

Douglas L Jones

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155
papers

7,301
citations

35
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83
g-index

175
ext. papers

7,865
ext. citations

4.5
avg, IF

5.3
L-index

#	Paper	IF	Citations
155	From motivation to action: functional interface between the limbic system and the motor system. <i>Progress in Neurobiology</i> , 1980 , 14, 69-97	10.9	1923
154	Chronic rapid atrial pacing. Structural, functional, and electrophysiological characteristics of a new model of sustained atrial fibrillation. <i>Circulation</i> , 1995 , 91, 1588-95	16.7	667
153	Somatic mutations in the connexin 40 gene (GJA5) in atrial fibrillation. <i>New England Journal of Medicine</i> , 2006 , 354, 2677-88	59.2	429
152	Increased inducible nitric oxide synthase expression contributes to myocardial dysfunction and higher mortality after myocardial infarction in mice. <i>Circulation</i> , 2001 , 104, 700-4	16.7	243
151	Injections of dopaminergic, cholinergic, serotonergic and GABAergic drugs into the nucleus accumbens: effects on locomotor activity in the rat. <i>Neuropharmacology</i> , 1981 , 20, 29-37	5.5	186
150	. <i>IEEE Transactions on Acoustics, Speech, and Signal Processing</i> , 1990 , 38, 2127-2135		168
149	Nucleus accumbens to globus pallidus GABA projection: electrophysiological and iontophoretic investigations. <i>Brain Research</i> , 1980 , 188, 93-105	3.7	154
148	Paradigm of genetic mosaicism and lone atrial fibrillation: physiological characterization of a connexin 43-deletion mutant identified from atrial tissue. <i>Circulation</i> , 2010 , 122, 236-44	16.7	135
147	Bias in the Cq value observed with hydrolysis probe based quantitative PCR can be corrected with the estimated PCR efficiency value. <i>Methods</i> , 2010 , 50, 313-22	4.6	122
146	SaeR binds a consensus sequence within virulence gene promoters to advance USA300 pathogenesis. <i>Journal of Infectious Diseases</i> , 2010 , 201, 241-54	7	116
145	A permanent transvenous lead system for an implantable pacemaker cardioverter-defibrillator. Nonthoracotomy approach to implantation. <i>Circulation</i> , 1992 , 85, 196-204	16.7	102
144	Internal cardiac defibrillation in man: pronounced improvement with sequential pulse delivery to two different lead orientations. <i>Circulation</i> , 1986 , 73, 484-91	16.7	98
143	Neuronal nitric oxide synthase protects against myocardial infarction-induced ventricular arrhythmia and mortality in mice. <i>Circulation</i> , 2009 , 120, 1345-54	16.7	96
142	Increased atrial arrhythmia susceptibility induced by intense endurance exercise in mice requires TNF α . <i>Nature Communications</i> , 2015 , 6, 6018	17.4	92
141	Time and frequency domain analyses of heart rate variability during orthostatic stress in patients with neurally mediated syncope. <i>American Journal of Cardiology</i> , 1994 , 74, 1258-62	3	91
140	Defibrillation threshold: a simple and quantitative estimate of the ability to defibrillate. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1987 , 10, 70-7	1.6	86
139	Surgical repair of Wolff-Parkinson-White syndrome: a new closed-heart technique. <i>Annals of Thoracic Surgery</i> , 1984 , 37, 67-71	2.7	85

