

# Dan Wichterle

## List of Publications by Year in descending order

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Version: 2024-02-01

117  
papers

3,818  
citations

159525

30  
h-index

133188

59  
g-index

119  
all docs

119  
docs citations

119  
times ranked

4273  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical Reconnection After Pulmonary Vein Isolation Is Contingent on Contact Force During Initial Treatment. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 327-333.	2.1	401
2	Heart Rate Turbulence: Standards of Measurement, Physiological Interpretation, and Clinical Use. <i>Journal of the American College of Cardiology</i> , 2008, 52, 1353-1365.	1.2	396
3	EFFICAS II: optimization of catheter contact force improves outcome of pulmonary vein isolation for paroxysmal atrial fibrillation. <i>Europace</i> , 2015, 17, 1229-1235.	0.7	302
4	The durability of pulmonary vein isolation using the visually guided laser balloon catheter: Multicenter results of pulmonary vein remapping studies. <i>Heart Rhythm</i> , 2012, 9, 919-925.	0.3	141
5	Precise assessment of noncompliance with the antihypertensive therapy in patients with resistant hypertension using toxicological serum analysis. <i>Journal of Hypertension</i> , 2013, 31, 2455-2461.	0.3	136
6	Both fenofibrate and atorvastatin improve vascular reactivity in combined hyperlipidaemia (fenofibrate versus atorvastatin trial "FAT"). <i>Cardiovascular Research</i> , 2001, 52, 290-298.	1.8	131
7	Complications of Catheter Ablation of Ventricular Tachycardia. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014, 7, 684-690.	2.1	106
8	Complications of catheter ablation for atrial fibrillation in a high-volume centre with the use of intracardiac echocardiography. <i>Europace</i> , 2013, 15, 24-32.	0.7	100
9	Locations of High Contact Force During Left Atrial Mapping in Atrial Fibrillation Patients. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 746-753.	2.1	100
10	Increased Arterial Wall Stiffness in Primary Aldosteronism in Comparison With Essential Hypertension. <i>American Journal of Hypertension</i> , 2006, 19, 909-914.	1.0	96
11	Adrenalectomy Improves Arterial Stiffness in Primary Aldosteronism. <i>American Journal of Hypertension</i> , 2008, 21, 1086-1092.	1.0	89
12	Increased intima-media thickness of the common carotid artery in primary aldosteronism in comparison with essential hypertension. <i>Journal of Hypertension</i> , 2007, 25, 1451-1457.	0.3	85
13	Prevalent Low-Frequency Oscillation of Heart Rate. <i>Circulation</i> , 2004, 110, 1183-1190.	1.6	77
14	Catheter ablation of electrical storm in patients with structural heart disease. <i>Europace</i> , 2011, 13, 109-113.	0.7	70
15	Robotic Navigation in Catheter Ablation for Paroxysmal Atrial Fibrillation: Midterm Efficacy and Predictors of Postablation Arrhythmia Recurrences. <i>Journal of Cardiovascular Electrophysiology</i> , 2011, 22, 534-540.	0.8	60
16	The prevalence of metabolic syndrome and its components in two main types of primary aldosteronism. <i>Journal of Human Hypertension</i> , 2010, 24, 625-630.	1.0	57
17	Comparison of the effects of atorvastatin or fenofibrate on nonlipid biochemical risk factors and the LDL particle size in subjects with combined hyperlipidemia. <i>American Heart Journal</i> , 2002, 144, E6.	1.2	56
18	Catheter ablation of arrhythmic storm triggered by monomorphic ectopic beats in patients with coronary artery disease. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2010, 27, 51-59.	0.6	56

