

Urban Wiklund

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

3,731
citations

147726

31
h-index

138417

58
g-index

105
all docs

105
docs citations

105
times ranked

4005
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Vitamin D, liver-related biomarkers, and distribution of fat and lean mass in young patients with Fontan circulation. <i>Cardiology in the Young</i> , 2022, 32, 861-868. | 0.4 | 2 |
| 2 | ICD harm and benefit: risk scores applied to the Swedish ICD-treated LQTS population. <i>Scandinavian Cardiovascular Journal</i> , 2022, 56, 48-55. | 0.4 | 0 |
| 3 | Density Encoding Enables Resource-Efficient Randomly Connected Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 3777-3783. | 7.2 | 19 |
| 4 | Refeeding syndrome: multimodal monitoring and clinical manifestation of an internal severe neurotrauma. <i>Journal of Clinical Monitoring and Computing</i> , 2021, 35, 569-576. | 0.7 | 1 |
| 5 | Heart Rate Variability for Classification of Alert Versus Sleep Deprived Drivers in Real Road Driving Conditions. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021, 22, 3316-3325. | 4.7 | 39 |
| 6 | Altered hormonal and autonomic nerve responses to hypo- and hyperglycaemia are found in overweight and insulin-resistant individuals and may contribute to the development of type 2 diabetes. <i>Diabetologia</i> , 2021, 64, 641-655. | 2.9 | 16 |
| 7 | Effects of Gastric Bypass Surgery on the Brain: Simultaneous Assessment of Glucose Uptake, Blood Flow, Neural Activity, and Cognitive Function During Normo- and Hypoglycemia. <i>Diabetes</i> , 2021, 70, 1265-1277. | 0.3 | 18 |
| 8 | Changes in Heart Rate and Heart Rate Variability During Surgical Stages to Completed Fontan Circulation. <i>Pediatric Cardiology</i> , 2021, 42, 1162-1169. | 0.6 | 0 |
| 9 | Time Course of Metabolic, Neuroendocrine, and Adipose Effects During 2 Years of Follow-up After Gastric Bypass in Patients With Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e4049-e4061. | 1.8 | 8 |
| 10 | Aberrant autonomic pattern during the post-exercise recovery phase in long QT syndrome patients. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2021, 236, 102897. | 1.4 | 2 |
| 11 | How stable is lung function in patients with stable chronic obstructive pulmonary disease when monitored using a telehealth system? A longitudinal and home-based study. <i>BMC Medical Informatics and Decision Making</i> , 2020, 20, 87. | 1.5 | 3 |
| 12 | Sleep apnea in men is associated with altered lipid metabolism, glucose tolerance, insulin sensitivity, and body fat percentage. <i>Endocrine</i> , 2020, 70, 48-57. | 1.1 | 12 |
| 13 | A Comprehensive Study of Complexity and Performance of Automatic Detection of Atrial Fibrillation: Classification of Long ECG Recordings Based on the PhysioNet Computing in Cardiology Challenge 2017. <i>Biomedical Physics and Engineering Express</i> , 2020, 6, 025010. | 0.6 | 7 |
| 14 | Rapid changes in neuroendocrine regulation may contribute to reversal of type 2 diabetes after gastric bypass surgery. <i>Endocrine</i> , 2020, 67, 344-353. | 1.1 | 20 |
| 15 | Pacemaker treatment after Fontan surgery—A Swedish national study. <i>Congenital Heart Disease</i> , 2019, 14, 582-589. | 0.0 | 8 |
| 16 | A Hyperdimensional Computing Framework for Analysis of Cardiorespiratory Synchronization During Paced Deep Breathing. <i>IEEE Access</i> , 2019, 7, 34403-34415. | 2.6 | 5 |
| 17 | Fluid restriction negatively affects energy intake and growth in very low birthweight infants with haemodynamically significant patent ductus arteriosus. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2019, 108, 1985-1992. | 0.7 | 18 |
| 18 | Sinus node dysfunction in patients with Fontan circulation: could heart rate variability be a predictor for pacemaker implantation?. <i>Pediatric Cardiology</i> , 2019, 40, 685-693. | 0.6 | 9 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Integer Self-Organizing Maps for Digital Hardware. , 2019, , . | | 18 |
| 20 | Heart Rate Variability for Driver Sleepiness Classification in Real Road Driving Conditions. , 2019, 2019, 6537-6540. | | 6 |
| 21 | Trajectory clustering of road traffic in urban environments using incremental machine learning in combination with hyperdimensional computing. , 2019, , . | | 20 |
| 22 | Effects of GLP-1 on counter-regulatory responses during hypoglycemia after GBP surgery. European Journal of Endocrinology, 2019, 181, 161-171. | 1.9 | 12 |
| 23 | Robust Methods for Automated Selection of Cardiac Signals After Blind Source Separation. IEEE Transactions on Biomedical Engineering, 2018, 65, 2248-2258. | 2.5 | 6 |
| 24 | Normal scores of deep breathing tests: beware of dysrhythmia in transthyretin amyloidosis. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2018, 25, 54-61. | 1.4 | 9 |
| 25 | Cytokine Disturbances in Coronary Artery Ectasia Do Not Support Atherosclerosis Pathogenesis. International Journal of Molecular Sciences, 2018, 19, 260. | 1.8 | 14 |
| 26 | Longitudinal, home-based study of lung function, saturation and disease-related symptoms in COPD. , 2018, , . | | 1 |