138	Surgery for Wolff-Parkinson-White syndrome: further experience with an epicardial approach. <i>Circulation</i> , 1986 , 74, 525-9	16.7	72
137	Surgical correction of the Wolff-Parkinson-White syndrome in the closed heart using cryosurgery: a simplified approach. <i>Journal of the American College of Cardiology</i> , 1984 , 3, 405-9	15.1	70
136	Improved internal defibrillation with twin pulse sequential energy delivery to different lead orientations in pigs. <i>American Journal of Cardiology</i> , 1985 , 55, 821-5	3	67
135	Effects of aging on sarcoplasmic reticulum function and contraction duration in skeletal muscles of the rat. <i>American Journal of Physiology - Cell Physiology</i> , 1996 , 271, C1032-40	5.4	61
134	Scalable stochastic processors 2010 ,		59
133	Defibrillation efficacy. Comparison of defibrillation threshold versus dose-response curve determination. <i>Circulation Research</i> , 1991 , 69, 45-51	15.7	58
132	Sequential pulse defibrillation in humans: orthogonal sequential pulse defibrillation with epicardial electrodes. <i>Journal of the American College of Cardiology</i> , 1988 , 11, 590-6	15.1	57
131	Surgical ablation of posterior septal accessory pathways in the Wolff-Parkinson-White syndrome by a closed heart technique. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1986 , 92, 406-413	1.5	54
130	Dynamic 2D ultrasound and 3D CT image registration of the beating heart. <i>IEEE Transactions on Medical Imaging</i> , 2009 , 28, 1179-89	11.7	52
129	Safety and feasibility of cryothermal ablation within the mid- and distal coronary sinus. <i>Journal of Cardiovascular Electrophysiology</i> , 2004 , 15, 1319-23	2.7	50
128	Electrophysiologic substrate associated with pacing-induced heart failure in dogs: potential value of programmed stimulation in predicting sudden death. <i>Journal of the American College of Cardiology</i> , 1992 , 19, 444-9	15.1	50
127	Changes in pacing threshold and R wave amplitude after transvenous catheter countershock. <i>Journal of the American College of Cardiology</i> , 1984 , 4, 543-9	15.1	47
126	Evidence for enhanced M3 muscarinic receptor function and sensitivity to atrial arrhythmia in the RGS2-deficient mouse. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 298, H554-61	5.2	44
125	Ventricular fibrillation: the importance of being coarse?. <i>Journal of Electrocardiology</i> , 1984 , 17, 393-9	1.4	42
124	Defibrillation shocks produce different effects on Purkinje fibers and ventricular muscle: implications for successful defibrillation, refrillation and postshock arrhythmia. <i>Journal of the American College of Cardiology</i> , 1993 , 22, 607-14	15.1	41
123	Pacing threshold changes after transvenous catheter countershock. <i>American Journal of Cardiology</i> , 1984 , 53, 503-7	3	41
122	Locomotor activity elicited by injections of picrotoxin into the ventral tegmental area is attenuated by injections of GABA into the globus pallidus. <i>Brain Research</i> , 1980 , 191, 569-71	3.7	41
121	Central injections of spiperone and GABA: attenuation of angiotensin II stimulated thirst. <i>Canadian Journal of Physiology and Pharmacology</i> , 1982 , 60, 720-6	2.4	35

