Derek J Dosdall

List of Publications by Year
in descending order

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48	907	516710 16	477307 29
papers	citations	h-index	g-index

48	48	48	1142
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shortâ€term natural course of esophageal thermal injury after ablation for atrial fibrillation. Journal of Cardiovascular Electrophysiology, 2022, 33, 1450-1459.	1.7	1
2	Shorter distance between the esophagus and the left atrium is associated with higher rates of esophageal thermal injury after radiofrequency ablation. Journal of Cardiovascular Electrophysiology, 2022, 33, 1460-1471.	1.7	2
3	His bundle pacing shows similar ventricular electrical activation as sinus: selective and nonselective His pacing indistinguishable. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H13-H22.	3.2	4
4	Area Available for Atrial Fibrillation to Propagate Is an Important Determinant of Recurrence After Ablation. JACC: Clinical Electrophysiology, 2021, 7, 896-908.	3.2	5
5	Premature atrial stimulation accentuates conduction abnormalities in cardiac surgery patients that develop postoperative atrial fibrillation. Journal of Electrocardiology, 2021, 69, 36-43.	0.9	1
6	His-Purkinje Involvement in Arrhythmias and Defibrillation. , 2021, , 121-132.		0
7	Atrial slow conduction develops and dynamically expands during premature stimulation in an animal model of persistent atrial fibrillation. PLoS ONE, 2021, 16, e0258285.	2.5	0
8	During Early VF in Rabbit Hearts, His Bundle Pacing is Less Effective Than Working Myocardial Pacing in Modulating Left Ventricular Activation Rates. Cardiovascular Engineering and Technology, 2021, , 1.	1.6	0
9	Perioperative Biomarkers Predicting Postoperative Atrial Fibrillation Risk After Coronary Artery Bypass Grafting: A Narrative Review. Journal of Cardiothoracic and Vascular Anesthesia, 2020, 34, 1933-1941.	1.3	16
10	Blanking period after radiofrequency ablation for atrial fibrillation guided by ablation lesion maturation based on serial MR imaging. Journal of Cardiovascular Electrophysiology, 2020, 31, 450-456.	1.7	8
11	Effective Ablation Settings That Predict Chronic Scar After Left Atrial Ablation. JACC: Clinical Electrophysiology, 2020, 6, 143-152.	3.2	7
12	Reproducibility of clinical late gadolinium enhancement magnetic resonance imaging in detecting left atrial scar after atrial fibrillation ablation. Journal of Cardiovascular Electrophysiology, 2020, 31, 2824-2832.	1.7	7
13	In Vitro/Ex Vivo Investigation of Modified Utah Electrode Array to Selectively Sense and Pace the Sub-Surface Cardiac His Bundle. ACS Biomaterials Science and Engineering, 2020, 6, 3335-3348.	5.2	3
14	A real-time system for selectively sensing and pacing the His-bundle during sinus rhythm and ventricular fibrillation. BioMedical Engineering OnLine, 2020, 19, 19.	2.7	1
15	Clinical Risk Factors for Postoperative Atrial Fibrillation among Patients after Cardiac Surgery. Thoracic and Cardiovascular Surgeon, 2019, 67, 107-116.	1.0	43
16	Changes in atrial electrophysiological and structural substrate and their relationship to histology in a longâ€term chronic canine atrial fibrillation model. PACE - Pacing and Clinical Electrophysiology, 2019, 42, 930-936.	1.2	9
17	Severe Hypoglycemiaâ€“Induced Fatal Cardiac Arrhythmias Are Mediated by the Parasympathetic Nervous System in Rats. Diabetes, 2019, 68, 2107-2119.	0.6	13
18	Characterization of edema after cryo and radiofrequency ablations based on serial magnetic resonance imaging. Journal of Cardiovascular Electrophysiology, 2019, 30, 255-262.	1.7	26