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19	Catheter Ablation of Refractory Ventricular Fibrillation Storm After Myocardial Infarction. <i>Circulation</i> , 2019, 139, 2315-2325.	1.6	55
20	Novel spectral indexes of heart rate variability as predictors of sudden and non-sudden cardiac death after an acute myocardial infarction. <i>Annals of Medicine</i> , 2007, 39, 54-62.	1.5	53
21	Clinical value of assessment of left atrial late gadolinium enhancement in patients undergoing ablation of atrial fibrillation. <i>International Journal of Cardiology</i> , 2015, 179, 351-357.	0.8	50
22	Ultrasound-guided versus conventional femoral venipuncture for catheter ablation of atrial fibrillation: a multicentre randomized efficacy and safety trial (ULTRA-FAST trial). <i>Europace</i> , 2018, 20, 1107-1114.	0.7	49
23	Atrial high-rate episodes: prevalence, stroke risk, implications for management, and clinical gaps in evidence. <i>Europace</i> , 2019, 21, 1459-1467.	0.7	45
24	Left Ventricular Lead Electrical Delay Is a Predictor of Mortality in Patients With Cardiac Resynchronization Therapy. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2015, 8, 1113-1121.	2.1	43
25	Pulse wave velocity in primary hyperparathyroidism and effect of surgical therapy. <i>Hypertension Research</i> , 2011, 34, 296-300.	1.5	42
26	Mechanisms involved in heart rate turbulence. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2002, 6, 262-266.	0.9	40
27	Hemodynamics and Autonomic Control of Heart Rate Turbulence. <i>Journal of Cardiovascular Electrophysiology</i> , 2006, 17, 286-291.	0.8	40
28	A prospective evaluation of haemodynamics, functional status, and quality of life after radiofrequency catheter ablation of long-standing persistent atrial fibrillation. <i>Europace</i> , 2014, 16, 15-25.	0.7	38
29	Long-term effect of specific treatment of primary aldosteronism on carotid intima-media thickness. <i>Journal of Hypertension</i> , 2015, 33, 874-882.	0.3	35
30	Cardiac resynchronisation therapy optimisation strategies: Systematic classification, detailed analysis, minimum standards and a roadmap for development and testing. <i>International Journal of Cardiology</i> , 2013, 170, 118-131.	0.8	34
31	Effect of atorvastatin and fenofibrate on autonomic tone in subjects with combined hyperlipidemia. <i>American Journal of Cardiology</i> , 2003, 92, 337-341.	0.7	31
32	Relation of central and brachial blood pressure to left ventricular hypertrophy. The Czech Post-MONICA Study. <i>Journal of Human Hypertension</i> , 2012, 26, 14-19.	1.0	31
33	The Effect of ICD Programming on Inappropriate and Appropriate ICD Therapies in Ischemic and Nonischemic Cardiomyopathy: The MADIT-ERIT Trial. <i>Journal of Cardiovascular Electrophysiology</i> , 2015, 26, 424-433.	0.8	31
34	Repeatability of noninvasive surrogates of endothelial function. <i>American Journal of Cardiology</i> , 2004, 94, 693-696.	0.7	30
35	Early Experience with Robotic Navigation for Catheter Ablation of Paroxysmal Atrial Fibrillation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2009, 32, S163-6.	0.5	30
36	Improvement in Quality of Life After Catheter Ablation for Paroxysmal Versus Long-standing Persistent Atrial Fibrillation: A Prospective Study With 3-Year Follow-up. <i>Journal of the American Heart Association</i> , 2014, 3, .	1.6	30

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37	Left Atrial Voltage during Atrial Fibrillation in Paroxysmal and Persistent Atrial Fibrillation Patients. PACE - Pacing and Clinical Electrophysiology, 2010, 33, 541-548.	0.5	27
38	A new approach to automated assessment of fractionation of endocardial electrograms during atrial fibrillation. Physiological Measurement, 2008, 29, 1371-1381.	1.2	26
39	Independent effect of atrial fibrillation on natriuretic peptide release. Clinical Research in Cardiology, 2019, 108, 142-149.	1.5	25
40	Heart Rate Turbulence After Atrial and Ventricular Premature Beats: Relation to Left Ventricular Function and Coupling Intervals. PACE - Pacing and Clinical Electrophysiology, 2003, 26, 401-405.	0.5	23
41	Effect of folic acid on fenofibrate-induced elevation of homocysteine and cysteine. American Heart Journal, 2003, 146, 110A-115A.	1.2	22
42	Relation between actual heart rate and autonomic effects of beta blockade in healthy men. American Journal of Cardiology, 2005, 95, 999-1002.	0.7	22
43	Catheter Ablation of Ventricular Tachycardia in the Presence of an Old Endocavitary Thrombus Guided by Intracardiac Echocardiography. PACE - Pacing and Clinical Electrophysiology, 2016, 39, 581-587.	0.5	22
44	Sinus rhythm restoration and arrhythmia noninducibility are major predictors of arrhythmia-free outcome after ablation for long-standing persistent atrial fibrillation: A prospective study. Heart Rhythm, 2015, 12, 687-698.	0.3	21
45	Differential effect of ganglionic plexi ablation in a patient with neurally mediated syncope and intermittent atrioventricular block. Europace, 2017, 19, euw100.	0.7	21
46	Resting and Exercise-Induced Left Atrial Hypertension in Patients With Atrial Fibrillation. JACC: Clinical Electrophysiology, 2017, 3, 461-469.	1.3	21
47	The tip of the muscle is a dominant location of ventricular ectopy originating from papillary muscles in the left ventricle. Journal of Cardiovascular Electrophysiology, 2018, 29, 64-70.	0.8	21
48	The variability of automated QRS duration measurement. Europace, 2017, 19, euw015.	0.7	20
49	Catheter ablation of atrial fibrillation in elderly population. Journal of Geriatric Cardiology, 2017, 14, 563-568.	0.2	18
50	Outcomes of ventricular tachycardia ablation in patients with structural heart disease: The impact of electrical storm. PLoS ONE, 2017, 12, e0171830.	1.1	18
51	Local electrogram delay recorded from left ventricular lead at implant predicts response to cardiac resynchronization therapy: Retrospective study with 1 year follow up. BMC Cardiovascular Disorders, 2012, 12, 34.	0.7	17
52	Cardiac resynchronization therapy guided by cardiac magnetic resonance imaging: A prospective, single-centre randomized study (CMR-CRT). International Journal of Cardiology, 2018, 270, 325-330.	0.8	16
53	Increased carotid intima-media thickness in patients with pheochromocytoma in comparison to essential hypertension. Journal of Human Hypertension, 2009, 23, 350-358.	1.0	15
54	Turbulence Slope After Atrial Premature Complexes Is an Independent Predictor of Mortality in Survivors of Acute Myocardial Infarction. Journal of Cardiovascular Electrophysiology, 2004, 15, 1350-1356.	0.8	14

