

Mathias Baumert

List of Publications by Year in descending order

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Version: 2024-02-01

208
papers

4,636
citations

109321

35
h-index

138484

58
g-index

214
all docs

214
docs citations

214
times ranked

4481
citing authors

#	ARTICLE	IF	CITATIONS
1	Methods derived from nonlinear dynamics for analysing heart rate variability. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 277-296.	3.4	435
2	QT interval variability in body surface ECG: measurement, physiological basis, and clinical value: position statement and consensus guidance endorsed by the European Heart Rhythm Association jointly with the ESC Working Group on Cardiac Cellular Electrophysiology. <i>Europace</i> , 2016, 18, 925-944.	1.7	186
3	Forecasting of Life Threatening Arrhythmias Using the Compression Entropy of Heart Rate. <i>Methods of Information in Medicine</i> , 2004, 43, 202-206.	1.2	163
4	Intra- and Inter-subject Variability in EEG-Based Sensorimotor Brain Computer Interface: A Review. <i>Frontiers in Computational Neuroscience</i> , 2019, 13, 87.	2.1	132
5	Progress in Brain Computer Interface: Challenges and Opportunities. <i>Frontiers in Systems Neuroscience</i> , 2021, 15, 578875.	2.5	128
6	Short-term heart rate complexity is reduced in patients with type 1 diabetes mellitus. <i>Clinical Neurophysiology</i> , 2008, 119, 1071-1081.	1.5	109
7	Bipolar Electrogram Shannon Entropy at Sites of Rotational Activation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2013, 6, 48-57.	4.8	107
8	Joint symbolic dynamic analysis of beat-to-beat interactions of heart rate and systolic blood pressure in normal pregnancy. <i>Medical and Biological Engineering and Computing</i> , 2002, 40, 241-245.	2.8	106
9	Heart Rate Variability, Blood Pressure Variability, and Baroreflex Sensitivity in Overtrained Athletes. <i>Clinical Journal of Sport Medicine</i> , 2006, 16, 412-417.	1.8	103
10	Sleep Spindle Activity and Cognitive Performance in Healthy Children. <i>Sleep</i> , 2013, 36, 237-243.	1.1	94
11	Relation between QT interval variability and cardiac sympathetic activity in hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H1412-H1417.	3.2	80
12	Short-term heart rate variability and cardiac norepinephrine spillover in patients with depression and panic disorder. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H674-H679.	3.2	77
13	Respiratory pattern in awake rats: Effects of motor activity and of alerting stimuli. <i>Physiology and Behavior</i> , 2010, 101, 22-31.	2.1	72
14	The effect of orthostatic stress on multiscale entropy of heart rate and blood pressure. <i>Physiological Measurement</i> , 2011, 32, 1425-1437.	2.1	69
15	QT interval variability and cardiac norepinephrine spillover in patients with depression and panic disorder. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 295, H962-H968.	3.2	68
16	Reduced short-term complexity of heart rate and blood pressure dynamics in patients with diabetes mellitus type 1: multiscale entropy analysis. <i>Physiological Measurement</i> , 2008, 29, 817-828.	2.1	66
17	Composition of nocturnal hypoxaemic burden and its prognostic value for cardiovascular mortality in older community-dwelling men. <i>European Heart Journal</i> , 2020, 41, 533-541.	2.2	61
18	Cardiorespiratory Phase-Coupling Is Reduced in Patients with Obstructive Sleep Apnea. <i>PLoS ONE</i> , 2010, 5, e10602.	2.5	58