| 27 | Diabetes and male sex are key risk factor correlates of the extent of coronary artery calcification: A Euro-CCAD study. Journal of Diabetes and Its Complications, 2017, 31, 1096-1102. | 1.2 | 8 |
| 28 | Alterations in heart rate variability during everyday life are linked to insulin resistance. A role of dominating sympathetic over parasympathetic nerve activity?. Cardiovascular Diabetology, 2016, 15, 91. | 2.7 | 25 |
| 29 | Vehicle classification using road side sensors and feature-free data smashing approach. , 2016, , . | | 7 |
| 30 | Gender and age effects on risk factor-based prediction of coronary artery calcium in symptomatic patients: A Euro-CCAD study. Atherosclerosis, 2016, 252, 32-39. | 0.4 | 27 |
| 31 | Gastric Bypass Reduces Symptoms and Hormonal Responses in Hypoglycemia. Diabetes, 2016, 65, 2667-2675. | 0.3 | 61 |
| 32 | The coronary calcium score is a more accurate predictor of significant coronary stenosis than conventional risk factors in symptomatic patients: Euro-CCAD study. International Journal of Cardiology, 2016, 207, 13-19. | 0.8 | 43 |
| 33 | Can echocardiography and ECG discriminate hereditary transthyretin V30M amyloidosis from hypertrophic cardiomyopathy?. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 2015, 22, 163-170. | 1.4 | 11 |
| 34 | High dose and long-term statin therapy accelerate coronary artery calcification. International Journal of Cardiology, 2015, 184, 581-586. | 0.8 | 141 |
| 35 | Successful novice's training in obtaining accurate assessment of carotid IMT using an automated ultrasound system. European Heart Journal Cardiovascular Imaging, 2014, 15, 637-642. | 0.5 | 13 |
| 36 | Directed coherence analysis in patients with severe autonomic dysfunction. , 2014, , . | | 0 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Handheld ECG in analysis of arrhythmia and heart rate variability in children with Fontan circulation. <i>Journal of Electrocardiology</i> , 2014, 47, 374-382. | 0.4 | 6 |
| 38 | Restorative effects of visits to urban and forest environments in patients with exhaustion disorder. <i>Urban Forestry and Urban Greening</i> , 2014, 13, 344-354. | 2.3 | 88 |
| 39 | Autonomic nerve system responses for normal and slow rewarmers after hand cold provocation: effects of long-term cold climate training. <i>International Archives of Occupational and Environmental Health</i> , 2013, 86, 357-365. | 1.1 | 12 |
| 40 | The natural history of coronary calcification: A meta-analysis from St Francis and EBEAT trials. <i>International Journal of Cardiology</i> , 2013, 168, 3944-3948. | 0.8 | 9 |
| 41 | Design of a garment-based sensing system for breathing monitoring. <i>Textile Research Journal</i> , 2013, 83, 499-509. | 1.1 | 44 |
| 42 | Fully automated on-screen carotid intima-media thickness measurement: A screening tool for subclinical atherosclerosis. <i>Journal of Clinical Ultrasound</i> , 2013, 41, 333-339. | 0.4 | 29 |
| 43 | Touch massage: a pilot study of a complex intervention. <i>Nursing in Critical Care</i> , 2013, 18, 269-277. | 1.1 | 25 |
| 44 | New insights into the clinical evaluation of hereditary transthyretin amyloidosis patients: a single center's experience. <i>Degenerative Neurological and Neuromuscular Disease</i> , 2012, 2, 93. | 0.7 | 1 |
| 45 | Gastric emptying in hereditary transthyretin amyloidosis: the impact of autonomic neuropathy. <i>Neurogastroenterology and Motility</i> , 2012, 24, 1111. | 1.6 | 25 |
| 46 | Arrhythmia – a pitfall in tests of cardiac autonomic function after liver transplantation for familial amyloidotic polyneuropathy: a long-term follow-up of Swedish patients. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2012, 19, 81-86. | 1.4 | 9 |
| 47 | Left ventricular dyssynchrony is associated with reduced heart rate variability in familial amyloidotic polyneuropathy. <i>International Journal of Cardiology</i> , 2012, 155, 273-278. | 0.8 | 8 |
| 48 | Automatic filtering of outliers in RR intervals before analysis of heart rate variability in Holter recordings: a comparison with carefully edited data. <i>BioMedical Engineering OnLine</i> , 2012, 11, 2. | 1.3 | 41 |
| 49 | Sound and vibration: effects on infants' heart rate and heart rate variability during neonatal transport. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2012, 101, 148-154. | 0.7 | 43 |
| 50 | Heart Rate Variability in Children With Fontan Circulation: Lateral Tunnel and Extracardiac Conduit. <i>Pediatric Cardiology</i> , 2012, 33, 307-315. | 0.6 | 19 |
| 51 | Comparison of quantitative sensory testing and heart rate variability in Swedish Val30Met ATTR. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2011, 18, 183-190. | 1.4 | 5 |
| 52 | Blood pressure overshoot after tilt reversal in patients with familial amyloidotic polyneuropathy. <i>Hypertension Research</i> , 2011, 34, 133-138. | 1.5 | 6 |
| 53 | Dysregulation of subcutaneous adipose tissue blood flow in overweight postmenopausal women. <i>Menopause</i> , 2010, 17, 365-371. | 0.8 | 17 |
| 54 | Cardiac autonomic function does not improve after liver transplantation for familial amyloidotic polyneuropathy. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2010, 156, 124-130. | 1.4 | 15 |

