

Tzu-Chien Hsiao

List of Publications by Year in descending order

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44
papers

221
citations

1162889

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1199470

12
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45
docs citations

45
times ranked

212
citing authors

#	ARTICLE	IF	CITATIONS
1	The Indices of Instantaneous Pulse Rate Variability Are Indicators for Daily Life Quality Assessment in Patients with COPD. <i>Journal of Healthcare Engineering</i> , 2022, 2022, 1-10.	1.1	0
2	Time- and Frequency-Domain Analysis of Stroke Volume Variability Using Indoor Cycling to Evaluate Physical Load of Body. <i>Information (Switzerland)</i> , 2022, 13, 148.	1.7	3
3	Very Short-Term Photoplethysmography-Based Heart Rate Variability for Continuous Autoregulation Assessment. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6469.	1.3	0
4	Toward T-Wave Recognition of ECG Signals Through Modulated Ensemble Empirical Mode Decomposition. <i>Advances in Data Science and Adaptive Analysis</i> , 2021, 13, 2150002.	0.2	2
5	Extended classifier system with continuous real-coded variables for feature extraction of instantaneous pulse-rate variability and respiration of individuals with gaming disorder. <i>BioMedical Engineering OnLine</i> , 2021, 20, 93.	1.3	1
6	Extraction of Psychological Symptoms and Instantaneous Respiratory Frequency as Indicators of Internet Addiction Using Rule-Based Machine Learning. <i>Advances in Science, Technology and Engineering Systems</i> , 2021, 6, 203-212.	0.4	1
7	Toward instantaneous frequency of respiration to investigate the risk of internet gaming disorder. , 2021, 2021, 232-235.		1
8	Is the asynchronous phase of thoracoabdominal movement a novel feature of successful extubation? A preliminary result. , 2021, 2021, 752-756.		1
9	Classification of the risk of internet gaming disorder by flow short scale and cardiovascular response. , 2021, 2021, 1761-1764.		1
10	The Prolonged Effect on Respiratory Sinus Arrhythmia Response of Individual with Internet Gaming Disorder via Breathing Exercise. <i>IFMBE Proceedings</i> , 2020, , 26-32.	0.2	0
11	Real-time detection of internet addiction using reinforcement learning system. , 2019, , .		11
12	A Novel Cue-Induced Abdominal Reaction Analysis for Internet Gaming Disorder. <i>Journal of Medical Systems</i> , 2019, 43, 94.	2.2	6
13	Towards estimation of respiratory muscle effort with respiratory inductance plethysmography signals and complementary ensemble empirical mode decomposition. <i>Medical and Biological Engineering and Computing</i> , 2018, 56, 1293-1303.	1.6	8
14	Development of Limited-Angle Iterative Reconstruction Algorithms with Context Encoder-Based Sinogram Completion for Micro-CT Applications. <i>Sensors</i> , 2018, 18, 4458.	2.1	10
15	Magnitude Variation of Arterial Blood Pressure Measured Using Holo-Hilbert Spectral Analysis. <i>Advances in Data Science and Adaptive Analysis</i> , 2018, 10, 1850007.	0.2	4
16	Emotional Response of Internet Gaming Disorder Gamer Among Taiwan College Students. <i>Advanced Science Letters</i> , 2017, 23, 3782-3785.	0.2	2
17	Can Very High Frequency Instantaneous Pulse Rate Variability Serve as an Obvious Indicator of Peripheral Circulation?. <i>Journal of Communication and Computer</i> , 2017, 14, .	0.1	1
18	Respiratory sinus arrhythmia reactivity of internet addiction abusers in negative and positive emotional states using film clips stimulation. <i>BioMedical Engineering OnLine</i> , 2016, 15, 69.	1.3	18

