Emi Yuda

List of Publications by Year
in descending order

81 papers	598 citations	686830 13 h-index	676716 22 g-index
82 all docs	82 docs citations	82 times ranked	565 citing authors

#	Article	IF	Citations
1	Pitfalls of assessment of autonomic function by heart rate variability. Journal of Physiological Anthropology, 2019, 38, 3.	1.0	190
2	Pulse rate variability: a new biomarker, not a surrogate for heart rate variability. Journal of Physiological Anthropology, 2020, 39, 21.	1.0	48
3	Quantitative detection of sleep apnea with wearable watch device. PLoS ONE, 2020, 15, e0237279.	1.1	28
4	Suppression of vagal cardiac modulation by blue light in healthy subjects. Journal of Physiological Anthropology, 2016, 35, 24.	1.0	27
5	Blunted cyclic variation of heart rate predicts mortality risk in post-myocardial infarction, end-stage renal disease, and chronic heart failure patients. Europace, 2017, 19, euw222.	0.7	21
6	Survival Predictors of Heart Rate Variability After Myocardial Infarction With and Without Low Left Ventricular Ejection Fraction. Frontiers in Neuroscience, 2021, 15, 610955.	1.4	21
7	Enhancement of autonomic and psychomotor arousal by exposures to blue wavelength light: importance of both absolute and relative contents of melanopic component. Journal of Physiological Anthropology, 2017, 36, 13.	1.0	18
8	Assessment of autonomic function by long-term heart rate variability: beyond the classical framework of LF and HF measurements. Journal of Physiological Anthropology, 2021, 40, 21.	1.0	17
9	Exposure to blue light during lunch break: effects on autonomic arousal and behavioral alertness. Journal of Physiological Anthropology, 2017, 36, 30.	1.0	15
10	Increase in random component of heart rate variability coinciding with developmental and degenerative stages of life. Physiological Measurement, 2018, 39, 054004.	1.2	15
11	Impact of Heart Rate Fragmentation on the Assessment of Heart Rate Variability. Applied Sciences (Switzerland), 2020, 10, 3314.	1.3	15
12	Differences in pulse rate variability with measurement site. Journal of Physiological Anthropology, 2020, 39, 4.	1.0	15
13	Sleep Stage Classification by a Combination of Actigraphic and Heart Rate Signals. Journal of Low Power Electronics and Applications, 2017, 7, 28.	1.3	14
14	Association of 24-Hour Heart Rate Variability and Daytime Physical Activity: ALLSTAR Big Data Analysis. International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB), 2018, 8, 61-67.	0.2	12
15	Redundancy among risk predictors derived from heart rate variability and dynamics: ALLSTAR big data analysis. Annals of Noninvasive Electrocardiology, 2021, 26, e12790.	0.5	11
16	Association Between Regional Difference in Heart Rate Variability and Inter-prefecture Ranking of Healthy Life Expectancy: ALLSTAR Big Data Project in Japan. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 23-28.	0.2	11
17	Estimation of Emotions by Wearable Biometric Sensors Under Daily Activities. , 2018, , .		10
18	Non-REM Sleep Marker for Wearable Monitoring: Power Concentration of Respiratory Heart Rate Fluctuation. Applied Sciences (Switzerland), 2020, 10, 3336.	1.3	9