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| 55 | Physiological responses to touch massage in healthy volunteers. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2010, 158, 105-110. | 1.4 | 73 |
| 56 | Heart complications in familial transthyretin amyloidosis: impact of age and gender. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2010, 17, 63-68. | 1.4 | 72 |
| 57 | Nondipolar Content of T Wave Derived from a Myocardial Source Simulation with Increased Repolarization Inhomogeneity. <i>Annals of Noninvasive Electrocardiology</i> , 2009, 14, 185-192. | 0.5 | 4 |
| 58 | Influence of energy drinks and alcohol on post-exercise heart rate recovery and heart rate variability. <i>Clinical Physiology and Functional Imaging</i> , 2009, 29, 74-80. | 0.5 | 45 |
| 59 | Can Analysis of Heart Rate Variability Predict Arrhythmia in Children with Fontan Circulation?. <i>Pediatric Cardiology</i> , 2008, 29, 50-55. | 0.6 | 13 |
| 60 | Abnormal Heart Rate Variability and Subtle Atrial Arrhythmia in Patients with Familial Amyloidotic Polyneuropathy. <i>Annals of Noninvasive Electrocardiology</i> , 2008, 13, 249-256. | 0.5 | 33 |
| 61 | Outcome of heart rate variability and ventricular late potentials after liver transplantation for familial amyloidotic polyneuropathy. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2008, 15, 187-195. | 1.4 | 15 |
| 62 | Increased Risk of Stroke in Patients With Coronary Artery Disease and Sleep Apnea. <i>Circulation</i> , 2008, 118, 955-960. | 1.6 | 232 |
| 63 | Wavelet Coherence Detects Non-autonomic Heart Rate Fluctuations in Familial Amyloidotic Polyneuropathy. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007, 2007, 4660-2. | 0.5 | 4 |
| 64 | Changes in heart rate variability among RF plastic sealer operators. <i>Bioelectromagnetics</i> , 2007, 28, 76-79. | 0.9 | 10 |
| 65 | Can heart rate variability become a screening tool for anesthesia-related hypotension?. <i>Acta Anaesthesiologica Scandinavica</i> , 2007, 51, 1289-1291. | 0.7 | 10 |
| 66 | Acute effects on heart rate variability when exposed to hand transmitted vibration and noise. <i>International Archives of Occupational and Environmental Health</i> , 2007, 81, 193-199. | 1.1 | 42 |
| 67 | Adaptive method for assessment of cerebrospinal fluid outflow conductance. <i>Medical and Biological Engineering and Computing</i> , 2007, 45, 337-343. | 1.6 | 6 |
| 68 | Adaptive spatio-temporal filtering of disturbed ECGs: a multi-channel approach to heartbeat detection in smart clothing. <i>Medical and Biological Engineering and Computing</i> , 2007, 45, 515-523. | 1.6 | 25 |
| 69 | Ventricular late potentials in familial amyloidotic polyneuropathy. <i>Journal of Electrocardiology</i> , 2006, 39, 57-62. | 0.4 | 12 |
| 70 | Serial assessment of variability in heart rate in children with the Fontan circulation. <i>Cardiology in the Young</i> , 2005, 15, 498-503. | 0.4 | 4 |
| 71 | Heart rate variability during sedentary work and sleep in normal and sleep-deprived states. <i>Clinical Physiology and Functional Imaging</i> , 2005, 25, 51-57. | 0.5 | 30 |
