

# Johannes Jan Struijk

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

2,294  
citations

236612

25  
h-index

233125

45  
g-index

80  
all docs

80  
docs citations

80  
times ranked

3116  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autonomic alterations and cardiac changes in epilepsy. <i>Epilepsia</i> , 2010, 51, 725-737.	2.6	235
2	P-wave duration and the risk of atrial fibrillation: Results from the Copenhagen ECG Study. <i>Heart Rhythm</i> , 2015, 12, 1887-1895.	0.3	152
3	The prognostic value of the Tpeak-Tend interval in patients undergoing primary percutaneous coronary intervention for ST-segment elevation myocardial infarction. <i>Journal of Electrocardiology</i> , 2009, 42, 555-560.	0.4	124
4	J-Shaped Association Between QTc Interval Duration and the Risk of Atrial Fibrillation. <i>Journal of the American College of Cardiology</i> , 2013, 61, 2557-2564.	1.2	112
5	Risk of atrial fibrillation as a function of the electrocardiographic PR interval: Results from the Copenhagen ECG Study. <i>Heart Rhythm</i> , 2013, 10, 1249-1256.	0.3	110
6	Risk prediction of cardiovascular death based on the QTc interval: evaluating age and gender differences in a large primary care population. <i>European Heart Journal</i> , 2014, 35, 1335-1344.	1.0	98
7	Perception threshold and electrode position for spinal cord stimulation. <i>Pain</i> , 1994, 59, 55-63.	2.0	92
8	Acoustic Features for the Identification of Coronary Artery Disease. <i>IEEE Transactions on Biomedical Engineering</i> , 2015, 62, 2611-2619.	2.5	76
9	Closed-loop control of the heart rate by electrical stimulation of the vagus nerve. <i>Medical and Biological Engineering and Computing</i> , 2006, 44, 161-169.	1.6	66
10	A comparative study of three techniques for diameter selective fiber activation in the vagal nerve: anodal block, depolarizing prepulses and slowly rising pulses. <i>Journal of Neural Engineering</i> , 2008, 5, 275-286.	1.8	63
11	Focality Assessment in Transcranial Magnetic Stimulation With Double and Cone Coils. <i>Journal of Clinical Neurophysiology</i> , 2006, 23, 463-472.	0.9	62
12	Reference values of electrocardiogram repolarization variables in a healthy population. <i>Journal of Electrocardiology</i> , 2010, 43, 31-39.	0.4	61
13	New descriptors of T-wave morphology are independent of heart rate. <i>Journal of Electrocardiology</i> , 2008, 41, 557-561.	0.4	54
14	TpeakTend interval in long QT syndrome. <i>Journal of Electrocardiology</i> , 2008, 41, 603-608.	0.4	53
15	Identifying Drug-Induced Repolarization Abnormalities from Distinct ECG Patterns in Congenital Long QT Syndrome. <i>Drug Safety</i> , 2009, 32, 599-611.	1.4	53
16	Signal strength versus cuff length in nerve cuff electrode recordings. <i>IEEE Transactions on Biomedical Engineering</i> , 2002, 49, 1045-1050.	2.5	44
17	Diagnosing coronary artery disease by sound analysis from coronary stenosis induced turbulent blood flow: diagnostic performance in patients with stable angina pectoris. <i>International Journal of Cardiovascular Imaging</i> , 2016, 32, 235-245.	0.7	38
18	Sertindole causes distinct electrocardiographic T-wave morphology changes. <i>European Neuropsychopharmacology</i> , 2009, 19, 702-707.	0.3	37

