

# Paul A Iaizzo

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

171  
papers

2,411  
citations

26  
h-index

43  
g-index

200  
ext. papers

2,786  
ext. citations

3.4  
avg, IF

5.13  
L-index

#	Paper	IF	Citations
171	contractile studies within isolated tissue baths: Translational research from Visible Heart Laboratories.. <i>Experimental Biology and Medicine</i> , <b>2022</b> , 15353702211070535	3.7	0
170	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. <i>Structural Heart</i> , <b>2022</b> , 100033	0.6	
169	Direct Visualization of TAVR-Related Coronary Artery Management Techniques in Reanimated Beating Hearts. <i>JACC: Cardiovascular Interventions</i> , <b>2021</b> , 14, e87-e91	5	2
168	Assessment of single and double coronary bifurcation stenting techniques using multimodal imaging and 3D modeling in reanimated swine hearts using Visible Heart <sup>2</sup> methodologies. <i>International Journal of Cardiovascular Imaging</i> , <b>2021</b> , 37, 2591-2601	2.5	1
167	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> , <b>2021</b> , 376, 20200217	5.8	4
166	Three dimensional reconstruction of coronary artery stents from optical coherence tomography: experimental validation and clinical feasibility. <i>Scientific Reports</i> , <b>2021</b> , 11, 12252	4.9	2
165	High-resolution 3D reconstructions of human vasculatures: creation of educational tools and benchtop models for transcatheter devices. <i>Cardiovascular Intervention and Therapeutics</i> , <b>2021</b> , 1	2.5	
164	Virtual Prototyping: Computational Device Placements within Detailed Human Heart Models. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 175	2.6	
163	3-Dimensional printing to predict paravalvular regurgitation after transcatheter aortic valve replacement. <i>Catheterization and Cardiovascular Interventions</i> , <b>2020</b> , 96, E703-E710	2.7	4
162	First Successful Open-Heart Surgery Utilizing Cross-Circulation in 1954. <i>Annals of Thoracic Surgery</i> , <b>2020</b> , 110, 336-341	2.7	1
161	Algorithm for the analysis of pre-extraction computed tomographic images to evaluate implanted lead-lead interactions and lead-vascular attachments. <i>Heart Rhythm</i> , <b>2020</b> , 17, 1009-1016	6.7	2
160	Prolonged extracorporeal preservation and evaluation of human lungs with portable normothermic ex vivo perfusion. <i>Clinical Transplantation</i> , <b>2020</b> , 34, e13801	3.8	2
159	Multimodal functional and still imaging of a transplanted human heart reanimated using Visible Heart <sup>2</sup> methodologies. <i>Journal of Cardiac Surgery</i> , <b>2020</b> , 35, 668-671	1.3	1
158	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 <b>2020</b> , 53-62		0
157	Multimodal imaging employed during extraction of pacing or defibrillator leads from perfusion-fixed human hearts. <i>HeartRhythm Case Reports</i> , <b>2020</b> , 6, 918-921	1	1
156	Prospective isolation of human fibroadipogenic progenitors with CD73. <i>Heliyon</i> , <b>2020</b> , 6, e04503	3.6	3
155	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> , <b>2020</b> , 34, 518-523	3.1	0