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55	Impact of essential hypertension and primary aldosteronism on plasma brain natriuretic peptide concentration. <i>Blood Pressure</i> , 2006, 15, 302-307.	0.7	14
56	LONG-TERM EFFECT OF ADRENALECTOMY ON CARDIOVASCULAR REMODELING IN PATIENTS WITH PHEOCHROMOCYTOMA. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, jc.2016-2422.	1.8	14
57	Catheter Ablation of Idiopathic Ventricular Tachycardia Originating from Myocardial Extensions into a Noncoronary Aortic Cusp. <i>Journal of Cardiovascular Electrophysiology</i> , 2012, 23, 98-101.	0.8	13
58	High-Density Epicardial Activation Mapping to Optimize the Site for Video-Thoroscopic Left Ventricular Lead Implant. <i>Journal of Cardiovascular Electrophysiology</i> , 2014, 25, 882-888.	0.8	13
59	A Novel Biomarker-Based Approach for the Detection of Asymptomatic Brain Injury During Catheter Ablation of Atrial Fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2014, 25, 349-354.	0.8	13
60	Pulse wave analysis during supine rest may identify subjects with recurrent vasovagal syncope. <i>Clinical Science</i> , 2005, 109, 165-170.	1.8	12
61	Functional improvement after successful catheter ablation for long-standing persistent atrial fibrillation. <i>Europace</i> , 2017, 19, euw282.	0.7	12
62	Comparison of the effects of atorvastatin or fenofibrate on nonlipid biochemical risk factors and the LDL particle size in subjects with combined hyperlipidemia. <i>American Heart Journal</i> , 2002, 144, G1-G8.	1.2	11
63	Kinetics of Free Fatty Acids in Hypertriglyceridemia.. <i>Annals of the New York Academy of Sciences</i> , 1993, 683, 373-375.	1.8	9
64	Assessment of optimal right ventricular pacing site using invasive measurement of left ventricular systolic and diastolic function. <i>Europace</i> , 2013, 15, 1482-1490.	0.7	9
65	Cross-Spectral Analysis of Heart Rate and Blood Pressure Modulations. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2000, 23, 1425-1430.	0.5	8
66	Predictive Characteristics of Holter-Based Postinfarction Risk Stratifiers Appear Superior to Electrophysiological Testing. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2005, 28, S182-S186.	0.5	8
67	Catheter Ablation of Focal Atrial Tachycardia from the Aortic Cusp: The Role of Electroanatomic Mapping and Intracardiac Echocardiography. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2013, 36, e19-22.	0.5	8
68	Catheter Ablation of Ventricular Tachycardia as the First-Line Therapy in Patients With Coronary Artery Disease and Preserved Left Ventricular Systolic Function: Long-Term Results. <i>Journal of Cardiovascular Electrophysiology</i> , 2015, 26, 1105-1110.	0.8	8
69	Stability of the noninvasive baroreflex sensitivity assessment using cross-spectral analysis of heart rate and arterial blood pressure variabilities. <i>Clinical Cardiology</i> , 2000, 23, 201-204.	0.7	7
70	Nitroglycerin Induced Syncope Occurs in Subjects with Delayed Phase Shift of Baroreflex Action. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2002, 25, 828-832.	0.5	7
71	Temporal Pattern of Conduction Recurrence During Radiofrequency Ablation for Typical Atrial Flutter. <i>Journal of Cardiovascular Electrophysiology</i> , 2006, 17, 628-631.	0.8	7
72	Arrhythmogenic substrate at the interventricular septum as a target site for radiofrequency catheter ablation of recurrent ventricular tachycardia in left dominant arrhythmogenic cardiomyopathy. <i>BMC Cardiovascular Disorders</i> , 2015, 15, 18.	0.7	6