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19	Assessment and interpretation of sleep disordered breathing severity in cardiology: Clinical implications and perspectives. <i>International Journal of Cardiology</i> , 2018, 271, 281-288.	1.7	57
20	Baroreflex sensitivity, heart rate, and blood pressure variability in hypertensive pregnancy disorders. <i>Journal of Human Hypertension</i> , 2004, 18, 707-712.	2.2	56
21	High-Density Mapping of Ventricular Scar. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014, 7, 90-98.	4.8	56
22	Short- and Long-Term Joint Symbolic Dynamics of Heart Rate and Blood Pressure in Dilated Cardiomyopathy. <i>IEEE Transactions on Biomedical Engineering</i> , 2005, 52, 2112-2115.	4.2	54
23	Multiscale entropy and detrended fluctuation analysis of QT interval and heart rate variability during normal pregnancy. <i>Computers in Biology and Medicine</i> , 2012, 42, 347-352.	7.0	54
24	The effect of orthostasis on recurrence quantification analysis of heart rate and blood pressure dynamics. <i>Physiological Measurement</i> , 2009, 30, 29-41.	2.1	53
25	Simultaneous Characterization of Sympathetic and Cardiac Arms of the Baroreflex through Sequence Techniques during Incremental Head-Up Tilt. <i>Frontiers in Physiology</i> , 2016, 7, 438.	2.8	51
26	Sleep arousal burden is associated with long-term all-cause and cardiovascular mortality in 8001 community-dwelling older men and women. <i>European Heart Journal</i> , 2021, 42, 2088-2099.	2.2	51
27	Automatic A-Phase Detection of Cyclic Alternating Patterns in Sleep Using Dynamic Temporal Information. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2019, 27, 1695-1703.	4.9	49
28	Conventional QT Variability Measurement vs. Template Matching Techniques: Comparison of Performance Using Simulated and Real ECG. <i>PLoS ONE</i> , 2012, 7, e41920.	2.5	47
29	Quantification of Cardiorespiratory Interactions Based on Joint Symbolic Dynamics. <i>Annals of Biomedical Engineering</i> , 2011, 39, 2604-2614.	2.5	45
30	Longitudinal Analysis of Heart Rate Variability in Chronic Hypertensive Pregnancy. <i>Hypertension Research</i> , 2005, 28, 113-118.	2.7	44
31	Two-Dimensional Warping for One-Dimensional Signals—Conceptual Framework and Application to ECG Processing. <i>IEEE Transactions on Signal Processing</i> , 2014, 62, 5577-5588.	5.3	44
32	Calibrated variability of muscle sympathetic nerve activity during graded head-up tilt in humans and its link with noradrenaline data and cardiovascular rhythms. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R1134-R1143.	1.8	43
33	Variability of QT interval duration in obstructive sleep apnea: an indicator of disease severity. <i>Sleep</i> , 2008, 31, 959-66.	1.1	37
34	Activation of 5-HT _{1A} receptors attenuates tachycardia induced by restraint stress in rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 294, R132-R141.	1.8	36
35	Baroreflex sensitivity is reduced in obese normotensive children and adolescents. <i>Canadian Journal of Physiology and Pharmacology</i> , 2009, 87, 565-571.	1.4	36
36	Diagnostic accuracy of overnight oximetry for the diagnosis of sleep-disordered breathing in atrial fibrillation patients. <i>International Journal of Cardiology</i> , 2018, 272, 155-161.	1.7	34