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19	Acute effects of endurance exercise on nocturnal autonomic functions in sedentary subjects: a pilot study. Journal of Exercise Rehabilitation, 2018, 14, 113-117.	0.4	9
20	Association of heart rate variability with regional difference in senility death ratio: ALLSTAR big data analysis. SAGE Open Medicine, 2019, 7, 205031211985225.	0.7	8
21	Optimal length of Râ€"R interval segment window for Lorenz plot detection of paroxysmal atrial fibrillation by machine learning. BioMedical Engineering OnLine, 2020, 19, 49.	1.3	6
22	Effects of aging on foot pedal responses to visual stimuli. Journal of Physiological Anthropology, 2020, 39, 3.	1.0	6
23	Evaluation of nocturnal heart rate variability for strenuous exercise day using wearable photoelectric pulse wave sensor. Journal of Exercise Rehabilitation, 2018, 14, 633-637.	0.4	6
24	Sleep stage classification by combination of actigraphic and heart rate signals. , 2017, , .		4
25	Detection of Daily Emotions by Wearable Biometric Sensors. , 2019, , .		4
26	Impacts of sleeping time during the day on the timing and level of basal heart rate: analysis of ALLSTAR big data. Wireless Networks, 2020, 26, 4819-4823.	2.0	4
27	Ambient-task combined lighting to regulate autonomic and psychomotor arousal levels without compromising subjective comfort to lighting. Journal of Physiological Anthropology, 2021, 40, 8.	1.0	4
28	Machine-Learning Estimation of Body Posture and Physical Activity by Wearable Acceleration and Heartbeat Sensors. Signal and Image Processing: an International Journal, 2019, 10, 01-09.	0.2	4
29	Nightâ€toâ€night variability of sleep apnea detected by cyclic variation of heart rate during longâ€term continuous ECG monitoring. Annals of Noninvasive Electrocardiology, 2022, 27, e12901.	0.5	4
30	Characteristics of basal heart rate during daily life. , 2017, , .		3
31	Difference in autonomic nervous effect of blue light depending on the angle of incidence on the eye. BMC Research Notes, 2020, 13, 141.	0.6	3
32	Risk stratification after acute myocardial infarction by amplitudeâ€"frequency mapping of cyclic variation of heart rate. Annals of Noninvasive Electrocardiology, 2021, 26, e12825.	0.5	3
33	Comparison of emotional impacts of interaction with remote controlled plush media and those with video call applications. , 2017, , .		2
34	Menstrual Cycles of Autonomic Functions and Physical Activities. , 2018, , .		2
35	Smart Shirt Respiratory Monitoring to Detect Car Driver Drowsiness. International Journal of Affective Engineering, 2021, 20, 57-62.	0.2	2
36	Changes in Heart Rate Dynamics with Menstrual Cycles. Advances in Intelligent Systems and Computing, 2020, , 138-147.	0.5	2

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37	Detection of paroxysmal atrial fibrillation by Lorenz plot imaging of ECG R-R intervals. , 2019, , .		2
38	Evaluation of Tympanic Temperature, Heart Rate Variability and Finger-Foot Reaction Using VR in the Elderly. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2022, 26, 309-314.	0.5	2
39	Longer lying position causes lower LF/HF of heart rate variability during ambulatory monitoring. , 2016, , .		1
40	Discrimination of Emotional Type by Heartbeat Signal Information. , 2018, , .		1
41	Neural Network Detection of Atrial Fibrillation by Lorenz Plot Images of Interbeat Interval Variation. , 2018, , .		1
42	Assessment of Sleep Quality by Electrocardiogram: Usefulness for Risk Stratification Among Hemodialysis Patients with End-stage Renal Disease. , 2018, , .		1
43	Robustness of Basal Heart Rate against Declining Physical Activity Analysis of Physiological Big Data. , 2019, , .		1
44	Effects of Illumination Color on Autonomic Response to Exercise. , 2019, , .		1
45	Evaluation of Eardrum Temperature and Autonomic Nervous Activity by VR Motion Sickness in Amusement Parkâ€™s VR Attraction. , 2020, , .		1
46	Estimation of Office Workerâ€™s Emotions Using Wearable Biometric Sensor. International Symposium on Affective Science and Engineering, 2020, ISASE2020, 1-3.	0.1	1
47	Estimation of Office Workerâ€™s Emotion Types Using Two-dimensional Model Consisted of Biometric Signals. International Journal of Affective Engineering, 2021, 20, 105-110.	0.2	1
48	Enhanced detection of abnormalities in heart rate variability and dynamics by 7â€day continuous ECG monitoring. Annals of Noninvasive Electrocardiology, 2021, , e12897.	0.5	1
49	Sensing of Microvascular Vasomotion Using Consumer Camera. Sensors, 2021, 21, 6256.	2.1	1
50	Evaluation of Physiological and Psychological Stress in Head Driver Leading Self-Driving Truck. International Symposium on Affective Science and Engineering, 2021, ISASE2021, 1-2.	0.1	1
51	Impacts of Sleeping Time During the Day on the Timing and Level of Basal Heart Rate: Analysis of ALLSTAR Big Data. EAI/Springer Innovations in Communication and Computing, 2019, , 53-58.	0.9	1
52	P-21ã€€Coordination of chewing rhythm and heart rate. Ningen Kogaku = the Japanese Journal of Ergonomics, 2017, 53, S742-S743.	0.0	1
53	Spiky Burst of High Frequency Heart Rate Variability: A Prodromal Sign of Syncope Accompanying Heatstroke. International Journal of Environmental Science and Development, 2019, 10, 241-245.	0.2	1
54	Improvements of the Analysis of Human Activity Using Acceleration Record of Electrocardiographs. Signal and Image Processing: an International Journal, 2019, 10, 39-48.	0.2	1

