

Dirk Cysarz

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

1,594
citations

331259

21
h-index

315357

38
g-index

74
all docs

74
docs citations

74
times ranked

1503
citing authors

#	ARTICLE	IF	CITATIONS
1	Temporal asymmetries of short-term heart period variability are linked to autonomic regulation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008, 295, R550-R557.	0.9	182
2	Cardiorespiratory synchronization during Zen meditation. <i>European Journal of Applied Physiology</i> , 2005, 95, 88-95.	1.2	130
3	Influence of paced maternal breathing on fetal-maternal heart rate coordination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13661-13666.	3.3	102
4	Entropies of short binary sequences in heart period dynamics. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000, 278, H2163-H2172.	1.5	80
5	Oscillations of heart rate and respiration synchronize during poetry recitation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004, 287, H579-H587.	1.5	80
6	Comparison of Respiratory Rates Derived from Heart Rate Variability, ECG Amplitude, and Nasal/Oral Airflow. <i>Annals of Biomedical Engineering</i> , 2008, 36, 2085-2094.	1.3	73
7	Quantifying heart rate dynamics using different approaches of symbolic dynamics. <i>European Physical Journal: Special Topics</i> , 2013, 222, 487-500.	1.2	60
8	Is there evidence of fetal-maternal heart rate synchronization?. <i>BMC Physiology</i> , 2003, 3, 2.	3.6	56
9	Heart rate variability in the individual fetus. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2013, 178, 24-28.	1.4	48
10	A quantitative comparison of different methods to detect cardiorespiratory coordination during night-time sleep. <i>BioMedical Engineering OnLine</i> , 2004, 3, 44.	1.3	46
11	Regular heartbeat dynamics are associated with cardiac health. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R368-R372.	0.9	45
12	Monitoring fetal maturation-objectives, techniques and indices of autonomic function. <i>Physiological Measurement</i> , 2017, 38, R61-R88.	1.2	45
13	Effects of speech therapy with poetry on heart rate rhythmicity and cardiorespiratory coordination. <i>International Journal of Cardiology</i> , 2002, 84, 77-88.	0.8	43
14	Adaptations to iron deficiency: cardiac functional responsiveness to norepinephrine, arterial remodeling, and the effect of beta-blockade on cardiac hypertrophy. <i>BMC Physiology</i> , 2002, 2, 1.	3.6	42
15	Unexpected Course of Nonlinear Cardiac Interbeat Interval Dynamics during Childhood and Adolescence. <i>PLoS ONE</i> , 2011, 6, e19400.	1.1	34
16	Aerobic Exercise during Pregnancy and Presence of Fetal-Maternal Heart Rate Synchronization. <i>PLoS ONE</i> , 2014, 9, e106036.	1.1	27
17	Enhancing dynamical signatures of complex systems through symbolic computation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2015, 373, 20140099.	1.6	27
18	Stress-associated changes in salivary microRNAs can be detected in response to the Trier Social Stress Test: An exploratory study. <i>Scientific Reports</i> , 2018, 8, 7112.	1.6	26

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19	Binary symbolic dynamics classifies heart rate variability patterns linked to autonomic modulations. <i>Computers in Biology and Medicine</i> , 2012, 42, 313-318.	3.9	24
20	Quantification of fetal heart rate regularity using symbolic dynamics. <i>Chaos</i> , 2007, 17, 015119.	1.0	23
21	DETECTING CARDIORESPIRATORY COORDINATION BY RESPIRATORY PATTERN ANALYSIS OF HEART PERIOD DYNAMICS – THE MUSICAL RHYTHM APPROACH. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2000, 10, 2349-2360.	0.7	22
22	Increase in regularity of fetal heart rate variability with age. <i>Biomedizinische Technik</i> , 2006, 51, 244-247.	0.9	21
23	Effects of complementary eurythmy therapy on heart rate variability. <i>Complementary Therapies in Medicine</i> , 2009, 17, 161-167.	1.3	21
24	Symbolic transformations of heart rate variability preserve information about cardiac autonomic control. <i>Physiological Measurement</i> , 2015, 36, 643-657.	1.2	20
25	Heart rate variability categories of fluctuation amplitude and complexity: diagnostic markers of fetal development and its disturbances. <i>Physiological Measurement</i> , 2019, 40, 064002.	1.2	20
26	Musical rhythms in heart period dynamics: a cross-cultural and interdisciplinary approach to cardiac rhythms. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999, 277, H1762-H1770.	1.5	19
27	The bradykinin BK2 receptor mediates angiotensin II receptor type 2 stimulated rat duodenal mucosal alkaline secretion. <i>BMC Physiology</i> , 2003, 3, 1.	3.6	18
28	Comparison of two different approaches in the detection of intermittent cardiorespiratory coordination during night sleep. <i>BMC Physiology</i> , 2002, 2, 18.	3.6	16
29	Day-to-night time differences in the relationship between cardiorespiratory coordination and heart rate variability. <i>Physiological Measurement</i> , 2008, 29, 1281-1291.	1.2	15
30	Integrative medical education: Educational strategies and preliminary evaluation of the Integrated Curriculum for Anthroposophic Medicine (ICURAM). <i>Patient Education and Counseling</i> , 2012, 89, 447-454.	1.0	15
31	Adaption of cardio-respiratory balance during day-rest compared to deep sleep – An indicator for quality of life?. <i>Psychiatry Research</i> , 2014, 219, 638-644.	1.7	15
32	Complexity analyses show two distinct types of nonlinear dynamics in short heart period variability recordings. <i>Frontiers in Physiology</i> , 2015, 6, 71.	1.3	15
33	Spatial effects of radiation trapping in an optically thick atomic vapor excited by a laser beam. <i>Physical Review A</i> , 1996, 53, 2169-2172.	1.0	14
34	Eurythmy therapy increases specific oscillations of heart rate variability. <i>BMC Complementary and Alternative Medicine</i> , 2015, 15, 167.	3.7	14
35	Irregularities and nonlinearities in fetal heart period time series in the course of pregnancy. <i>Herzschrittmachertherapie Und Elektrophysiologie</i> , 2000, 11, 179-183.	0.3	13
36	Impact of Colored Light on Cardiorespiratory Coordination. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-7.	0.5	13