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37	Multiscale time irreversibility of heart rate and blood pressure variability during orthostasis. <i>Physiological Measurement</i> , 2012, 33, 1747-1756.	2.1	33
38	Decoupling of QT interval variability from heart rate variability with ageing. <i>Physiological Measurement</i> , 2013, 34, 1435-1448.	2.1	33
39	A six-month exercise intervention in subclinical diabetic heart disease: Effects on exercise capacity, autonomic and myocardial function. <i>Metabolism: Clinical and Experimental</i> , 2014, 63, 1104-1114.	3.4	33
40	Proprioceptive Feedback Facilitates Motor Imagery-Related Operant Learning of Sensorimotor $\hat{\mu}^2$ -Band Modulation. <i>Frontiers in Neuroscience</i> , 2017, 11, 60.	2.8	33
41	Relation between Beat-to-Beat QT Interval Variability and T-wave Amplitude in Healthy Subjects. <i>Annals of Noninvasive Electrocardiology</i> , 2012, 17, 195-203.	1.1	32
42	Nightly sleep apnea severity in patients with atrial fibrillation: Potential applications of long-term sleep apnea monitoring. <i>IJC Heart and Vasculature</i> , 2019, 24, 100424.	1.1	32
43	Forecasting of life threatening arrhythmias using the compression entropy of heart rate. <i>Methods of Information in Medicine</i> , 2004, 43, 202-6.	1.2	30
44	ESTIMATING THE COMPLEXITY OF HEART RATE FLUCTUATIONS – AN APPROACH BASED ON COMPRESSION ENTROPY. <i>Fluctuation and Noise Letters</i> , 2005, 05, L557-L563.	1.5	29
45	Longitudinal changes in QT interval variability and rate adaptation in pregnancies with normal and abnormal uterine perfusion. <i>Hypertension Research</i> , 2010, 33, 555-560.	2.7	28
46	Baroreflex analysis in diabetes mellitus: linear and nonlinear approaches. <i>Medical and Biological Engineering and Computing</i> , 2011, 49, 279-288.	2.8	28
47	Enhancing dynamical signatures of complex systems through symbolic computation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140099.	3.4	27
48	Beat-to-Beat Vectorcardiographic Analysis of Ventricular Depolarization and Repolarization in Myocardial Infarction. <i>PLoS ONE</i> , 2012, 7, e49489.	2.5	26
49	Quantitative-Electrogram-Based Methods for Guiding Catheter Ablation in Atrial Fibrillation. <i>Proceedings of the IEEE</i> , 2016, 104, 416-431.	21.3	26
50	Beat-to-beat QT interval variability and T-wave amplitude in patients with myocardial infarction. <i>Physiological Measurement</i> , 2013, 34, 1075-1083.	2.1	25
51	Compression entropy contributes to risk stratification in patients with cardiomyopathy / Kompressionsentropie zur verbesserten Risikostratifizierung bei Patienten mit DCM. <i>Biomedizinische Technik</i> , 2006, 51, 77-82.	0.8	24
52	Arousal in obstructive sleep apnoea patients is associated with ECG RR and QT interval shortening and PR interval lengthening. <i>Journal of Sleep Research</i> , 2009, 18, 188-195.	3.2	24
53	Autonomic Cardiovascular Control in Pregnancies With Abnormal Uterine Perfusion. <i>American Journal of Hypertension</i> , 2006, 19, 306-312.	2.0	23
54	Heartbeat Evoked Potentials during Sleep and Daytime Behavior in Children with Sleep-disordered Breathing. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 1149-1157.	5.6	23

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55	Characterization of cyclic alternating pattern during sleep in older men and women using large population studies. <i>Sleep</i> , 2020, 43, .	1.1	23
56	Altered cardio-respiratory response to spontaneous cortical arousals in children with upper airway obstruction. <i>Sleep Medicine</i> , 2011, 12, 230-238.	1.6	21
57	Respiratory timing and variability during sleep in children with sleep-disordered breathing. <i>Journal of Applied Physiology</i> , 2012, 113, 1635-1642.	2.5	21
58	Mean nocturnal respiratory rate predicts cardiovascular and all-cause mortality in community-dwelling older men and women. <i>European Respiratory Journal</i> , 2019, 54, 1802175.	6.7	21
59	Autonomic modulation of repolarization instability in patients with heart failure prone to ventricular tachycardia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013, 305, H1181-H1188.	3.2	20
60	QT Interval Variability in Type 2 Diabetic Patients with Cardiac Sympathetic Dysinnervation Assessed by ¹²³ I-Metaiodobenzylguanidine Scintigraphy. <i>Journal of Cardiovascular Electrophysiology</i> , 2013, 24, 305-313.	1.7	20
61	Entropy Analysis of RR and QT Interval Variability during Orthostatic and Mental Stress in Healthy Subjects. <i>Entropy</i> , 2014, 16, 6384-6393.	2.2	20
62	Relation between QT interval variability and muscle sympathetic nerve activity in normal subjects. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 309, H1218-H1224.	3.2	20
63	Role of respiration in the cardiovascular response to orthostatic and mental stress. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 314, R761-R769.	1.8	20
64	Cyclic alternating pattern in children with obstructive sleep apnea and its relationship with adenotonsillectomy, behavior, cognition, and quality of life. <i>Sleep</i> , 2021, 44, .	1.1	20
65	Cardiorespiratory response to spontaneous cortical arousals during stage 2 and rapid eye movement sleep in healthy children. <i>Journal of Sleep Research</i> , 2010, 19, 415-424.	3.2	19
66	Cardiac repolarization variability in patients with postural tachycardia syndrome during graded head-up tilt. <i>Clinical Neurophysiology</i> , 2011, 122, 405-409.	1.5	19
67	Effects of ECG sampling rate on QT interval variability measurement. <i>Biomedical Signal Processing and Control</i> , 2016, 25, 159-164.	5.7	19
68	Characterization of the Asymmetry of the Cardiac and Sympathetic Arms of the Baroreflex From Spontaneous Variability During Incremental Head-Up Tilt. <i>Frontiers in Physiology</i> , 2019, 10, 342.	2.8	19
69	Delayed brachial artery dilation response and increased resting blood flow velocity in young children with mild sleep-disordered breathing. <i>Sleep Medicine</i> , 2015, 16, 1451-1456.	1.6	18
70	A network physiology approach to the assessment of the link between sinoatrial and ventricular cardiac controls. <i>Physiological Measurement</i> , 2017, 38, 1472-1489.	2.1	18
71	The association between different features of sleep-disordered breathing and blood pressure: A cross-sectional study. <i>Journal of Clinical Hypertension</i> , 2018, 20, 575-581.	2.0	18
72	Low Prognostic Value of Novel Nocturnal Metrics in Patients With OSA and High Cardiovascular Event Risk. <i>Chest</i> , 2020, 158, 2621-2631.	0.8	18

