
35	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
36	Hibernation induction trigger reduces hypoxic damage of swine skeletal muscle. <i>Muscle and Nerve</i> , 2005, 32, 200-207.	1.0	21

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37	Direct Visualization of a Transcatheter Pulmonary Valve Implantation Within the Visible Heart. <i>Circulation</i> , 2007, 116, e548.	1.6	21
38	Microanatomy of Human Left Ventricular Coronary Veins. <i>Anatomical Record</i> , 2009, 292, 23-28.	0.8	21
39	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
40	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
41	Images of the human coronary sinus ostium obtained from isolated working hearts. <i>Annals of Thoracic Surgery</i> , 2003, 76, 2108.	0.7	20
42	High Pacing Impedances: Are You Overtorquing Your Leads?. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2005, 28, 883-891.	0.5	20
43	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
44	Insights from echocardiography, magnetic resonance imaging, and microcomputed tomography relative to the mid-myocardial left ventricular echogenic zone. <i>Echocardiography</i> , 2016, 33, 1546-1556.	0.3	19
45	An experimental study of the recovery of injured porcine lungs with prolonged normothermic cellular <i>ex vivo</i> lung perfusion following donation after circulatory death. <i>Transplant International</i> , 2017, 30, 932-944.	0.8	19
46	Human Coronary Venous Anatomy: Implications for Interventions. <i>Journal of Cardiovascular Translational Research</i> , 2013, 6, 208-217.	1.1	18
47	OUP accepted manuscript. <i>Europace</i> , 2016, 18, iv163-iv172.	0.7	18
48	High Capacity Implantable Data Recorders: System Design and Experience in Canines and Denning Black Bears. <i>Journal of Biomechanical Engineering</i> , 2005, 127, 964-971.	0.6	17
49	Venous valves: Unseen obstructions to coronary access. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2007, 19, 165-166.	0.6	16
50	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
51	Doxorubicin chemomyectomy as a treatment for cervical dystonia: Histological assessment after direct injection into the sternocleidomastoid muscle. , 1998, 21, 1457-1464.		15
52	In vivo versus in vitro comparison of swine cardiac performance: Induction of cardiodepression with halothane. <i>European Journal of Pharmacology</i> , 2006, 543, 97-107.	1.7	15
53	Cardiac device testing enhanced by simultaneous imaging modalities: the Visible Heart [®] , fluoroscopy and echocardiography. <i>Expert Review of Medical Devices</i> , 2008, 5, 51-58.	1.4	15
54	Featured Article: Pharmacological postconditioning with delta opioid attenuates myocardial reperfusion injury in isolated porcine hearts. <i>Experimental Biology and Medicine</i> , 2017, 242, 986-995.	1.1	15

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55	A Novel Ex Vivo Heart Model for the Assessment of Cardiac Pacing Systems. <i>Journal of Biomechanical Engineering</i> , 2005, 127, 894-898.	0.6	14
56	Determination of cryothermal injury thresholds in tissues impacted by cardiac cryoablation. <i>Cryobiology</i> , 2017, 75, 125-133.	0.3	14
57	Plasma levels of ursodeoxycholic acid in black bears, <i>Ursus americanus</i> : Seasonal changes. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2006, 143, 204-208.	1.3	13
58	Variation in Pacing Impedance: Impact of Implant Site and Measurement Method. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2007, 30, 1076-1082.	0.5	13
59	Analysis of fiber orientation in normal and failing human hearts using diffusion tensor MRI. , 2009, , .		13
60	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
61	Patient independent representation of the detailed cardiac ventricular anatomy. <i>Medical Image Analysis</i> , 2017, 35, 270-287.	7.0	13
62	The correlation between electrical after-activity and slowed relaxation in myotonia. <i>Muscle and Nerve</i> , 1990, 13, 240-246.	1.0	12
63	Differential diagnosis of periodic paralysis aided by in vitro myography. <i>Neuromuscular Disorders</i> , 1995, 5, 115-124.	0.3	12
64	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
65	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
66	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
67	Lung transplant after prolonged <i>ex vivo</i> lung perfusion: predictors of allograft function in swine. <i>Transplant International</i> , 2018, 31, 1405-1417.	0.8	12
68	Cardiac patient-specific three-dimensional models as surgical planning tools. <i>Surgery</i> , 2020, 167, 259-263.	1.0	12
69	Efficient engraftment of pluripotent stem cell-derived myogenic progenitors in a novel immunodeficient mouse model of limb girdle muscular dystrophy 2i. <i>Skeletal Muscle</i> , 2020, 10, 10.	1.9	12
70	Twitch relaxation of the cat soleus muscle at different lengths and temperatures. <i>Muscle and Nerve</i> , 1990, 13, 1105-1112.	1.0	11
71	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
72	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