154	Impact of statin intake on malignant hyperthermia: an in vitro and in vivo swine study. <i>BMC Anesthesiology</i> , <b>2020</b> , 20, 270	2.4	0
153	3D printed patient-specific aortic root models with internal sensors for minimally invasive applications. <i>Science Advances</i> , <b>2020</b> , 6, eabb4641	14.3	11
152	Cardiac patient-specific three-dimensional models as surgical planning tools. <i>Surgery</i> , <b>2020</b> , 167, 259-263.	3.6	7
151	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> , <b>2020</b> , 10, 10	5.1	8
150	Contact Forces Required to Record Monophasic Action Potentials: A Complement to Catheter Contact Force Measurement. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2019</b> , 66, 2974-2978	5	
149	Right Atrioventricular Valve Leaflet Morphology Redefined: Implications for Transcatheter Repair Procedures. <i>JACC: Cardiovascular Interventions</i> , <b>2019</b> , 12, 169-178	5	28
148	The Ability to Reproducibly Record Cardiac Action Potentials From Multiple Anatomic Locations: Endocardially and Epicardially, In Situ and In Vitro. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2019</b> , 66, 159-164	5	
147	Effects of ATP administration on isolated swine hearts: Implications for perfusion and cardiac transplantation. <i>Experimental Biology and Medicine</i> , <b>2019</b> , 244, 915-922	3.7	0
146	Induced functional modulations of isolated large mammalian hearts. <i>Pflugers Archiv European Journal of Physiology</i> , <b>2019</b> , 471, 1095-1101	4.6	1
145	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> , <b>2019</b> , 35, 2135-2137	2.5	3
144	Direct endoscopic visualization of physiological His-bundle pacing and surrounding anatomy within reanimated human hearts using visible heart methodologies. <i>HeartRhythm Case Reports</i> , <b>2019</b> , 5, 209-212	1.2	2
143	Electrical parameters for physiological His-Purkinje pacing vary by implant location in an ex vivo canine model. <i>Heart Rhythm</i> , <b>2019</b> , 16, 443-450	6.7	7
142	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> , <b>2019</b> , 12, 250-256	3.3	4
141	Bears habituate to the repeated exposure of a novel stimulus, unmanned aircraft systems <b>2019</b> , 7, coy067		25
140	Advancing the Design and Testing of Novel Cardiac Device Technologies Using the Visible Heart <b>2019</b> , 119-152		
139	Electroporation Ablative Therapy as a Clinical Tool <b>2019</b> , 179-200		
138	Importance of Human Cadaver Studies in Education and Medical Device Research <b>2019</b> , 255-280		0
137	Retrieval of a chronically implanted leadless pacemaker within an isolated heart using direct visualization. <i>HeartRhythm Case Reports</i> , <b>2018</b> , 4, 167-169	1	5

136	The quantitative assessment of epicardial fat distribution on human hearts: Implications for epicardial electrophysiology. <i>Clinical Anatomy</i> , <b>2018</b> , 31, 661-666	2.5	0
135	Assessment of Ablative Therapies in Swine: Response of Respiratory Diaphragm to Varying Doses. <i>Annals of Biomedical Engineering</i> , <b>2018</b> , 46, 947-959	4.7	2
134	American black bears perceive the risks of crossing roads. <i>Behavioral Ecology</i> , <b>2018</b> , 29, 667-675	2.3	50
133	Effects of Ablation (Radio Frequency, Cryo, Microwave) on Physiologic Properties of the Human Vastus Lateralis. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2018</b> , 65, 2202-2209	5	3
132	Investigating the physiological effects of 10.5 Tesla static field exposure on anesthetized swine. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 511-514	4.4	10
131	The ABCs of autologous blood collection for ex vivo organ preservation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2018</b> , 155, 433-435	1.5	5
130	Left Ventricular Trabeculations Decrease the Wall Shear Stress and Increase the Intra-Ventricular Pressure Drop in CFD Simulations. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 458	4.6	15
129	Lung transplant after prolonged ex vivo lung perfusion: predictors of allograft function in swine. <i>Transplant International</i> , <b>2018</b> , 31, 1405-1417	3	7
128	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> , <b>2018</b> , 15, 467-477	2.5	2
127	Direct visualization of the removal of chronically implanted pacing leads from an unfixed human cadaver. <i>Heart Rhythm Case Reports</i> , <b>2018</b> , 4, 170-172	1	1
126	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> , <b>2018</b> , 34, e3115	2.6	5
125	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> , <b>2018</b> , 6,	2.8	36
124	The fixation tines of the Micra leadless pacemaker are atraumatic to the tricuspid valve. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2018</b> , 41, 1606-1610	1.6	3
123	Six Years in the Life of a Mother Bear - The Longest Continuous Heart Rate Recordings from a Free-Ranging Mammal. <i>Scientific Reports</i> , <b>2017</b> , 7, 40732	4.9	39
122	An experimental study of the recovery of injured porcine lungs with prolonged normothermic cellular ex vivo lung perfusion following donation after circulatory death. <i>Transplant International</i> , <b>2017</b> , 30, 932-944	3	15
121	Featured Article: Pharmacological postconditioning with delta opioid attenuates myocardial reperfusion injury in isolated porcine hearts. <i>Experimental Biology and Medicine</i> , <b>2017</b> , 242, 986-995	3.7	12
120	Prolonged EVLP Using OCS Lung: Cellular and Acellular Perfusates. <i>Transplantation</i> , <b>2017</b> , 101, 2303-2311	4.8	39
119	Determination of cryothermal injury thresholds in tissues impacted by cardiac cryoablation. <i>Cryobiology</i> , <b>2017</b> , 75, 125-133	2.7	9