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73	Non-REM sleep instability in children with restless sleep disorder. <i>Sleep Medicine</i> , 2020, 75, 276-281.	1.6	18
74	Scaling Characteristics of Heart Rate Time Series Before the Onset of Ventricular Tachycardia. <i>Annals of Biomedical Engineering</i> , 2007, 35, 201-207.	2.5	17
75	Variability of QT Interval Duration in Obstructive Sleep Apnea: An Indicator of Disease Severity. <i>Sleep</i> , 2008, , .	1.1	17
76	Blockade of 5-HT _{2A} receptors suppresses hyperthermic but not cardiovascular responses to psychosocial stress in rats. <i>Neuroscience</i> , 2009, 159, 1185-1191.	2.3	17
77	Joint symbolic dynamics for the assessment of cardiovascular and cardiorespiratory interactions. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140097.	3.4	17
78	Movement Distribution: A New Measure of Sleep Fragmentation in Children with Upper Airway Obstruction. <i>Sleep</i> , 2014, 37, 2025-2034.	1.1	16
79	Assessing the strength of cardiac and sympathetic baroreflex controls via transfer entropy during orthostatic challenge. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160290.	3.4	16
80	Alternans of Blood Pressure and Heart Rate in Dilated Cardiomyopathy. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2002, 25, 1307-1314.	1.2	15
81	Multiscale Compression Entropy of Microvascular Blood Flow Signals: Comparison of Results from Laser Speckle Contrast and Laser Doppler Flowmetry Data in Healthy Subjects. <i>Entropy</i> , 2014, 16, 5777-5795.	2.2	15
82	Respiratory Cycle-Related Electroencephalographic Changes during Sleep in Healthy Children and in Children with Sleep Disordered Breathing. <i>Sleep</i> , 2014, 37, 1353-1361.	1.1	15
83	The effect of adenotonsillectomy for childhood sleep apnoea on cardiorespiratory control. <i>ERJ Open Research</i> , 2016, 2, 00003-2016.	2.6	15
84	Cerebral Blood Flow and Cognitive Performance in Postural Tachycardia Syndrome: Insights from Sustained Cognitive Stress Test. <i>Journal of the American Heart Association</i> , 2020, 9, e017861.	3.7	15
85	Changes in heart rate variability of athletes during a training camp. <i>Biomedizinische Technik</i> , 2006, 51, 201-204.	0.8	14
86	Nonlinear PD _{2i} heart rate complexity algorithm detects autonomic neuropathy in patients with type 1 diabetes mellitus. <i>Clinical Neurophysiology</i> , 2011, 122, 1457-1462.	1.5	14
87	Advanced Poincaré plot analysis differentiates between hypertensive pregnancy disorders. <i>Physiological Measurement</i> , 2011, 32, 1611-1622.	2.1	14
88	T-wave morphology can distinguish healthy controls from LQTS patients. <i>Physiological Measurement</i> , 2016, 37, 1456-1473.	2.1	14
89	Characteristics of ectopic triggers associated with paroxysmal and persistent atrial fibrillation: Evidence for a changing role. <i>Heart Rhythm</i> , 2012, 9, 1367-1374.	0.7	13
90	Joint symbolic analyses of heart rate, blood pressure, and respiratory dynamics. <i>Journal of Electrocardiology</i> , 2013, 46, 569-573.	0.9	13