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73	<i>In Vitro</i> Effects of Propofol and Volatile Agents on Pharmacologically Induced Chloride Channel Myotonia. <i>Anesthesiology</i> , 2009, 111, 584-590.	1.3	11
74	In vitro assessment of induced phrenic nerve cryothermal injury. <i>Heart Rhythm</i> , 2014, 11, 1779-1784.	0.3	10
75	MRI Reconstructions of Human Phrenic Nerve Anatomy and Computational Modeling of Cryoballoon Ablative Therapy. <i>Annals of Biomedical Engineering</i> , 2016, 44, 1097-1106.	1.3	10
76	Investigating the physiological effects of 10.5 Tesla static field exposure on anesthetized swine. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 511-514.	1.9	10
77	3D printing to predict paravalvular regurgitation after transcatheter aortic valve replacement. <i>Catheterization and Cardiovascular Interventions</i> , 2020, 96, E703-E710.	0.7	10
78	Assessing wound severity with color and infrared imaging of reactive hyperemia. <i>Wound Repair and Regeneration</i> , 1996, 4, 386-392.	1.5	9
79	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
80	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
81	Big data in wildlife research: remote web-based monitoring of hibernating black bears. <i>BMC Physiology</i> , 2014, 14, 13.	3.6	9
82	Multimodal imaging of a transcatheter pacemaker implantation within a reanimated human heart. <i>Heart Rhythm</i> , 2014, 11, 2331-2332.	0.3	9
83	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
84	Muscle strength following direct injection of doxorubicin into rabbit sternocleidomastoid muscle in situ. <i>Muscle and Nerve</i> , 2002, 25, 735-741.	1.0	8
85	Stimulated muscle force assessment of the sternocleidomastoid muscle in humans. <i>Journal of Medical Engineering and Technology</i> , 2005, 29, 82-89.	0.8	8
86	The ABCs of autologous blood collection for ex vivo organ preservation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 433-435.	0.4	8
87	The fixation tines of the Micra [®] leadless pacemaker are atraumatic to the tricuspid valve. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2018, 41, 1606-1610.	0.5	8
88	Evaluating the roles of detailed endocardial structures on right ventricular haemodynamics by means of CFD simulations. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2018, 34, e3115.	1.0	8
89	Electrical parameters for physiological His-Purkinje pacing vary by implant location in an ex vivo canine model. <i>Heart Rhythm</i> , 2019, 16, 443-450.	0.3	8
90	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