#	ARTICLE	IF	CITATIONS
19	Quantitative Analysis of T-wave Morphology Increases Confidence in Drug-Induced Cardiac Repolarization Abnormalities: Evidence From the Investigational K <sub>r</sub> Inhibitor Lu 35138. <i>Journal of Clinical Pharmacology</i> , 2009, 49, 1331-1342.	1.0	36
20	Electrocardiographic Tpeak-Tend interval and risk of cardiovascular morbidity and mortality: Results from the Copenhagen ECG study. <i>Heart Rhythm</i> , 2016, 13, 915-924.	0.3	34
21	Effects of Bilastine on T-wave Morphology and the QTc Interval. <i>Clinical Drug Investigation</i> , 2012, 32, 339-351.	1.1	33
22	Early seizure detection in rats based on vagus nerve activity. <i>Medical and Biological Engineering and Computing</i> , 2011, 49, 143-151.	1.6	32
23	Diagnostic performance of an acoustic-based system for coronary artery disease risk stratification. <i>Heart</i> , 2018, 104, 928-935.	1.2	30
24	Artefact reduction with alternative cuff configurations. <i>IEEE Transactions on Biomedical Engineering</i> , 2003, 50, 1160-1166.	2.5	29
25	Electrocardiographic PR Interval Duration and Cardiovascular Risk: Results From the Copenhagen ECG Study. <i>Canadian Journal of Cardiology</i> , 2017, 33, 674-681.	0.8	29
26	Current Density Imaging and Electrically Induced Skin Burns Under Surface Electrodes. <i>IEEE Transactions on Biomedical Engineering</i> , 2005, 52, 2024-2031.	2.5	25
27	Tip of the Tongue Selectivity and Motor Learning in the Palatal Area. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 174-182.	2.5	22
28	Analysis of Spinal Cord Stimulation and Design of Epidural Electrodes by Computer Modeling. <i>Neuromodulation</i> , 1998, 1, 14-18.	0.4	21
29	Transverse Versus Longitudinal Tripolar Configuration for Selective Stimulation With Multipolar Cuff Electrodes. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 913-919.	2.5	21
30	Association Between Heart Rate at Rest and Incident Atrial Fibrillation (from the Copenhagen) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	0.7	21
31	A Respiratory Marker Derived From Left Vagus Nerve Signals Recorded With Implantable Cuff Electrodes. <i>Neuromodulation</i> , 2018, 21, 269-275.	0.4	21
32	Multigrid Solution of the Potential Field in Modeling Electrical Nerve Stimulation. <i>Journal of Biomedical Informatics</i> , 1998, 31, 348-362.	0.7	19
33	Different Pulse Shapes to Obtain Small Fiber Selective Activation by Anodal Blocking— A Simulation Study. <i>IEEE Transactions on Biomedical Engineering</i> , 2004, 51, 698-706.	2.5	19
34	Electrocardiographic Precordial ST-segment Deviations and the Risk of Cardiovascular Death: Results From the Copenhagen ECG Study. <i>Journal of the American Heart Association</i> , 2014, 3, e000549.	1.6	19
35	A neural blood pressure marker for bioelectronic medicines for treatment of hypertension. <i>Biosensors and Bioelectronics</i> , 2017, 98, 1-6.	5.3	19
36	QT Measurement and Heart Rate Correction during Hypoglycemia: Is There a Bias?. <i>Cardiology Research and Practice</i> , 2010, 2010, 1-6.	0.5	16

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37	Stenosis Detection Algorithm for Screening of Arteriovenous Fistulae. IFMBE Proceedings, 2011, , 241-244.	0.2	16
38	The ST Compass: spatial visualization of ST-segment deviations and estimation of the ST injury vector. Journal of Electrocardiology, 2009, 42, 181-189.	0.4	15
39	Cardiac effects of sertindole and quetiapine: Analysis of ECGs from a randomized double-blind study in patients with schizophrenia. European Neuropsychopharmacology, 2015, 25, 303-311.	0.3	15
40	An Intraneural Electrode for Bioelectronic Medicines for Treatment of Hypertension. Neuromodulation, 2018, 21, 777-786.	0.4	15
41	The T-peakâ€T-end Interval as a Marker of Repolarization Abnormality: A Comparison with the QT Interval for Five Different Drugs. Clinical Drug Investigation, 2015, 35, 717-724.	1.1	14
42	<i>In Vitro</i> Magnetic Stimulation of Pig Phrenic Nerve With Transverse and Longitudinal Induced Electric Fields: Analysis of the Stimulation Site. IEEE Transactions on Biomedical Engineering, 2009, 56, 500-512.	2.5	13
43	The ST injury vector: electrocardiogram-based estimation of location and extent of myocardial ischemia. Journal of Electrocardiology, 2010, 43, 121-131.	0.4	13
44	Noise and the detection of coronary artery disease with an electronic stethoscope. , 2010, , .		13
45	Effect of Nalmefene 20 and 80 mg on the Corrected QT Interval and T-Wave Morphology. Clinical Drug Investigation, 2011, 31, 799-811.	1.1	13
46	Skin contact forces extracted from human nerve signals-a possible feedback signal for FES-aided control of standing. IEEE Transactions on Biomedical Engineering, 2003, 50, 1320-1325.	2.5	12
47	Comparison of Mono-, Bi-, and Tripolar Configurations for Stimulation and Recording With an Interfascicular Interface. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2014, 22, 88-95.	2.7	12
48	Major rapid weight loss induces changes in cardiac repolarization. Journal of Electrocardiology, 2016, 49, 467-472.	0.4	12
49	Long QT syndrome genotyping by electrocardiography: fact, fiction, or something in between?. Journal of Electrocardiology, 2006, 39, S119-S122.	0.4	11
50	Long Pacing Pulses Reduce Phrenic Nerve Stimulation in Left Ventricular Pacing. Journal of Cardiovascular Electrophysiology, 2014, 25, 485-490.	0.8	11
51	Ictal and peri-ictal changes in cervical vagus nerve activity associated with cardiac effects. Medical and Biological Engineering and Computing, 2011, 49, 1025-1033.	1.6	10
52	Fascicle-Selectivity of an Intraneural Stimulation Electrode in the Rabbit Sciatic Nerve. IEEE Transactions on Biomedical Engineering, 2012, 59, 192-197.	2.5	10
53	Early Detection of Epileptic Seizures in Pigs Based on Vagus Nerve Activity. Biosystems and Biorobotics, 2013, , 43-47.	0.2	9
54	Size and separability of the calcaneal and the medial and lateral plantar nerves in the distal tibial nerve. Anatomical Science International, 2010, 85, 13-22.	0.5	8