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73	A congenital diverticulum of the left ventricular apex manifested by stroke and recurrent ventricular tachycardia. <i>Cardiovascular Pathology</i> , 2017, 28, 3-6.	0.7	6
74	Impact of access route to the left ventricle on asymptomatic periprocedural brain injury: the results of a randomized trial in patients undergoing catheter ablation of ventricular tachycardia. <i>Europace</i> , 2021, 23, 610-615.	0.7	6
75	Adrenal Venous Sampling Could Be Omitted before Surgery in Patients with Conn's Adenoma Confirmed by Computed Tomography and Higher Normal Aldosterone Concentration after Saline Infusion Test. <i>Diagnostics</i> , 2022, 12, 1718.	1.3	6
76	Paradoxical Autonomic Modulation of Atrioventricular Nodal Conduction During Heart Rate Turbulence. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2003, 26, 440-443.	0.5	5
77	Ivabradine for inappropriate sinus tachycardia: another piece of evidence. <i>Europace</i> , 2013, 15, 9-10.	0.7	5
78	Idiopathic left ventricular outflow tract ectopy: a single focus with extremely divergent breakouts. <i>BMC Cardiovascular Disorders</i> , 2014, 14, 161.	0.7	5
79	Bipolar radiofrequency catheter ablation for refractory perimitral flutter: a case report. <i>BMC Cardiovascular Disorders</i> , 2015, 15, 139.	0.7	5
80	Multivariate Analysis of Correspondence between Left Atrial Volumes Assessed by Echocardiography and 3-Dimensional Electroanatomic Mapping in Patients with Atrial Fibrillation. <i>PLoS ONE</i> , 2016, 11, e0152553.	1.1	4
81	Heart rate and early progression of cardiac allograft vasculopathy: A prospective study using highly automated 3D optical coherence tomography analysis. <i>Clinical Transplantation</i> , 2020, 34, e13773.	0.8	4
82	Simple electrophysiological predictor of QRS change induced by cardiac resynchronization therapy: A novel marker of complete left bundle branch block. <i>Heart Rhythm</i> , 2021, 18, 1717-1723.	0.3	4
83	Analysis of costs of treatment of patients with atrial fibrillation in the Czech Republic. <i>Cor Et Vasa</i> , 2008, 50, 23-27.	0.1	4
84	Insulin Resistance and Compensatory Insulin Secretion in Middle-Aged Persons with Hypertriglyceridemia. <i>Annals of the New York Academy of Sciences</i> , 1993, 683, 295-301.	1.8	3
85	QT-Interval Turbulence Induced by Atrial and Ventricular Extrastimuli in Patients with Ventricular Tachycardia. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2005, 28, S187-S192.	0.5	3
86	Heart Rate Turbulence after Ventricular Pacing Trains During Programmed Ventricular Stimulation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2007, 30, S170-3.	0.5	3
87	Impact of Atrial Fibrillation on Natriuretic Peptides. <i>JACC: Clinical Electrophysiology</i> , 2018, 4, 153-154.	1.3	3
88	Cardioneuroablation in a patient with atrioventricular nodal re-entrant tachycardia. <i>Europace</i> , 2018, 20, 2044-2044.	0.7	3
89	Early and Delayed Alteration of Atrial Electrograms Around Single Radiofrequency Ablation Lesion. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 190.	1.1	3
90	Gender differences in major vascular complications of catheter ablation for atrial fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2021, 32, 647-656.	0.8	3