118	Patient independent representation of the detailed cardiac ventricular anatomy. <i>Medical Image Analysis</i> , <b>2017</b> , 35, 270-287	15.4	9
117	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> , <b>2017</b> , 220, 455-459	3	35
116	The novel in vitro reanimation of isolated human and large mammalian heart-lung blocs. <i>BMC Physiology</i> , <b>2016</b> , 16, 4	0	3
115	Insights from echocardiography, magnetic resonance imaging, and microcomputed tomography relative to the mid-myocardial left ventricular echogenic zone. <i>Echocardiography</i> , <b>2016</b> , 33, 1546-1556	1.5	11
114	Testing the Efficacy of Pharmacological Agents in a Pericardial Target Delivery Model in the Swine. <i>Journal of Visualized Experiments</i> , <b>2016</b> ,	1.6	3
113	Isometric skeletal muscle force measurement in primary myopathies. <i>Muscle and Nerve</i> , <b>2016</b> , 53, 913-7	3.4	1
112	Right Ventricular Anatomy Can Accommodate Multiple Micra Transcatheter Pacemakers. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2016</b> , 39, 393-7	1.6	55
111	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> , <b>2016</b> , 4, 1900105	3	138
110	MRI Reconstructions of Human Phrenic Nerve Anatomy and Computational Modeling of Cryoballoon Ablative Therapy. <i>Annals of Biomedical Engineering</i> , <b>2016</b> , 44, 1097-106	4.7	8
109	In Vitro Evaluations of Cardiac Mapping Catheters Designs and Utilities: Employing Visible Heart <sup>®</sup> Methodologies <sup>1</sup> . <i>Journal of Medical Devices, Transactions of the ASME</i> , <b>2016</b> , 10,	1.3	1
108	A Simplified Model for the Assessment of Ex Vivo Lung Perfusion Methodologies and Treatments <sup>1</sup> . <i>Journal of Medical Devices, Transactions of the ASME</i> , <b>2016</b> , 10,	1.3	3
107	Tissue Necrosis Associated With Chemical Ablations <sup>1</sup> . <i>Journal of Medical Devices, Transactions of the ASME</i> , <b>2016</b> , 10,	1.3	1
106	A Device to Aid in Quantifying Lung Compliance and Edema <sup>1</sup> . <i>Journal of Medical Devices, Transactions of the ASME</i> , <b>2016</b> , 10,	1.3	1
105	The Visible Heart <sup>®</sup> project and free-access website Atlas of Human Cardiac Anatomy <sup>®</sup> <i>Europace</i> , <b>2016</b> , 18, iv163-iv172	3.9	11
104	Tissue properties of the fossa ovalis as they relate to transeptal punctures: a translational approach. <i>Journal of Interventional Cardiology</i> , <b>2015</b> , 28, 98-108	1.8	11
103	Left phrenic nerve anatomy relative to the coronary venous system: Implications for phrenic nerve stimulation during cardiac resynchronization therapy. <i>Clinical Anatomy</i> , <b>2015</b> , 28, 621-6	2.5	7
102	Bears Show a Physiological but Limited Behavioral Response to Unmanned Aerial Vehicles. <i>Current Biology</i> , <b>2015</b> , 25, 2278-83	6.3	202
101	The Coronary Vascular System and Associated Medical Devices <b>2015</b> , 137-161		1