#	ARTICLE	IF	CITATIONS
19	Heart rate variability of internet gaming disorder addicts in emotional states. , 2016, , .		3
20	Instantaneous phase difference analysis between thoracic and abdominal movement signals based on complementary ensemble empirical mode decomposition. BioMedical Engineering OnLine, 2016, 15, 112.	1.3	6
21	Online Pedagogical Tutorial Tactics Optimization Using Genetic-Based Reinforcement Learning. Scientific World Journal, The, 2015, 2015, 1-11.	0.8	6
22	Respiratory Feature Extraction in Emotion of Internet Addiction Abusers Using Complementary Ensemble Empirical Mode Decomposition. Journal of Medical Imaging and Health Informatics, 2015, 5, 391-399.	0.2	6
23	Better Thoracoabdominal Synchrony in Abdominal Breathing: Evidence From Complementary Ensemble Empirical Mode Decomposition-Based Lissajous Figure Analysis. Journal of Medical Imaging and Health Informatics, 2015, 5, 400-405.	0.2	4
24	A novel index of photoplethysmography by using instantaneous pulse rate variability during non-stationary condition. , 2015, , .		4
25	The Influence of Emotion on Keyboard Typing: An Experimental Study Using Auditory Stimuli. PLoS ONE, 2015, 10, e0129056.	1.1	25
26	Impact of Vehicular Networks on Emergency Medical Services in Urban Areas. International Journal of Environmental Research and Public Health, 2014, 11, 11348-11370.	1.2	13
27	BREATHING PATTERN RECOGNITION OF ABDOMINAL WALL MOVEMENT BY USING ENSEMBLE EMPIRICAL MODE DECOMPOSITION. Advances in Adaptive Data Analysis, 2014, 06, 1450002.	0.6	6
28	Frequency range extension of spectral analysis of pulse rate variability based on Hilbert-Huang transform. Medical and Biological Engineering and Computing, 2014, 52, 343-351.	1.6	20
29	The influence of emotion on keyboard typing: an experimental study using visual stimuli. BioMedical Engineering OnLine, 2014, 13, 81.	1.3	12
30	The interpretation of very high frequency band of instantaneous pulse rate variability during paced respiration. BioMedical Engineering OnLine, 2014, 13, 46.	1.3	10
31	Reflection wave analysis based on ensemble empirical mode decomposition. , 2013, , .		1
32	Recognizing thoracic breathing by ensemble empirical mode decomposition. , 2013, , .		0
33	Quantitative non-stationary assessment of cardiovascular diseases based on arterial blood pressure waveform by using Hilbert-Huang transform. , 2013, , .		0
34	Fluorescence Intrinsic Characterization of Excitation-Emission Matrix Using Multi-Dimensional Ensemble Empirical Mode Decomposition. International Journal of Molecular Sciences, 2013, 14, 22436-22448.	1.8	13
35	QUANTITATIVE EVALUATION OF MULTIVARIATE ANALYSIS METHODS FOR EXCITATION-EMISSION SPECTROSCOPY. Biomedical Engineering - Applications, Basis and Communications, 2013, 25, 1250027.	0.3	1
36	The effect of emotion on keystroke: An experimental study using facial feedback hypothesis. , 2013, 2013, 2870-3.		5

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37	Fibreoptic fluorescence spectroscopy for monitoring fish freshness. , 2012, , .		2
38	XCSF for prediction on emotion induced by image based on dimensional theory of emotion. , 2012, , .		7
39	Affective pattern analysis of image in frequency domain using the Hilbert-Huang Transform. , 2012, , .		0
40	USING NEUROFUZZY NETWORKS TO MIMIC ANESTHESIOLOGIST KNOWLEDGE IN DECISION MAKING ON PROPOFOL ADMINISTRATION. Biomedical Engineering - Applications, Basis and Communications, 2010, 22, 453-464.	0.3	3
41	Optical Characterization of a 1-D Nanostructure by Dark-Field Microscopy and Surface Plasmon Resonance to Determine Biomolecular Interactions. IEEE Sensors Journal, 2010, 10, 712-719.	2.4	2
42	A low-cost Green IT concept design of VHSP based on virtualization technology. , 2009, , .		0
43	EDUCATION SYSTEM INTEGRATION IN CROSS-DISCIPLINARY WITH COLLEGES "VIRTUAL BIOMEDICAL INSTRUMENT (VBI) FOR EXAMPLE. Biomedical Engineering - Applications, Basis and Communications, 2008, 20, 153-160.	0.3	1
44	Investigation of Emotion Characters of Internet Abusers Using Psychophysiological Signals. , 0, , .		0