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91	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
92	Prospective isolation of human fibroadipogenic progenitors with CD73. <i>Heliyon</i> , 2020, 6, e04503.	1.4	7
93	Assessment of single and double coronary bifurcation stenting techniques using multimodal imaging and 3D modeling in reanimated swine hearts using Visible HeartA® methodologies. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 2591-2601.	0.7	7
94	An engineering perspective on the development and evolution of implantable cardiac monitors in free-living animals. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200217.	1.8	7
95	Discrimination of ischemia and normal sinus rhythm for cardiac signals using a modified k means clustering algorithm. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 3856-9.	0.5	6
96	The Effects of Temperature on Cardiac Pacing Thresholds. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2010, 33, 826-833.	0.5	6
97	Multimodal Imaging of a Transcatheter Aortic Valve Implantation Within an Isolated Heart. <i>JACC: Cardiovascular Imaging</i> , 2011, 4, 1138-1139.	2.3	6
98	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
99	The relative anatomy of the coronary arterial and venous systems. <i>Clinical Anatomy</i> , 2014, 27, 1023-1029.	1.5	6
100	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
101	The novel in vitro reanimation of isolated human and large mammalian heart-lung blocs. <i>BMC Physiology</i> , 2016, 16, 4.	3.6	6
102	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
103	Effects of Ablation (Radio Frequency, Cryo, Microwave) on Physiologic Properties of the Human Vastus Lateralis. <i>IEEE Transactions on Biomedical Engineering</i> , 2018, 65, 2202-2209.	2.5	6
104	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
105	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
106	Prolonged extracorporeal preservation and evaluation of human lungs with portable normothermic ex vivo perfusion. <i>Clinical Transplantation</i> , 2020, 34, e13801.	0.8	6
107	Three dimensional reconstruction of coronary artery stents from optical coherence tomography: experimental validation and clinical feasibility. <i>Scientific Reports</i> , 2021, 11, 12252.	1.6	6
108	Following the beat of cardiac potentials. <i>IEEE Potentials</i> , 2007, 26, 19-25.	0.2	5

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109	Isolated Atrial Segment Pacing. <i>Journal of the American College of Cardiology</i> , 2007, 49, 1443-1449.	1.2	5
110	An interactive graphical user interface for comprehensive analysis of human and swine cardiac monophasic action potential. <i>Computers in Biology and Medicine</i> , 2009, 39, 1105-1116.	3.9	5
111	Visualization of catheter ablation for atrial fibrillation: Impact of devices and anatomy. <i>World Journal of Cardiology</i> , 2015, 7, 754.	0.5	5
112	In vivo cardiac monophasic action potential recording using electromyogram needles. , 2006, , .		4
113	The Pericardium. , 2009, , 125-136.		4
114	The Importance of Human Cardiac Anatomy for Translational Research. <i>Journal of Cardiovascular Translational Research</i> , 2013, 6, 105-106.	1.1	4
115	Direct visualization of induced steam pops during radiofrequency ablation. <i>HeartRhythm Case Reports</i> , 2015, 1, 264-265.	0.2	4
116	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
117	The Visible Heart® project and methodologies: novel use for studying cardiac monophasic action potentials and evaluating their underlying mechanisms. <i>Expert Review of Medical Devices</i> , 2018, 15, 467-477.	1.4	4
118	Compartment Syndrome: Evaluation of Skeletal Muscle Ischemia and Physiologic Biomarkers in Controlled Conditions Within Ex Vivo Isolated Muscle Bundles. <i>Journal of Orthopaedic Trauma</i> , 2020, 34, 518-523.	0.7	4
119	Algorithm for the analysis of pre-extraction computed tomographic images to evaluate implanted lead-lead interactions and lead-vascular attachments. <i>Heart Rhythm</i> , 2020, 17, 1009-1016.	0.3	4
120	Direct Visualization of TAVR-Related Coronary Artery Management Techniques in Reanimated Beating Hearts. <i>JACC: Cardiovascular Interventions</i> , 2021, 14, e87-e91.	1.1	4
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	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
123	Irreversible Electroporation of Cardiovascular Cells and Tissues. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2013, 7, .	0.4	3
124	Reversible and Irreversible Damage of the Myocardium: Ischemia/Reperfusion Injury and Cardioprotection. , 2015, , 279-293.		3
125	A Simplified Model for the Assessment of Ex Vivo Lung Perfusion Methodologies and Treatments1. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2016, 10, .	0.4	3
126	Testing the Efficacy of Pharmacological Agents in a Pericardial Target Delivery Model in the Swine. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	3