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91	T Wave Amplitude Correction of QT Interval Variability for Improved Repolarization Lability Measurement. <i>Frontiers in Physiology</i> , 2016, 7, 216.	2.8	13
92	The Inconsistent Nature of Heart Rate Variability During Sleep in Normal Children and Adolescents. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 19.	2.4	13
93	Erkennung, Vorhersage und Behandlung von Vorhofflimmern mithilfe künstlicher Intelligenz. <i>Herzschrittmachertherapie Und Elektrophysiologie</i> , 2022, 33, 34-41.	0.8	13
94	Effect of respiration on heartbeat-evoked potentials during sleep in children with sleep-disordered breathing. <i>Sleep Medicine</i> , 2015, 16, 665-667.	1.6	12
95	QT variability improves risk stratification in patients with dilated cardiomyopathy. <i>Physiological Measurement</i> , 2015, 36, 699-713.	2.1	12
96	Increased thoracoabdominal asynchrony during breathing periods free of discretely scored obstructive events in children with upper airway obstruction. <i>Sleep and Breathing</i> , 2015, 19, 65-71.	1.7	12
97	Biomedical Signal Processing: From a Conceptual Framework to Clinical Applications [Scanning the Issue]. <i>Proceedings of the IEEE</i> , 2016, 104, 220-222.	21.3	12
98	Effect of Loss of Heart Rate Variability on T-Wave Heterogeneity and QT Variability in Heart Failure Patients: Implications in Ventricular Arrhythmogenesis. <i>Cardiovascular Engineering and Technology</i> , 2017, 8, 219-228.	1.6	12
99	Relationship between Vascular Resistance and Sympathetic Nerve Fiber Density in Arterial Vessels in Children With Sleep Disordered Breathing. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	12
100	An evaluation of multiple algorithms for the measurement of the heart rate corrected JTpeak interval. <i>Journal of Electrocardiology</i> , 2017, 50, 769-775.	0.9	12
101	Wavelet Entropy-Based Inter-subject Associative Cortical Source Localization for Sensorimotor BCI. <i>Frontiers in Neuroinformatics</i> , 2019, 13, 47.	2.5	12
102	Nocturnal ventricular repolarization lability predicts cardiovascular mortality in the Sleep Heart Health Study. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H495-H505.	3.2	12
103	Scaling graphs of heart rate time series in athletes demonstrating the VLF, LF and HF regions. <i>Physiological Measurement</i> , 2006, 27, N35-N39.	2.1	11
104	Heritability of ECG Biomarkers in the Netherlands Twin Registry Measured from Holter ECGs. <i>Frontiers in Physiology</i> , 2016, 7, 154.	2.8	11
105	Hidden Markov Models Based on Symbolic Dynamics for Statistical Modeling of Cardiovascular Control in Hypertensive Pregnancy Disorders. <i>IEEE Transactions on Biomedical Engineering</i> , 2006, 53, 140-143.	4.2	10
106	Electro-mechanical characteristics of myocardial infarction border zones and ventricular arrhythmic risk: novel insights from grid-tagged cardiac magnetic resonance imaging. <i>European Radiology</i> , 2012, 22, 1651-1658.	4.5	10
107	Cardiovascular variability before and after delivery: recovery from arterial stiffness in women with preeclampsia 4â€%days post partum. <i>Hypertension in Pregnancy</i> , 2014, 33, 1-14.	1.1	10
108	Iterative two-dimensional signal warpingâ€”Towards a generalized approach for adaption of one-dimensional signals. <i>Biomedical Signal Processing and Control</i> , 2018, 43, 311-319.	5.7	10