100	The Use of Isolated Heart Models and Anatomical Specimens as Means to Enhance the Design and Testing of Cardiac Devices <b>2015</b> , 751-764		
99	Direct visualization of induced steam pops during radiofrequency ablation. <i>HeartRhythm Case Reports</i> , <b>2015</b> , 1, 264-265	1	2
98	Direct visualization of an atrial transeptal left ventricular endocardial lead implantation within an isolated heart. <i>HeartRhythm Case Reports</i> , <b>2015</b> , 1, 107-109	1	
97	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> , <b>2015</b> , 8, 244-52	3-3	9
96	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> , <b>2015</b> , 3, 1900606	3	4
95	Reversible and Irreversible Damage of the Myocardium: Ischemia/Reperfusion Injury and Cardioprotection <b>2015</b> , 279-293		3
94	Pacing and Defibrillation <b>2015</b> , 543-575		
93	The Pericardium <b>2015</b> , 163-174		1
92	Optimal contact forces to minimize cardiac perforations before, during, and/or after radiofrequency or cryothermal ablations. <i>Heart Rhythm</i> , <b>2015</b> , 12, 291-6	6.7	17
91	Visualization of catheter ablation for atrial fibrillation: Impact of devices and anatomy. <i>World Journal of Cardiology</i> , <b>2015</b> , 7, 754-64	2.1	3
90	Transcatheter Valve Repair and Replacement <b>2015</b> , 671-683		
89	A detailed assessment of the human coronary venous system using contrast computed tomography of perfusion-fixed specimens. <i>Heart Rhythm</i> , <b>2014</b> , 11, 282-8	6.7	11
88	The relative anatomy of the coronary arterial and venous systems: implications for coronary interventions. <i>Clinical Anatomy</i> , <b>2014</b> , 27, 1023-9	2.5	4
87	In vitro assessment of induced phrenic nerve cryothermal injury. <i>Heart Rhythm</i> , <b>2014</b> , 11, 1779-84	6.7	8
86	Multimodal imaging of a transcatheter pacemaker implantation within a reanimated human heart. <i>Heart Rhythm</i> , <b>2014</b> , 11, 2331-2	6.7	9
85	A Head and Neck Support Device for Inducing Local Hypothermia. <i>Journal of Medical Devices, Transactions of the ASME</i> , <b>2014</b> , 8, 0110021-110029	1.3	5
84	Physiological Tissue Response to Various Ablative Modalities <sup>1</sup> . <i>Journal of Medical Devices, Transactions of the ASME</i> , <b>2014</b> , 8,	1.3	1
83	Big data in wildlife research: remote web-based monitoring of hibernating black bears. <i>BMC Physiology</i> , <b>2014</b> , 14, 13	0	8

82	Human coronary venous anatomy: implications for interventions. <i>Journal of Cardiovascular Translational Research</i> , <b>2013</b> , 6, 208-17	3.3	11
81	Anatomical reconstructions of the human cardiac venous system using contrast-computed tomography of perfusion-fixed specimens. <i>Journal of Visualized Experiments</i> , <b>2013</b> ,	1.6	2
80	The Use of Isolated Heart Models and Anatomic Specimens as Means to Enhance the Design and Testing of Cardiac Valve Therapies <b>2013</b> , 359-380		
79	The benefits of the Atlas of Human Cardiac Anatomy website for the design of cardiac devices. <i>Expert Review of Medical Devices</i> , <b>2013</b> , 10, 729-34	3.5	3
78	Irreversible Electroporation of Cardiovascular Cells and Tissues. <i>Journal of Medical Devices, Transactions of the ASME</i> , <b>2013</b> , 7,	1.3	2
77	Wound healing during hibernation by black bears ( <i>Ursus americanus</i> ) in the wild: elicitation of reduced scar formation. <i>Integrative Zoology</i> , <b>2012</b> , 7, 48-60	1.9	60
76	Imaging of a coronary artery stent implantation within an isolated human heart. <i>Journal of Cardiovascular Translational Research</i> , <b>2012</b> , 5, 73-4	3.3	7
75	Malignant hyperthermia □Update of diagnostics. <i>Trends in Anaesthesia and Critical Care</i> , <b>2012</b> , 2, 218-223	0.4	2
74	Cardiac responses to the intrapericardial delivery of metoprolol: targeted delivery compared to intravenous administration. <i>Journal of Cardiovascular Translational Research</i> , <b>2012</b> , 5, 535-40	3.3	8
73	The design and use of an optical mapping system for the study of intracardiac electrical signaling. <i>Indian Pacing and Electrophysiology Journal</i> , <b>2012</b> , 12, 138-51	1.5	3
72	Imaging in the context of replacement heart valve development: use of the Visible Heart(□) methodologies. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2012</b> , 2, 220-30	2.6	3
71	Videoscopic images of unique septal and medial papillary muscle complexes recorded from reanimated human hearts. <i>FASEB Journal</i> , <b>2012</b> , 26, 726.10	0.9	
70	Estimating Water Loss During Hibernation in the American Black Bear ( <i>Ursus americanus</i> ). <i>FASEB Journal</i> , <b>2012</b> , 26, 1071.13	0.9	
69	Novel visualization of iatrogenic atrial septal defects and ablation lesions in a reanimated human heart. <i>FASEB Journal</i> , <b>2012</b> , 26, 726.9	0.9	
68	The Atlas of Human Cardiac Anatomy: A free-access educational website. <i>FASEB Journal</i> , <b>2012</b> , 26, 529.17	0.9	
67	High speed imaging of an aortic valve in a full-functional reanimated human heart. <i>FASEB Journal</i> , <b>2012</b> , 26, 726.8	0.9	
66	Novel imaging of the implantation of left-sided pacing leads within reanimated swine hearts. <i>FASEB Journal</i> , <b>2012</b> , 26, 523.2	0.9	
65	Assessments of Chamber Volumes within Perfusion-Fixed Human Hearts: Direct Measurements versus 3D Volume Reconstructions. <i>FASEB Journal</i> , <b>2012</b> , 26, 524.2	0.9	