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55	Physical and Psychophysiological Impacts of GPS Labor Management in Nursing Home Workers. , 2016, , .		0
56	Development of sleep-wake estimation algorithm using the wrist acceleration sensor. , 2017, , .		0
57	Life Style Modification by Peer Monitoring of Physical Activity. , 2017, , .		0
58	Blue glasses increase your alertness: Effects of colored glasses on psychomotor performance. , 2017, , .		0
59	Variations Among Heart Rate Varibility of Pulse Waves Simulataneously Measured at Different Sites. , 2018, , .		0
60	Physiological and Psychological Burden of Workers by Satellite Navigation Labor Management. , 2018, , .		0
61	Effects of Chewing Gum on Differential Components of Psychomotor Vigilance : Improved Sustained Attention with Prolonged Reaction Time. , 2018, , .		0
62	Blunted Cardiac Response to Sleep Apnea a Marker of Depression After Acute Myocardial Infarction. , 2018, , .		0
63	Constituent factors of heart rate variability ALLSTAR big data analysis. Wireless Networks, 2022, 28, 1287-1292.	2.0	0
64	Relationship Between Subjective Assessment of Sleep Quality and Heart Rate Variability During Sleep. , 2018, , .		0
65	Fundamental study on preliminary image processing at time development of CNN using chest radiography. , 2019, , .		0
66	Invited Talk 4: Effects of Illumination Color on Autonomic Response to Exercise. , 2019, , .		0
67	Psychophysiological Assessment of User's Cumbersome Feeling on Consumer Devices. , 2019, , .		0
68	Detection of Sleep Apnea by Cyclic Variation of Pulse Rate. , 2019, , .		0
69	Usefulness of Adaptive Correlation Filter for Detecting QRS Waves from Noisy Electrocardiograms. , 2019, , .		0
70	Influence of Heart Rate Fragmentation on the Assessment of Heart Rate Variability. , 2019, , .		0
71	Increased Heart Rate Fragmentation Predicts Mortality Risk Among End-Stage Renal Disease. , 2020, , .		0
72	Nocturnal Frequency Instability of Respiratory Sinus Arrhythmia in Heart Failure. , 2020, , .		0

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73	Prediction of Menstrual Cycle Phase by Wearable Heart Rate Sensor. Advances in Computer and Electrical Engineering Book Series, 2021, , 1-15.	0.2	0
74	Assessment of Flow Mediated Dilation by Pulse Wave Conduction Delay. International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB), 2018, 8, 147-154.	0.2	0
75	Color Glasses during Morning Drive for Commuting-Effects on Autonomic Functions, Alertness, and Nocturnal Sleep. International Journal of Environmental Science and Development, 2018, 9, 90-94.	0.2	0
76	Synchronization between Respiration and Mastication Functional Coordination of Respiratory and Digestive Systems. International Journal of Bioscience, Biochemistry, Bioinformatics (IJBBB), 2018, 8, 181-186.	0.2	0
77	Unique Characteristics of Heart Rate Variability Obtained from Pulse Wave Signals during Work. Journal of Advances in Information Technology, 2019, 10, 131-136.	2.6	0
78	Assessment of Workplace Organization Environment by Wearable Biometric Sensor. International Journal of Environmental Science and Development, 2019, 10, 197-201.	0.2	0
79	On the Privacy of Genomic Big Data and EHR Standardization and Regulation. , 2019, , .		0
80	Screening of Track Driverâ€™s Sleep Apnea by Objective Measure and Subjective Sense of Sleep Quality. International Journal of Affective Engineering, 2020, 19, 79-82.	0.2	0
81	Prediction of Menstrual Cycle Phase by Wearable Heart Rate Sensor. , 2022, , 528-543.		0