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109	Effect of adenotonsillectomy for childhood obstructive sleep apnea on nocturnal heart rate patterns. <i>Sleep</i> , 2018, 41, .	1.1	10
110	LONG-TERM CORRELATIONS AND FRACTAL DIMENSION OF BEAT-TO-BEAT BLOOD PRESSURE DYNAMICS. <i>Fluctuation and Noise Letters</i> , 2005, 05, L549-L555.	1.5	9
111	Adenotonsillectomy for childhood obstructive sleep apnoea reduces thoraco-abdominal asynchrony but spontaneous apnoea-hypopnoea index normalisation does not. <i>European Respiratory Journal</i> , 2017, 49, 1601177.	6.7	9
112	Ascending aortic blood flow velocity is increased in children with primary snoring/mild sleep-disordered breathing and associated with an increase in CD8 + $\hat{A}T$ cells expressing TNF $\hat{\pm}$ and IFN $\hat{\gamma}$. <i>Heart and Vessels</i> , 2018, 33, 537-548.	1.2	9
113	Improved A-phase Detection of Cyclic Alternating Pattern Using Deep Learning. , 2019, 2019, 1842-1845.		9
114	Plasma Exchange Therapy in Postural Tachycardia Syndrome: A Novel Long-Term Approach?. <i>American Journal of Medicine</i> , 2020, 133, e157-e159.	1.5	9
115	Sleep apnea and atrial fibrillation: challenges in clinical and translational research. <i>Expert Review of Cardiovascular Therapy</i> , 2022, 20, 101-109.	1.5	9
116	Analysis of blood pressure waveform: a new method for the classification of hypertensive pregnancy disorders. <i>Journal of Human Hypertension</i> , 2004, 18, 135-137.	2.2	8
117	Multivariate and multidimensional analysis of cardiovascular oscillations in patients with heart failure. <i>Biomedizinische Technik</i> , 2006, 51, 163-166.	0.8	8
118	Altered Nocturnal Cardiovascular Control in Children With Sleep-Disordered Breathing. <i>Sleep</i> , 2017, 40, .	1.1	8
119	Baroreflex Coupling Assessed by Cross-Compression Entropy. <i>Frontiers in Physiology</i> , 2017, 8, 282.	2.8	8
120	Reaction Time Predicts Brain-Computer Interface Aptitude. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2018, 6, 1-11.	3.7	8
121	Overnight heart rate variability and next day cortisol response during simulated on-call conditions. <i>Psychoneuroendocrinology</i> , 2019, 109, 104406.	2.7	8
122	Repolarization variability independent of heart rate during sympathetic activation elicited by head-up tilt. <i>Medical and Biological Engineering and Computing</i> , 2019, 57, 1753-1762.	2.8	8
123	Nocturnal hypoxemic burden during positive airway pressure treatment across different central sleep apnea etiologies. <i>Sleep Medicine</i> , 2021, 79, 62-70.	1.6	8
124	Changes of blood pressure and heart rate variability precede a grand mal seizure in a pregnant woman. <i>Journal of Perinatal Medicine</i> , 2004, 32, 538-40.	1.4	7
125	Altered interactions of heart rate and blood pressure during normal and abnormal pregnancy. , 2010, 2010, 1695-8.		7
126	Measurement of QT variability by two-dimensional warping. , 2014, , .		7