64	Multimodal imaging of a transcatheter aortic valve implantation within an isolated heart. <i>JACC: Cardiovascular Imaging</i> , <b>2011</b> , 4, 1138-9	8.4	4
63	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> , <b>2011</b> , 5,	1.3	10
62	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> , <b>2011</b> , 27, 1223-34	2.5	8
61	Electrophysiological mechanisms of the anti-arrhythmic effects of omega-3 fatty acids. <i>Journal of Cardiovascular Translational Research</i> , <b>2011</b> , 4, 42-52	3.3	26
60	Modeling of Induced Electric Fields as a Function of Cardiac Anatomy and Venous Pacing Lead Location. <i>Cardiovascular Engineering and Technology</i> , <b>2011</b> , 2, 399-407	2.2	1
59	Monitoring the wild black bear's reaction to human and environmental stressors. <i>BMC Physiology</i> , <b>2011</b> , 11, 13	0	74
58	Edge-to-edge repairs of P2 prolapsed mitral valves in isolated swine hearts. <i>Journal of Heart Valve Disease</i> , <b>2011</b> , 20, 5-12		4
57	The effects of temperature on cardiac pacing thresholds. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2010</b> , 33, 826-33	1.6	4
56	Isolated Heart Models <b>2010</b> , 249-260		1
55	Freeze-thaw induced biomechanical changes in arteries: role of collagen matrix and smooth muscle cells. <i>Annals of Biomedical Engineering</i> , <b>2010</b> , 38, 694-706	4.7	45
54	Extreme respiratory sinus arrhythmia enables overwintering black bear survival--physiological insights and applications to human medicine. <i>Journal of Cardiovascular Translational Research</i> , <b>2010</b> , 3, 559-69	3.3	58
53	Effects of left ventricular lead positions and coronary venous microanatomy on cardiac pacing parameters. <i>Journal of Electrocardiology</i> , <b>2010</b> , 43, 136-41	1.4	7
52	MRI assessment of pacing induced ventricular dyssynchrony in an isolated human heart. <i>Journal of Magnetic Resonance Imaging</i> , <b>2010</b> , 31, 466-9	5.6	8
51	The functional anatomy of human cardiac valves and unique visualization of transcatheter-delivered valves being deployed. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2009</b> , 2009, 1038-9	0.9	
50	Analysis of fiber orientation in normal and failing human hearts using diffusion tensor MRI <b>2009</b> ,		10
49	Mitral leaflet anatomy revisited. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2009</b> , 137, 1077-81	1.5	37
48	Microanatomy of human left ventricular coronary veins. <i>Anatomical Record</i> , <b>2009</b> , 292, 23-8	2.1	11
47	Novel visualization of intracardiac pacing lead extractions: methodologies performed within isolated canine hearts. <i>Journal of Interventional Cardiac Electrophysiology</i> , <b>2009</b> , 24, 27-31	2.4	2