120	En bloc exclusion of the pulmonary vein region in the pig using off pump, beating, intra-cardiac surgery: a pilot study of minimally invasive surgery for atrial fibrillation. <i>Annals of Thoracic Surgery</i> , 2005 , 80, 1417-23	2.7	34
119	US-fluoroscopy registration for transcatheter aortic valve implantation. <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 1444-53	5	33
118	Atrial tachycardia/fibrillation in the connexin 43 G60S mutant (Oculodentodigital dysplasia) mouse. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 300, H1402-11	5.2	33
117	Role of tumor necrosis factor-alpha in myocardial dysfunction and apoptosis during hindlimb ischemia and reperfusion. <i>Critical Care Medicine</i> , 2006 , 34, 484-91	1.4	33
116	Contribution of nucleus medianus to the drinking and pressor responses to angiotensin II acting at subfornical organ. <i>Brain Research</i> , 1989 , 488, 49-56	3.7	33
115	Defibrillation with the sequential pulse technique: reproducibility with repeated shocks. <i>American Heart Journal</i> , 1986 , 111, 874-8	4.9	33
114	Controlled cryothermal injury to the AV node: feasibility for AV nodal modification. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1985 , 8, 630-8	1.6	30
113	Prediction of defibrillation success from a single defibrillation threshold measurement with sequential pulses and two current pathways in humans. <i>Circulation</i> , 1988 , 78, 1144-9	16.7	29
112	Inside the beating heart: an in vivo feasibility study on fusing pre- and intra-operative imaging for minimally invasive therapy. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2009 , 4, 113-23	3.9	28
111	Cold-induced sweating syndrome: a report of two cases and demonstration of genetic heterogeneity. <i>Journal of the Neurological Sciences</i> , 2006 , 250, 62-70	3.2	28
110	Effects of lidocaine on defibrillation threshold in the pig: evidence of anesthesia related increase. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1991 , 14, 1239-44	1.6	28
109	Erythropoietin protects the heart from ventricular arrhythmia during ischemia and reperfusion via neuronal nitric-oxide synthase. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 329, 900-74.7	1.6	27
108	Effects of lidocaine and verapamil on defibrillation in humans. <i>Journal of Electrocardiology</i> , 1991 , 24, 299-305	1.4	27
107	Internal ventricular defibrillation with sequential pulse countershock in pigs: comparison with single pulses and effects of pulse separation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1987 , 10, 497-502	1.6	27
106	Correlation between the ventricular electrogram amplitude in sinus rhythm and in ventricular fibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1990 , 13, 1105-9	1.6	26
105	Internal cardiac defibrillation threshold: effects of acute ischemia. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1986 , 9, 322-31	1.6	26
104	Hypothalamic alpha-adrenergic blockade modifies drinking and blood pressure responses to central angiotensin II in conscious rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 1988 , 66, 1270-74	1.6	26
103	Oral motor performance following central dopamine receptor blockade. <i>European Journal of Pharmacology</i> , 1979 , 59, 11-21	5.3	26

102	Combination biphasic waveform plus sequential pulse defibrillation improves defibrillation efficacy of a nonthoracotomy lead system. <i>Journal of the American College of Cardiology</i> , 1994 , 23, 317-22	15.1	24
101	Effects of time to defibrillation and subthreshold preshocks on defibrillation success in pigs. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1989 , 12, 358-65	1.6	24
100	Blind location and separation of callers in a natural chorus using a microphone array. <i>Journal of the Acoustical Society of America</i> , 2009 , 126, 895-910	2.2	23
99	Pronounced increase in defibrillation threshold associated with pacing-induced cardiomyopathy in the dog. <i>American Heart Journal</i> , 1994 , 127, 366-76	4.9	23
98	Internal cardiac defibrillation: single and sequential pulses and a variety of lead orientations. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1988 , 11, 583-91	1.6	23
97	Nucleus accumbens to globus pallidus GABA projection subserving ambulatory activity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1980 , 238, R65-9	3.2	23
96	Adaptation to cold: energy metabolism in an atypical lagomorph, the arctic hare (<i>Lepus arcticus</i>). <i>Canadian Journal of Zoology</i> , 1973 , 51, 841-6	1.5	23
95	Design, development and evaluation of a compact telerobotic catheter navigation system. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2016 , 12, 442-52	2.9	23
94	Effect of beta-blockers on QT dynamics in the long QT syndrome: measuring the benefit. <i>Europace</i> , 2014 , 16, 1847-51	3.9	22
93	Flecainide acetate does not alter the energy requirements for direct ventricular defibrillation using sequential pulse defibrillation in pigs. <i>Journal of Cardiovascular Pharmacology</i> , 1988 , 12, 377-83	3.1	22
92	Total System Energy Minimization for Wireless Image Transmission. <i>Journal of Signal Processing Systems</i> , 2001 , 27, 99-117		21
91	Defibrillation depresses heart sarcoplasmic reticulum calcium pump: a mechanism of postshock dysfunction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998 , 274, H98-105	5.2	21
90	Injections of phentolamine into the anterior hypothalamus-preoptic area of rats blocks both pressor and drinking responses produced by central administration of angiotensin II. <i>Brain Research Bulletin</i> , 1984 , 13, 127-33	3.9	21
89	The effect of noradrenaline, injected into the hypothalamus, on thermoregulation in the cat. <i>Journal of Physiology</i> , 1976 , 261, 211-22	3.9	21
88	Cryosurgical modification of the atrioventricular node: a closed heart approach in the dog. <i>Journal of the American College of Cardiology</i> , 1987 , 10, 389-98	15.1	20
87	Increased Susceptibility for Atrial and Ventricular Cardiac Arrhythmias in Mice Treated With a Single High Dose of Ibrutinib. <i>Canadian Journal of Cardiology</i> , 2018 , 34, 337-341	3.8	19
86	Calling dynamics and call synchronization in a local group of unison bout callers. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2014 , 200, 93-107	2.3	19
85	Mitral valve implantation using off-pump closed beating intracardiac surgery: a feasibility study. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2007 , 6, 603-7	1.8	19