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127	Multimodal imaging employed during extraction of pacing or defibrillator leads from perfusion-fixed human hearts. <i>HeartRhythm Case Reports</i> , 2020, 6, 918-921.	0.2	3
128	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
129	Imaging in the context of replacement heart valve development: use of the Visible Heart(®) methodologies. <i>Cardiovascular Diagnosis and Therapy</i> , 2012, 2, 220-30.	0.7	3
130	<i>In vitro</i> contractile studies within isolated tissue baths: Translational research from Visible Heart® Laboratories. <i>Experimental Biology and Medicine</i> , 2022, 247, 584-597.	1.1	3
131	Novel visualization of intracardiac pacing lead extractions: methodologies performed within isolated canine hearts. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2009, 24, 27-31.	0.6	2
132	Malignant hyperthermia – Update of diagnostics. <i>Trends in Anaesthesia and Critical Care</i> , 2012, 2, 218-223.	0.4	2
133	Physiological Tissue Response to Various Ablative Modalities1. <i>Journal of Medical Devices, Transactions of the ASME</i> , 2014, 8, .	0.4	2
134	The Coronary Vascular System and Associated Medical Devices. , 2015, , 137-161.		2
135	Isometric skeletal muscle force measurement in primary myopathies. <i>Muscle and Nerve</i> , 2016, 53, 913-917.	1.0	2
136	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
137	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
138	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
139	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
140	Virtual Prototyping: Computational Device Placements within Detailed Human Heart Models. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 175.	1.3	2
141	First Successful Open-Heart Surgery Utilizing Cross-Circulation in 1954. <i>Annals of Thoracic Surgery</i> , 2020, 110, 336-341.	0.7	2
142	Multimodal functional and still imaging of a transplanted human heart reanimated using Visible Heart® methodologies. <i>Journal of Cardiac Surgery</i> , 2020, 35, 668-671.	0.3	2
143	High-resolution 3D reconstructions of human vasculatures: creation of educational tools and benchtop models for transcatheter devices. <i>Cardiovascular Intervention and Therapeutics</i> , 2022, 37, 519-525.	1.2	2
144	Isolated Heart Models. , 2010, , 249-260.		1

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145	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
146	Tissue Necrosis Associated With Chemical Ablations1. Journal of Medical Devices, Transactions of the ASME, 2016, 10, .	0.4	1
147	A Device to Aid in Quantifying Lung Compliance and Edema1. Journal of Medical Devices, Transactions of the ASME, 2016, 10, .	0.4	1
148	CRT-700.12 3D Printing and Computer Modeling to Predict Paravalvular Leak in Transcatheter Aortic Valve Replacement. JACC: Cardiovascular Interventions, 2018, 11, S50.	1.1	1
149	Direct visualization of the removal of chronically implanted pacing leads from an unfixed human cadaver. HeartRhythm Case Reports, 2018, 4, 170-172.	0.2	1
150	Induced functional modulations of isolated large mammalian hearts. Pflugers Archiv European Journal of Physiology, 2019, 471, 1095-1101.	1.3	1
151	Importance of Human Cadaver Studies in Education and Medical Device Research. , 2019, , 255-280.		1
152	Impact of statin intake on malignant hyperthermia: an in vitro and in vivo swine study. BMC Anesthesiology, 2020, 20, 270.	0.7	1
153	Distributions of Arterial Calcification Along Transcatheter Delivery System Pathway. , 2019, , .		1
154	Visualization of an innovative approach for mitral isthmus ablation. Journal of Integrative Cardiology, 2016, 1, .	0.1	1
155	Physiological Assessment of Cardiac Muscle Post-Irreversible Electroporation Therapy. , 2017, , .		1
156	Biomechanical Responses of Swine Esophagus Tissue to Irreversible Electroporation. , 2018, , .		1
157	Viscosity Matching Positively Affects the Correlation of Pressure-Volume Loops Between In-Vivo and Ex-Vivo Models. , 2021, , .		1
158	Altered Vascular Contractilities Associated with the Applications of Irreversible Electroporation. , 2021, , .		1
159	Interactive Computational Medical Device Deployments within Virtual Reality. , 2021, , .		1
160	Evaluating the Potential Susceptibilities of Swine Bronchi to Colateral Damage from Applied Cryoablation. , 2021, , .		1
161	The functional anatomy of human cardiac valves and unique visualization of transcatheter-delivered valves being deployed. , 2009, 2009, 1098-9.		0
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