46	Global electrophysiological and hemodynamic assessment of ventricular pacing employing non-contact mapping. <i>Journal of Interventional Cardiac Electrophysiology</i> , <b>2009</b> , 26, 185-94	2.4	
45	An interactive graphical user interface for comprehensive analysis of human and swine cardiac monophasic action potential. <i>Computers in Biology and Medicine</i> , <b>2009</b> , 39, 1105-16	7	4
44	The Pericardium <b>2009</b> , 125-136		3
43	In vitro effects of propofol and volatile agents on pharmacologically induced chloride channel myotonia. <i>Anesthesiology</i> , <b>2009</b> , 111, 584-90	4.3	10
42	Transcatheter Valve Repair and Replacement <b>2009</b> , 561-569		
41	Cardiac device testing enhanced by simultaneous imaging modalities: the Visible Heart, fluoroscopy and echocardiography. <i>Expert Review of Medical Devices</i> , <b>2008</b> , 5, 51-8	3.5	13
40	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> , <b>2008</b> , 294, H2212-8	5.2	48
39	Venous valves within left ventricular coronary veins. <i>Journal of Interventional Cardiac Electrophysiology</i> , <b>2008</b> , 23, 95-9	2.4	20
38	Isolated atrial segment pacing: an alternative to His bundle pacing after atrioventricular junctional ablation. <i>Journal of the American College of Cardiology</i> , <b>2007</b> , 49, 1443-9	15.1	5
37	Variation in pacing impedance: impact of implant site and measurement method. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2007</b> , 30, 1076-82	1.6	10
36	Venous valves: unseen obstructions to coronary access. <i>Journal of Interventional Cardiac Electrophysiology</i> , <b>2007</b> , 19, 165-6	2.4	8
35	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> , <b>2007</b> , 2007, 3856-9		5
34	Images in cardiovascular medicine. Direct visualization of a transcatheter pulmonary valve implantation within the visible heart: a glimpse into the future. <i>Circulation</i> , <b>2007</b> , 116, e548	16.7	17
33	Following the beat of cardiac potentials. <i>IEEE Potentials</i> , <b>2007</b> , 26, 19-25	1	5
32	In vivo versus in vitro comparison of swine cardiac performance: induction of cardiodepression with halothane. <i>European Journal of Pharmacology</i> , <b>2006</b> , 543, 97-107	5.3	13
31	In vivo cardiac monophasic action potential recording using electromyogram needles <b>2006</b> ,		4
30	Dynamic obstruction to coronary sinus access: the Thebesian valve. <i>Heart Rhythm</i> , <b>2006</b> , 3, 1240-1	6.7	29
29	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> , <b>2006</b> , 143, 204-8	3.2	11

28	Excitation of the intrinsic conduction system through his and interventricular septal pacing. <i>PACE - Pacing and Clinical Electrophysiology</i> , <b>2006</b> , 29, 397-405	1.6	32
27	A novel ex vivo heart model for the assessment of cardiac pacing systems. <i>Journal of Biomechanical Engineering</i> , <b>2005</b> , 127, 894-8	2.1	13
26	High capacity implantable data recorders: system design and experience in canines and Denning black bears. <i>Journal of Biomechanical Engineering</i> , <b>2005</b> , 127, 964-71	2.1	14
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20	Muscle strength following direct injection of doxorubicin into rabbit sternocleidomastoid muscle in situ. <i>Muscle and Nerve</i> , <b>2002</b> , 25, 735-741	3.4	7
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18	Role of delta-opioid receptor agonists on infarct size reduction in swine. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2002</b> , 282, H1953-60	5.2	54
17	Physiological assessment of muscle strength in vitro after direct injection of doxorubicin into rabbit sternocleidomastoid muscle. <i>Movement Disorders</i> , <b>2001</b> , 16, 683-92	7	7
16	Muscle strength in overwintering bears. <i>Nature</i> , <b>2001</b> , 409, 997	50.4	114
15	Opioid preconditioning: myocardial function and energy metabolism. <i>Annals of Thoracic Surgery</i> , <b>2001</b> , 72, 1576-82	2.7	40
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