84	Spontaneous, electrically, and cesium chloride induced arrhythmia and afterdepolarizations in the rapidly paced dog heart. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2001 , 24, 474-85	1.6	19
83	Age- and myopathy-dependent changes in connexins of normal and cardiomyopathic syrian hamster ventricular myocardium. <i>Canadian Journal of Physiology and Pharmacology</i> , 2000 , 78, 669-678	2.4	19
82	Serine phosphorylation of the sarcoplasmic reticulum Ca(2+)-ATPase in the intact beating rabbit heart. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 264, 241-6	3.4	19
81	Temperature sensitivity of axonal transport in hibernating and nonhibernating rodents. <i>Experimental Neurology</i> , 1978 , 61, 74-83	5.7	19
80	Cardiac-specific overexpression of human stem cell factor promotes epicardial activation and arteriogenesis after myocardial infarction. <i>Circulation: Heart Failure</i> , 2014 , 7, 831-42	7.6	18
79	Bretylum decreases and verapamil increases defibrillation threshold in pigs. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1994 , 17, 1380-90	1.6	18
78	Metabolic and cardiovascular adaptations in the western chipmunks, genus <i>Eutamias</i> . <i>Journal of Comparative Physiology B</i> , 1976 , 105, 219-231		18
77	Development of a time-frequency approach to quantify railroad ballast fouling condition using ultra-wide band ground-penetrating radar data. <i>International Journal of Pavement Engineering</i> , 2010 , 11, 269-279	2.6	17
76	Utility of low energy test shocks for estimation of cardiac and electrode impedance with implantable defibrillators. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1990 , 13, 410-6	1.6	17
75	The repetitive ventricular response: relationship to ventricular fibrillation threshold in dogs. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1983 , 6, 1258-67	1.6	17
74	Kainic acid lesions of the median preoptic nucleus: effects on angiotensin II induced drinking and pressor responses in the conscious rat. <i>Canadian Journal of Physiology and Pharmacology</i> , 1988 , 66, 1082-6	2.4	16
73	Ultrasound image and augmented reality guidance for off-pump, closed, beating, intracardiac surgery. <i>Artificial Organs</i> , 2008 , 32, 840-5	2.6	15
72	Anatomical pitfalls during encircling cryoablation of the left atrium for atrial fibrillation therapy in the pig. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2008 , 21, 187-93	2.4	15
71	Nitric oxide depresses connexin 43 after myocardial infarction in mice. <i>Acta Physiologica</i> , 2008 , 194, 23-33	3.6	15
70	Dose reduction for cardiac CT using a registration-based approach. <i>Medical Physics</i> , 2007 , 34, 1884-95	4.4	14
69	Biphasic versus sequential pulse defibrillation: a direct comparison in humans. <i>American Heart Journal</i> , 1993 , 125, 405-9	4.9	14
68	Total disconnection of the right ventricular free wall: physiological consequences in the dog. <i>American Heart Journal</i> , 1984 , 107, 1169-77	4.9	14
67	Maternal voluntary exercise mitigates oxidative stress and incidence of congenital heart defects in pre-gestational diabetes. <i>Journal of Cellular and Molecular Medicine</i> , 2019 , 23, 5553-5565	5.6	13