| 72 | Parasympathetic dysfunction in hypertrophic cardiomyopathy assessed by heart rate variability: comparison between short-term and 24-h measurements. <i>Clinical Physiology and Functional Imaging</i> , 2005, 25, 90-99. | 0.5 | 21 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Dysregulation of the Autonomic Nervous System Can Be a Link between Visceral Adiposity and Insulin Resistance. <i>Obesity</i> , 2005, 13, 717-728. | 4.0 | 86 |
| 74 | Electromagnetic field exposure and health among RF plastic sealer operators. <i>Bioelectromagnetics</i> , 2004, 25, 5-15. | 0.9 | 18 |
| 75 | Liver Transplantation Does Not Prevent the Development of Life-Threatening Arrhythmia in Familial Amyloidotic Polyneuropathy, Portuguese-Type (ATTR Val30Met) Patients. <i>Transplantation</i> , 2004, 78, 112-116. | 0.5 | 76 |
| 76 | Classification of neck movement patterns related to whiplash-associated disorders using neural networks. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2003, 7, 412-418. | 3.6 | 24 |
| 77 | Chronic whiplash associated disorders and neck movement measurements: an instantaneous helical axis approach. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2003, 7, 274-282. | 3.6 | 40 |
| 78 | Does the autonomic nervous system play a role in the development of insulin resistance? A study on heart rate variability in first-degree relatives of Type 2 diabetes patients and control subjects. <i>Diabetic Medicine</i> , 2003, 20, 399-405. | 1.2 | 90 |
| 79 | EMLA® cream and oral glucose for immunization pain in 3-month-old infants. <i>Pain</i> , 2003, 104, 381-388. | 2.0 | 44 |
| 80 | Holter ECG monitoring in patients with perceived electrical hypersensitivity. <i>International Journal of Psychophysiology</i> , 2003, 49, 227-235. | 0.5 | 32 |
| 81 | Wavelet decomposition of cardiovascular signals for baroreceptor function tests in pigs. <i>IEEE Transactions on Biomedical Engineering</i> , 2002, 49, 651-661. | 2.5 | 28 |
| 82 | Sleep-disordered Breathing and Coronary Artery Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001, 164, 1910-1913. | 2.5 | 364 |
| 83 | Short-term overtraining: effects on performance, circulatory responses, and heart rate variability. <i>Medicine and Science in Sports and Exercise</i> , 2000, 32, 1480-1484. | 0.2 | 121 |
| 84 | Cardiac autonomic imbalance in an overtrained athlete. <i>Medicine and Science in Sports and Exercise</i> , 2000, 32, 1531-1533. | 0.2 | 85 |
| 85 | Pre- and post-season heart rate variability in adolescent cross-country skiers. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2000, 10, 298-303. | 1.3 | 44 |
| 86 | Endoscopic Transthoracic Sympathicotomy Affects the Autonomic Modulation of Heart Rate in Patients with Palmar Hyperhidrosis. <i>Acta Neurochirurgica</i> , 2000, 142, 691-696. | 0.9 | 23 |
| 87 | Sleep-Disordered Breathing and Myocardial Ischemia in Patients With Coronary Artery Disease. <i>Chest</i> , 2000, 117, 1597-1602. | 0.4 | 144 |
| 88 | Assessment of the effect of EMLA® during venipuncture in the newborn by analysis of heart rate variability. <i>Pain</i> , 2000, 86, 247-254. | 2.0 | 53 |
| 89 | Cardiac Rhythm in Patients with Sleep-disordered Breathing and Coronary Artery Disease. <i>Scandinavian Cardiovascular Journal</i> , 2000, 34, 272-276. | 0.4 | 13 |
| 90 | Heel lancing in term new-born infants: an evaluation of pain by frequency domain analysis of heart rate variability. <i>Pain</i> , 1999, 80, 143-148. | 2.0 | 75 |