#	Article	IF	Citations
19	Regions of High Dominant Frequency in Chronic Atrial Fibrillation Anchored to Areas of Atrial Fibrosis. , 2019, 46, .		1
20	Effect of selective His bundle pacing on ventricular fibrillation activation rates in rabbit hearts. FASEB Journal, 2019, 33, lb489.	0.5	0
21	Effects of combination of sotalol and verapamil on initiation, maintenance, and termination of ventricular fibrillation in swine hearts. Cardiovascular Therapeutics, 2018, 36, e12326.	2.5	2
22	Higher contact force during radiofrequency ablation leads to a much larger increase in edema as compared to chronic lesion size. Journal of Cardiovascular Electrophysiology, 2018, 29, 1143-1149.	1.7	11
23	Atrial fibrillation observed on surface ECG can be atrial flutter or atrial tachycardia. Journal of Electrocardiology, 2018, 51, S67-S71.	0.9	4
24	Acute noncontrast T1â€weighted magnetic resonance imaging predicts chronic radiofrequency ablation lesions. Journal of Cardiovascular Electrophysiology, 2018, 29, 1556-1562.	1.7	15
25	Characterization of Gadolinium Contrast Enhancement of Radiofrequency Ablation Lesions in Predicting Edema and Chronic Lesion Size. Circulation: Arrhythmia and Electrophysiology, 2017, 10, .	4.8	44
26	Endocardial Activation Drives Activation Patterns During Long-Duration Ventricular Fibrillation and Defibrillation. Circulation: Arrhythmia and Electrophysiology, 2017, 10, .	4.8	17
27	Restitution characteristics of His bundle and working myocardium in isolated rabbit hearts. PLoS ONE, 2017, 12, e0186880.	2.5	4
28	Increased Susceptibility to Atrial Fibrillation Secondary to Atrial Fibrosis in Transgenic Goats Expressing Transforming Growth Factorâ€Î²1. Journal of Cardiovascular Electrophysiology, 2016, 27, 1220-1229.	1.7	40
29	Diverse Fibrosis Architecture and Premature Stimulation Facilitate Initiation of Reentrant Activity Following Chronic Atrial Fibrillation. Journal of Cardiovascular Electrophysiology, 2015, 26, 1352-1360.	1.7	25
30	Verapamil reduces incidence of reentry during ventricular fibrillation in pigs. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H1361-H1369.	3.2	6
31	The Importance of Purkinje Activation in Long Duration Ventricular Fibrillation. Journal of the American Heart Association, 2014, 3, e000495.	3.7	42
32	Diagnostic imaging and pacemaker implantation in a domestic goat with persistent left cranial vena cava. Journal of Veterinary Cardiology, 2014, 16, 45-50.	0.9	7
33	His Bundle Activates Faster than Ventricular Myocardium during Prolonged Ventricular Fibrillation. PLoS ONE, 2014, 9, e101666.	2.5	7
34	Chronic atrial fibrillation causes left ventricular dysfunction in dogs but not goats: experience with dogs, goats, and pigs. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 305, H725-H731.	3.2	39
35	Long-Duration Ventricular Fibrillation Exhibits 2 Distinct Organized States. Circulation: Arrhythmia and Electrophysiology, 2013, 6, 1192-1199.	4.8	10
36	Evolution of activation patterns during long-duration ventricular fibrillation in pigs. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H992-H1002.	3.2	32

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37	Different types of long-duration ventricular fibrillation: Can they be identified by electrocardiography. Journal of Electrocardiology, 2012, 45, 658-659.	0.9	5
38	Periods of Highly Synchronous, Nonâ€Reentrant Endocardial Activation Cycles Occur During Longâ€Duration Ventricular Fibrillation. Journal of Cardiovascular Electrophysiology, 2010, 21, 1266-1273.	1.7	34
39	Activation becomes highly organized during long-duration ventricular fibrillation in canine hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H2046-H2053.	3.2	19
40	Purkinje activation precedes myocardial activation following defibrillation after long-duration ventricular fibrillation. Heart Rhythm, 2010, 7, 405-412.	0.7	23
41	Mechanisms of Defibrillation. Annual Review of Biomedical Engineering, 2010, 12, 233-258.	12.3	66
42	Mechanisms of VF maintenance: Wandering wavelets, mother rotors, or foci. Heart Rhythm, 2009, 6, 405-415.	0.7	56
43	Transmural recording of shock potential gradient fields, early postshock activations, and refibrillation episodes associated with external defibrillation of long-duration ventricular fibrillation in swine. Heart Rhythm, 2008, 5, 1599-1606.	0.7	14
44	Chemical ablation of the Purkinje system causes early termination and activation rate slowing of long-duration ventricular fibrillation in dogs. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H883-H889.	3.2	79
45	Activation Patterns of Purkinje Fibers During Long-Duration Ventricular Fibrillation in an Isolated Canine Heart Model. Circulation, 2007, 116, 1113-1119.	1.6	92
46	The Transmural Activation Sequence in Porcine and Canine Left Ventricle Is Markedly Different During Longâ€Duration Ventricular Fibrillation. Journal of Cardiovascular Electrophysiology, 2007, 18, 1306-1312.	1.7	63
47	Guidelines for Plunge Needle Recording for Effective Detection of Purkinje Activation. , 2006, 2006, 3915-8.		4
48	Mapping of Ventricular Tachycardia and Fibrillation: Role of the Purkinje System. , 0, , 411-422.		0