66	Sodium hydrogen exchange 1 (NHE-1) regulates connexin 43 expression in cardiomyocytes via reverse mode sodium calcium exchange and c-Jun NH2-terminal kinase-dependent pathways. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008 , 327, 105-13	4.7	13
65	Effects of flecainide on defibrillation threshold in pigs. <i>Journal of Cardiovascular Pharmacology</i> , 1993 , 21, 573-7	3.1	13
64	Influence of cardiopulmonary bypass on internal cardiac defibrillation. <i>American Journal of Cardiology</i> , 1986 , 57, 1194-5	3	13
63	Effects of autonomic manipulation on ventricular fibrillation and internal cardiac defibrillation thresholds in pigs. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1996 , 19, 1355-62	1.6	12
62	The defibrillation threshold: how many measurements are enough?. <i>American Heart Journal</i> , 1989 , 117, 977-9	4.9	12
61	Biphasic locomotor response to intra-accumbens dopamine in a nonhuman primate. <i>Pharmacology Biochemistry and Behavior</i> , 1981 , 15, 243-6	3.9	12
60	Towards a Medical Virtual Reality Environment for Minimally Invasive Cardiac Surgery. <i>Lecture Notes in Computer Science</i> , 2008 , 1-11	0.9	12
59	Role of Cholinergic Innervation and RGS2 in Atrial Arrhythmia. <i>Frontiers in Physiology</i> , 2012 , 3, 239	4.6	11
58	On enhancing planning and navigation of beating-heart mitral valve surgery using pre-operative cardiac models. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007 , 2007, 475-8		10
57	Coordinate downregulation of CaM kinase II and phospholamban accompanies contractile phenotype transition in the hyperthyroid rabbit soleus. <i>American Journal of Physiology - Cell Physiology</i> , 2004 , 287, C622-32	5.4	10
56	Sequential pulse countershock between two transvenous catheters: feasibility, safety, and efficacy. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1989 , 12, 1869-77	1.6	10
55	Atrial arrhythmias and autonomic dysfunction in rats exposed to chronic intermittent hypoxia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018 , 314, H1160-H1168	5.2	9
54	Effects of acute and prolonged administration of propafenone on internal defibrillation in the pig. <i>American Heart Journal</i> , 1992 , 124, 104-9	4.9	9
53	Cardioversion and defibrillation using a catheter electrode: myocardial damage assessed at autopsy. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1987 , 10, 800-4	1.6	9
52	Mapping of cardiac electrophysiology onto a dynamic patient-specific heart model. <i>IEEE Transactions on Medical Imaging</i> , 2009 , 28, 1870-80	11.7	8
51	Ouabain injected into the hypothalamus elicits pressor responses in anaesthetized rats: a mapping study. <i>Pharmacology Biochemistry and Behavior</i> , 1990 , 36, 979-83	3.9	8
50	Central integration of cardiovascular and drinking responses elicited by central administration of angiotensin II: divergence of regulation by the ventral tegmental area and nucleus accumbens. <i>Canadian Journal of Physiology and Pharmacology</i> , 1986 , 64, 1011-6	2.4	8
49	Alterations in body temperature elicited by intrahypothalamic administration of tetrodotoxin, ouabain and A23187 ionophore in the conscious cat. <i>Brain Research Bulletin</i> , 1980 , 5, 75-80	3.9	8