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127	Flow-mediated dilatation, using time course data, shows maturation of the brachial artery from young children to mid-adolescents. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 240-245.	1.9	7
128	Brain fog in postural tachycardia syndrome: An objective cerebral blood flow and neurocognitive analysis. <i>Journal of Arrhythmia</i> , 2020, 36, 549-552.	1.2	7
129	Causality of cortical and cardiovascular activity during cyclic alternating pattern in non-rapid eye movement sleep. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021, 379, 20200248.	3.4	7
130	Changes in RR and QT intervals after spontaneous and respiratory arousal in patients with obstructive sleep apnea. , 2007, , .		6
131	Time delay correction of the synchrogram for optimized detection of cardiorespiratory coordination. <i>Medical and Biological Engineering and Computing</i> , 2011, 49, 1249-1259.	2.8	6
132	Investigation of the trade-off between time window length, classifier update rate and classification accuracy for restorative brain-computer interfaces. , 2013, 2013, 1567-70.		6
133	Investigating the impact of feedback update interval on the efficacy of restorative brain-computer interfaces. <i>Royal Society Open Science</i> , 2017, 4, 170660.	2.4	6
134	How to assess nocturnal hypoxaemic burden in Cardiology?. <i>European Heart Journal</i> , 2019, 40, 2988-2988.	2.2	6
135	Beat-to-beat spatial and temporal analysis for QRS-T morphology. , 2012, 2012, 4193-5.		5
136	Ondansetron prevents changes in respiratory pattern provoked by LiCl: A new approach for studying pro-emetic states in rodents?. <i>Neuroscience</i> , 2013, 246, 342-350.	2.3	5
137	Heart rate complexity and cardiac sympathetic dysinnervation in patients with type 2 diabetes mellitus. , 2013, 2013, 5570-3.		5
138	Compression based entropy estimation of heart rate variability on multiple time scales. , 2013, 2013, 5037-40.		5
139	Does feedback modality affect performance of brain computer interfaces?. , 2015, , .		5
140	Increased beat-to-beat T-wave variability in myocardial infarction patients. <i>Biomedizinische Technik</i> , 2018, 63, 123-130.	0.8	5
141	Augmented Oscillations in QT Interval Duration Predict Mortality Post Myocardial Infarction Independent of Heart Rate. <i>Frontiers in Physiology</i> , 2020, 11, 578173.	2.8	5
142	Effects of vagal blockade on the complexity of heart rate variability in rats. , 2007, , 26-29.		5
143	The Reproducibility of Bio-Acoustic Features is Associated With Sample Duration, Speech Task, and Gender. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2022, 30, 167-175.	4.9	5
144	Joint Symbolic Dynamic Analysis of Cardiorespiratory Interactions in Patients on Weaning Trials. , 2005, 2005, 4576-9.		4

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145	Thoraco-abdominal asynchrony in children during quiet sleep using Hilbert transform. , 2012, 2012, 3448-51.		4
146	Improved ECG pre-processing for beat-to-beat QT interval variability measurement. , 2013, 2013, 2563-6.		4
147	Slowed atrial and atrioventricular conduction and depressed <scp>HRV</scp> in a murine model of hypertrophic cardiomyopathy. Clinical and Experimental Pharmacology and Physiology, 2016, 43, 95-101.	1.9	4
148	Pulse wave amplitude and heart period variability in children with upper airway obstruction. Sleep Medicine, 2018, 50, 55-62.	1.6	4
149	Cardiorespiratory Coordination in Rats is Influenced by Autonomic Blockade. IFMBE Proceedings, 2009, , 456-459.	0.3	4
150	Joint symbolic dynamics as a model-free approach to study interdependence in cardio-respiratory time series. , 2012, 2012, 3680-3.		3
151	Respiratory sinus arrhythmia during sleep in children with upper airway obstruction. Journal of Sleep Research, 2013, 22, 463-470.	3.2	3
152	Track C. Biomedizinische Technik, 2014, 59, s144-262.	0.8	3
153	VVâ€² Alternans Triplets on Nearâ€Field ICD Intracardiac Electrogram is Associated with Mortality. PACE - Pacing and Clinical Electrophysiology, 2015, 38, 547-557.	1.2	3
154	Keep your rhythm during rotational night work shifts!. European Heart Journal, 2021, 42, 4189-4191.	2.2	3
155	Analysis of interactions between heart rate and blood pressure in chronic hypertensive pregnancy. , 0, , .		2
156	Isoflurane increases cardiorespiratory coordination in rats. , 2008, , .		2
157	Impact of movement on cardiorespiratory coordination in conscious rats. , 2010, 2010, 1938-41.		2
158	Effect of spontaneous arousals on cardio-respiratory interaction in healthy children. , 2012, 2012, 45-8.		2
159	Increased variability in respiratory parameters heralds obstructive events in children with sleep disordered breathing. , 2013, 2013, 2024-7.		2
160	Prediction of motor imagery based brain computer interface performance using a reaction time test. , 2015, 2015, 2880-3.		2
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