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| 91 | Spectral Analysis of Heart Rate Variability in Patients with Irritable Bowel Syndrome. Scandinavian Journal of Gastroenterology, 1998, 33, 572-576. | 0.6 | 69 |
| 92 | Assessment of acute pain in preterm infants by evaluation of facial expression and frequency domain analysis of heart rate variability. Early Human Development, 1997, 48, 131-142. | 0.8 | 72 |
| 93 | Impact of liver transplantation on autonomic neuropathy in familial amyloidotic polyneuropathy: an evaluation by spectral analysis of heart rate variability. Journal of Internal Medicine, 1997, 242, 225-229. | 2.7 | 26 |
| 94 | IMPACT OF AUTONOMIC NEUROPATHY ON CIRCULATORY INSTABILITY DURING LIVER TRANSPLANTATION FOR FAMILIAL AMYLOIDOTIC POLYNEUROPATHY1. Transplantation, 1997, 63, 675-679. | 0.5 | 40 |
| 95 | Sleep-disordered breathing in women: occurrence and association with coronary artery disease. American Journal of Medicine, 1996, 101, 251-256. | 0.6 | 146 |
| 96 | Sleep-Disordered Breathing in Men With Coronary Artery Disease. Chest, 1996, 109, 659-663. | 0.4 | 280 |
| 97 | Assessment of autonomic nerve function in acute intermittent porphyria; a study based on spectral analysis of heart rate variability. Journal of Internal Medicine, 1996, 240, 73-79. | 2.7 | 23 |
| 98 | Assessment of autonomic nerve function in familial amyloidotic polyneuropathy: a clinical study based on spectral analysis of heart rate variability. Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis, 1994, 1, 240-246. | 1.4 | 16 |
| 99 | Computer-assisted evaluation of dipyridamole thallium-201 SPECT in patients with aortic stenosis. Journal of Nuclear Medicine, 1994, 35, 983-8. | 2.8 | 10 |
| 100 | Heart rate variation: what are we measuring?. Clinical Physiology, 1993, 13, 71-79. | 0.7 | 13 |
| 101 | Detection of Atrial Fibrillation From Short ECGs: Minimalistic Complexity Analysis for Feature-Based Classifiers. , 0, , . | | 2 |
| 102 | Sparse Coding of Cardiac Signals for Automated Component Selection after Blind Source Separation. , 0, , . | | 0 |
| 103 | Vector-Based Analysis of the Similarity Between Breathing and Heart Rate During Paced Deep Breathing. , 0, , . | | 1 |