48	Surface-Based CT-TEE Registration of the Aortic Root. <i>IEEE Transactions on Biomedical Engineering</i> , 2013 , 60, 3382-90	5	7
47	A stimulus-dependent spike threshold is an optimal neural coder. <i>Frontiers in Computational Neuroscience</i> , 2015 , 9, 61	3.5	7
46	Spinal cord stimulation causes potentiation of right vagus nerve effects on atrial chronotropic function and repolarization in canines. <i>Journal of Cardiovascular Electrophysiology</i> , 2011 , 22, 440-7	2.7	7
45	Off-pump atrial septal defect closure using the universal cardiac introducer: creation of models of atrial septal defects in the pig access and surgical technique. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2009 , 4, 20-6	1.5	7
44	Hybrid approach for minimally-invasive operative therapy of arrhythmias. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2003 , 9, 289-94	2.4	7
43	High voltage shock induced cellular electrophysiological effects: transient refractoriness and bimodal changes in action potential duration. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1995 , 18, 1225-35	1.6	7
42	Effect of intermittent hypoxia on arcuate nucleus in the leptin-deficient rat. <i>Neuroscience Letters</i> , 2016 , 626, 112-8	3.3	7
41	Over-expression of calpastatin attenuates myocardial injury following myocardial infarction by inhibiting endoplasmic reticulum stress. <i>Journal of Thoracic Disease</i> , 2018 , 10, 5283-5297	2.6	7
40	Comparison of single-biphasic versus sequential-biphasic shocks on defibrillation threshold in pigs. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1997 , 20, 1606-12	1.6	6
39	Biphasic versus sequential pulse defibrillation: a direct comparison in pigs. <i>American Heart Journal</i> , 1992 , 124, 97-103	4.9	6
38	Ethanol increases defibrillation threshold in pigs. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1993 , 16, 19-25	1.6	6
37	Perfusions of the posterior hypothalamus of cats with various ions and saccharides: effects on body temperature. <i>Canadian Journal of Physiology and Pharmacology</i> , 1978 , 56, 571-7	2.4	6
36	Calpain activation mediates microgravity-induced myocardial abnormalities in mice via p38 and ERK1/2 MAPK pathways. <i>Journal of Biological Chemistry</i> , 2020 , 295, 16840-16851	5.4	6
35	Revisiting right atrial isolation rationale for atrial fibrillation: functional anatomy of interatrial connections. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2013 , 37, 267-73	2.4	5
34	Lack of norepinephrine--neuropeptide Y interactions in the hypothalamic control of cardiovascular regulation in urethane-anesthetized rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 1993 , 71, 326-34	2.4	5
33	Cardiovascular and drinking responses elicited by central administration of angiotensin II: differential effects of GABA injected into the ventral tegmental area and spiperone injected into the nucleus accumbens. <i>Brain Research Bulletin</i> , 1986 , 17, 265-9	3.9	5
32	ITEM: Immersive Telepresence for Entertainment and Meetings: A Practical Approach. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2015 , 9, 546-561	7.5	4
31	A 3.6-mW 50-MHz PN Code Acquisition Filter via Statistical Error Compensation in 180-nm CMOS. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2015 , 23, 598-602	2.6	4

30	Eliminating the effects of motion during radiofrequency lesion delivery using a novel contact-force controller. <i>Journal of Cardiovascular Electrophysiology</i> , 2019 , 30, 1652-1662	2.7	4
29	Feature-based US to CT registration of the aortic root 2011 ,		4
28	Arrhythmogenic effects of catecholamines are decreased in heart failure induced by rapid pacing in dogs. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1993 , 265, H1654-62	5.2	4
27	Adrenergic effects on internal cardiac defibrillation threshold. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1987 , 253, H500-6	5.2	4
26	Adaptive cardiovascular modifications in the western chipmunks genus <i>Eutamias</i> . <i>Journal of Comparative Physiology B</i> , 1976 , 112, 307-315		4
25	Feature-Sharing in Cascade Detection Systems With Multiple Applications. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2017 , 11, 466-478	7.5	3
24	Right-side RF ablation using remote catheter navigation: experimental results in vivo. <i>Journal of Cardiovascular Electrophysiology</i> , 2012 , 23, 81-7	2.7	3
23	Validation of a new micro-manometer pressure sensor for cardiovascular measurements in mice. <i>Biomedical Instrumentation and Technology</i> , 2010 , 44, 75-83	0.4	3
22	Navigation accuracy for an intracardiac procedure using ultrasound enhanced virtual reality 2007 ,		3
21	Effects of defibrillation shocks delivered directly over a major coronary artery. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1992 , 15, 1711-9	1.6	3
20	Thermoregulatory effects of methoxamine and isoprenaline following injections into the cerebral ventricles of conscious rabbits. <i>Canadian Journal of Physiology and Pharmacology</i> , 1977 , 55, 821-7	2.4	3
19	A minimum-error, energy-constrained neural code is an instantaneous-rate code. <i>Journal of Computational Neuroscience</i> , 2016 , 40, 193-206	1.4	2
18	Off-Pump Atrial Septal Defect Closure Using the Universal Cardiac Introducer. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2009 , 4, 20-26	1.5	2
17	Accuracy assessment of fluoroscopy-transesophageal echocardiography registration 2011 ,		2
16	Intracardiac cryo-ablation on the off-pump, beating heart, combined with or replacing the epicardial approach for minimally-invasive surgery for atrial fibrillation. <i>Heart Rhythm</i> , 2005 , 2, S91	6.7	2
15	Leptin dependent changes in the expression of tropomyosin receptor kinase B protein in nucleus of the solitary tract to acute intermittent hypoxia. <i>Neuroscience Letters</i> , 2015 , 602, 115-9	3.3	1
14	A Sequence Matching Network for Polyphonic Sound Event Localization and Detection 2020 ,		1
13	Hybrid access to atria via the Guiraudon Universal Cardiac Introducer for arrhythmia ablation after total cavopulmonary derivation. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2012 , 7, 217-22	1.5	1