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91	Effect of Complex Weight-Reducing Interventions on Rhythm Control in Obese Individuals with Atrial Fibrillation Following Catheter Ablation: A Study Protocol. <i>Advances in Therapy</i> , 2021, 38, 2007-2016.	1.3	3
92	Feasibility of In-Vivo Simulation of Acute Hemodynamics in Human Atrial Fibrillation. <i>PLoS ONE</i> , 2016, 11, e0165241.	1.1	3
93	Heart Rate Turbulence after Atrial Premature Complexes Depends on Coupling Interval and Atrioventricular Nodal Conduction. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2007, 30, S174-7.	0.5	2
94	The relationship between right ventricular pacing voltage and QRS complex duration. <i>Physiological Measurement</i> , 2009, 30, 517-527.	1.2	2
95	Statistical Bias in Seeking the Left Ventricular Endocardial Sweet Spot for Cardiac Resynchronization Therapy. <i>Journal of the American College of Cardiology</i> , 2011, 57, 1000.	1.2	2
96	Poor relationship between left atrial diameter and volume in patients with atrial fibrillation. <i>Cor Et Vasa</i> , 2012, 54, e386-e392.	0.1	2
97	Slow pathway ablation for typical atrioventricular nodal re-entrant tachycardia significantly alters the autonomic modulation of atrioventricular conduction. <i>Clinical Autonomic Research</i> , 2013, 23, 289-295.	1.4	2
98	Can severe essential hypertension raise BNP levels resulting in a misdiagnosis of heart failure?. <i>Cor Et Vasa</i> , 2006, 48, 48-54.	0.1	2
99	Can Baroreflex Sensitivity be Assessed in a Fully Non-invasive Way?. <i>Journal of Interventional Cardiac Electrophysiology</i> , 1999, 3, 294-296.	0.9	1
100	Heart Rate Turbulence in Pacing Studies. , 0, , 194-202.		1
101	Physiological Mechanisms of Atrially Induced Heart Rate Turbulence. <i>Journal of the American College of Cardiology</i> , 2005, 46, 1113-1114.	1.2	1
102	Quality of life and costs of conventional therapy in patients treated by catheter ablation for atrial fibrillation. <i>Cor Et Vasa</i> , 2012, 54, e421-e427.	0.1	1
103	Should Anterior Mitral Block Be Preferred in Persistent Atrial Fibrillation Patients Requiring Nonpulmonary Substrate Ablation?. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2014, 37, 398-398.	0.5	1
104	Combination of left ventricular reverse remodeling and brain natriuretic peptide level at one year after cardiac resynchronization therapy predicts long-term clinical outcome. <i>PLoS ONE</i> , 2019, 14, e0219966.	1.1	1
105	KomorovĀ© arytmie. <i>Cor Et Vasa</i> , 2011, 53, 53-77.	0.1	1
106	Comparison of two modes of long-term ECG monitoring to assess the efficacy of catheter ablation for paroxysmal atrial fibrillation. <i>Biomedical Papers of the Medical Faculty of the University Palacky&amp;#x0301;, Olomouc, Czechoslovakia</i> , 2019, 163, 54-60.	0.2	1
107	Acute efficacy of contiguous versus temporally discontinuous point-by-point radiofrequency pulmonary vein isolation in patients with paroxysmal atrial fibrillation: a randomized study. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2022, 64, 661-667.	0.6	1
108	PO-654-07 HEART RATE ACCELERATION DURING CARDIONEUROABLATION IS A WEAK PREDICTOR OF SIGNIFICANTLY REDUCED PARASYMPATHETIC MODULATION OF SINUS NODE. <i>Heart Rhythm</i> , 2022, 19, S260-S261.	0.3	1

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109	A testing, evaluating and control system for identifying and stabilizing physiological parameters. , 0, , .		0
110	Lipid lowering and the assessment of endothelial function. Cardiovascular Research, 2002, 54, 191-192.	1.8	0
111	Do we need assessment of nonpulmonary vein triggers for successful ablation of atrial fibrillation?. Future Cardiology, 2013, 9, 471-474.	0.5	0
112	A New Paradigm in Cardiac Resynchronization Therapy?. American Journal of Cardiology, 2015, 115, 1781.	0.7	0
113	To the Editorâ€” Clinical benefit of contact forceâ€”sensing catheters in the ablation of atrial fibrillation: Meta-analysis to dig for truth or bias?. Heart Rhythm, 2016, 13, e1.	0.3	0
114	Value of Assessment of Exercise Hemodynamics in Patients With Atrial Fibrillation. Journal of Cardiac Failure, 2017, 23, 656.	0.7	0
115	QTc Shortening Effect of Ganglionated Plexi Ablation: A Miraculous Phenomenon?. Journal of Cardiovascular Electrophysiology, 2021, 32, 2011.	0.8	0
116	B-PO03-112 ACUTE CHANGE IN PARASYMPATHETIC CARDIAC INNERVATION AFTER PULMONARY VEIN ISOLATION BY PULSE-FIELD AND RADIOFREQUENCY ENERGY. Heart Rhythm, 2021, 18, S234.	0.3	0
117	PO-684-04 ANATOMICALLY-GUIDED CARDIONEUROABLATION FOR RECURRENT NEURALLY MEDIATED SYNCOPE. Heart Rhythm, 2022, 19, S373-S374.	0.3	0