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37	Heart Rate Variability Reflects the Natural History of Physiological Development in Healthy Children and Is Not Associated with Quality of Life. PLoS ONE, 2014, 9, e91036.	1.1	12
38	Bimodal dose-dependent effect on autonomic, cardiac control after oral administration of Atropa belladonna. Autonomic Neuroscience: Basic and Clinical, 2001, 90, 132-137.	1.4	11
39	Symbolic patterns of heart rate dynamics reflect cardiac autonomic changes during childhood and adolescence. Autonomic Neuroscience: Basic and Clinical, 2013, 178, 37-43.	1.4	11
40	Strategies of symbolization in cardiovascular time series to test individual gestational development in the fetus. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140087.	1.6	9
41	Thermometer of warmth in the patientâ€“provider relationship (WARMOMETER) Theory-based development of a patient self-report measure and initial validation using cognitive interview methodology. Patient Education and Counseling, 2011, 82, 361-369.	1.0	8
42	Evaluation of Modulations in Heart Rate Variability Caused by a Composition of Herbal Extracts. Arzneimittelforschung, 2000, 50, 420-424.	0.5	7
43	The oil-dispersion bath in anthroposophic medicine â€“ an integrative review. BMC Complementary and Alternative Medicine, 2008, 8, 61.	3.7	7
44	Sleep Instabilities Assessed by Cardiopulmonary Coupling Analysis Increase During Childhood and Adolescence. Frontiers in Physiology, 2018, 9, 468.	1.3	7
45	On the relevance of symbolizing heart rate variability by means of a percentile-based coarse graining approach. Physiological Measurement, 2018, 39, 105010.	1.2	6
46	Binary symbolic dynamics analysis to detect stress-associated changes of nonstationary heart rate variability. Scientific Reports, 2020, 10, 15440.	1.6	6
47	A proof-of-concept trial of HELIOX with different fractions of helium in a human study modeling upper airway obstruction. European Journal of Applied Physiology, 2019, 119, 1253-1260.	1.2	5
48	Effects of an anthroposophical remedy on cardiorespiratory regulation. Alternative Therapies in Health and Medicine, 2002, 8, 78-83.	0.0	5
49	Automatic identification of fetal breathing movements in fetal RR interval time series. Computers in Biology and Medicine, 2012, 42, 342-346.	3.9	4
50	Different approaches of symbolic dynamics to quantify heart rate complexity. , 2013, 2013, 5041-4.		3
51	Evaluation of fetal heart rate variability based on automatically determined R-times in a fetal ecg monitor. , 2014, , .		3
52	Cardiorespiratory synchronization during Zen meditation. Focus on Alternative and Complementary Therapies, 0, 10, 10-11.	0.1	3
53	Heart Rate Variability: How to Assess Effects of Mild Therapies on Autonomic Control in Small Groups of Mild and Borderline Hypertensives?. Hypertension, 2000, 35, E6-7.	1.3	2
54	Fetal Maternal Heart Rate Entrainment under Controlled Maternal Breathing. IFMBE Proceedings, 2010, , 262-265.	0.2	2

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55	A percentile-based coarse graining approach is helpful in symbolizing heart rate variability during graded head-up tilt. , 2015, 2015, 286-9.		2
56	Point-Counterpoint Comments. Journal of Applied Physiology, 2007, 102, 1716-1716.	1.2	1
57	Impact of eurythmy therapy on cardiorespiratory interaction. European Journal of Integrative Medicine, 2009, 1, 200.	0.8	1
58	Multiscale analysis of acceleration and deceleration of the instantaneous heart rate using symbolic dynamics. , 2011, 2011, 1965-8.		1
59	A Proof-Of-Concept Trial Of HELIOX With Different Fractions Of Helium In Upper Airway Obstruction. , 2012, , .		1
60	Colchicum autumnale in Patients with Goitre with Euthyroidism or Mild Hyperthyroidism: Indications for a Therapeutic Regulative Effectâ€”Results of an Observational Study. Evidence-based Complementary and Alternative Medicine, 2016, 2016, 1-8.	0.5	1
61	Comparison of Two Algorithms Analysing the Intracranial Pressure Curve in Terms of the Accuracy of Their Start-Point Detection and Resistance to Artefacts. Acta Neurochirurgica Supplementum, 2021, 131, 243-248.	0.5	1
62	Heart rate complexities assessed by short binary symbolic patterns. , 2014, , .		0
63	Heart rate dynamics assessed by different strategies of symbolization. , 2014, , .		0
64	Binary Symbolic Dynamics of Fetal Heart Rate Reflects Individual Gestational Development. , 2014, , .		0
65	Unexpected Cardiovascular Oscillations at 0.1ÂHz During Slow Speech Guided Breathing (OM Chanting) at 0.05ÂHz. Frontiers in Physiology, 2022, 13, .	1.3	0