12	Distinct Effects of Ibrutinib and Acalabrutinib on Mouse Atrial and Sinoatrial Node Electrophysiology and Arrhythmogenesis. <i>Journal of the American Heart Association</i> , 2021 , 10, e022369	6	1
11	Cardiac Imaging and Modeling for Guidance of Minimally Invasive Beating Heart Interventions. <i>Lecture Notes in Computer Science</i> , 2009 , 466-475	0.9	1
10	Advancing the understanding of research during medical education through collaborative learning: the Collaboration of Practitioners and Researchers Seminar Series. <i>BMC Medical Education</i> , 2019 , 19, 457	3.3	1
9	Mentoring needs of distributed medical education faculty at a Canadian medical school: a mixed-methods descriptive study. <i>Canadian Journal of Rural Medicine: the Official Journal of the Society of Rural Physicians of Canada = Journal Canadien De La Médecine Rurale: Le Journal Officiel De La Société Des Médecins De Médecine Rurale Du Canada</i>	0.5	1
8	SALSA: Spatial Cue-Augmented Log-Spectrogram Features for Polyphonic Sound Event Localization and Detection. <i>IEEE/ACM Transactions on Audio Speech and Language Processing</i> , 2022 , 30, 1749-1762	3.6	1
7	Combined effects of reduced connexin 43, depressed active generator properties and energetic stress on conduction disturbances in canine failing myocardium. <i>Pflugers Archiv European Journal of Physiology</i> , 2007 , 454, 999-1009	4.6	0
6	Tensorial dynamic time warping with articulation index representation for efficient audio-template learning. <i>Journal of the Acoustical Society of America</i> , 2018 , 143, 1548	2.2	
5	Revisiting heart activation-conduction physiology, part I: atria. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2014 , 40, 9-15	2.4	
4	Augmented Reality Image Guidance during Off-Pump Mitral Valve Replacement through the Guiraudon Universal Cardiac Introducer. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2010 , 5, 430-438	1.5	
3	Off-pump positioning of a conventional aortic valve prosthesis through the left ventricular apex with the universal cardiac introducer under sole ultrasound guidance, in the pig. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2009 , 4, 269-77	1.5	
2	Off-Pump Positioning of a Conventional Aortic Valve Prosthesis through the Left Ventricular Apex with the Universal Cardiac Introducer under Sole Ultrasound Guidance, in the Pig. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2009 , 4, 269-277	1.5	
1	Hybrid Access to Atria via the Guiraudon Universal Cardiac Introducer for Arrhythmia Ablation after Total Cavopulmonary Derivation. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2012 , 7, 217-222	1.5	