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55	The Effect of Spinal Cord Stimulation on Seizure Susceptibility in Rats. <i>Neuromodulation</i> , 2011, 14, 111-116.	0.4	8
56	Associations between common ECG abnormalities and out-of-hospital cardiac arrest. <i>Open Heart</i> , 2019, 6, e000905.	0.9	8
57	Advanced heart sound analysis as a new prognostic marker in stable coronary artery disease. <i>European Heart Journal Digital Health</i> , 2021, 2, 279-289.	0.7	8
58	Changes in vagus nerve activity associated with ictal tachycardia in pigs. <i>Epilepsy Research</i> , 2016, 128, 52-60.	0.8	7
59	Model-based evaluation of the short-circuited tripolar cuff configuration. <i>Medical and Biological Engineering and Computing</i> , 2006, 44, 404-413.	1.6	6
60	The Single Nerve Fiber Action Potential and the Filter Bank—A Modeling Approach. <i>IEEE Transactions on Biomedical Engineering</i> , 2008, 55, 372-375.	2.5	6
61	Assessing common classification methods for the identification of abnormal repolarization using indicators of T-wave morphology and QT interval. <i>Computers in Biology and Medicine</i> , 2012, 42, 485-491.	3.9	6
62	Differential effects of thioridazine enantiomers on action potential duration in rabbit papillary muscle. <i>European Journal of Pharmacology</i> , 2015, 747, 7-12.	1.7	6
63	A History of Drug-Induced Torsades de Pointes Is Associated With T-wave Morphological Abnormalities. <i>Clinical Pharmacology and Therapeutics</i> , 2018, 103, 1100-1106.	2.3	5
64	The influence of surface properties of plasma-etched polydimethylsiloxane (PDMS) on cell growth and morphology. , 2010, 2010, 3804-7.		4
65	Correlations of First and Second Heart Sounds with Age, Sex, and Body Mass Index. , 0, , .		4
66	Character Activation Time Prediction Model for Tongue-Typing: Adaptation of Fitts's Law. , 2009, 2009, 551-4.		3
67	Minimal T-wave representation and its use in the assessment of drug arrhythmogenicity. , 2017, 22, e12413.		3
68	Minimizing a Wireless Passive LC-Tank Sensor to Monitor Bladder Pressure: A Simulation Study. <i>Journal of Medical and Biological Engineering</i> , 2017, 37, 800-809.	1.0	3
69	Neural markers and implantable bioelectronic systems for the treatment of hypertension. <i>Bioelectronics in Medicine</i> , 2018, 1, 139-150.	2.0	3
70	Stimulation Waveforms for the Selective Activation of Baroreceptor Nerve Fibers in the Cervical Vagus Nerve. <i>Biosystems and Biorobotics</i> , 2017, , 995-999.	0.2	3
71	Spectral analysis of heart sounds associated with coronary artery disease. <i>Physiological Measurement</i> , 2021, 42, 105013.	1.2	3
72	Response to commentary by Dr. Parisi. <i>Epilepsia</i> , 2010, 51, 1644-1644.	2.6	2

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73	Long-Term Prognostic Value of Less-Stringent Electrocardiographic Q Waves and Fourth Universal Definition of Myocardial Infarction Q Waves. <i>American Journal of Medicine</i> , 2020, 133, 582-589.e7.	0.6	2
74	Performance of an ST dipole model for description of ST deviations in myocardial ischemia. <i>Journal of Electrocardiology</i> , 2009, 42, 462-468.	0.4	1
75	Autoregressive Whitening Filter for Detection of Coronary Artery Disease Based on Phonocardiography. , 0, , .		1
76	Coronary Artery Disease Detected by Low Frequency Heart Sounds. <i>Cardiovascular Engineering and Technology</i> , 2022, , 1.	0.7	1
77	Computer-aided auscultation to diagnose Renal Artery Stenosis. , 2010, 2010, 4578-81.		0
78	Model-based analysis of the effects of thioridazine enantiomers on the rabbit papillary action potential. , 2015, , .		0