

Philippe Ravier

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

691
citations

758635

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h-index

610482

24
g-index

65
all docs

65
docs citations

65
times ranked

801
citing authors

#	ARTICLE	IF	CITATIONS
1	On the optimal number estimation of selected features using joint histogram based mutual information for speech emotion recognition. Journal of King Saud University - Computer and Information Sciences, 2021, 33, 1074-1083.	2.7	4
2	On the Deterministic Estimation of Multiscale Permutation Entropy of High-Order Autoregressive-Moving-Average Processes as a Function of ARMA Parameters. , 2021, , .		1
3	The Impact of Linear Filter Preprocessing in the Interpretation of Permutation Entropy. Entropy, 2021, 23, 787.	1.1	6
4	Corrigendum to "Optimized Method for Generating and Acquiring GPS Gold Codes" International Journal of Antennas and Propagation, 2021, 2021, 1-1.	0.7	0
5	STL Decomposition of Time Series Can Benefit Forecasting Done by Statistical Methods but Not by Machine Learning Ones. Engineering Proceedings, 2021, 5, 42.	0.4	13
6	Improvement of Statistical Performance of Ordinal Multiscale Entropy Techniques Using Refined Composite Downsampling Permutation Entropy. Entropy, 2021, 23, 30.	1.1	6
7	The Refined Composite Downsampling Permutation Entropy Is a Relevant Tool in the Muscle Fatigue Study Using sEMG Signals. Entropy, 2021, 23, 1655.	1.1	4
8	Relevant harmonics selection based on mutual information for electrical appliances identification. International Journal of Computer Applications in Technology, 2020, 62, 102.	0.3	3
9	Relevant harmonics selection based on mutual information for electrical appliances identification. International Journal of Computer Applications in Technology, 2020, 62, 102.	0.3	0
10	Heartbeat Classification Using ANFIS System and QRS Complex Features Extraction. , 2020, , .		0
11	Statistical features extraction based on the discrete wavelet transform for electrical appliances identification. , 2020, , .		3
12	Extraction and selection of statistical harmonics features for electrical appliances identification using k-NN classifier combined with voting rules method. Turkish Journal of Electrical Engineering and Computer Sciences, 2019, 27, 2980-2997.	0.9	2
13	On the Statistical Properties of Multiscale Permutation Entropy: Characterization of the Estimator's Variance. Entropy, 2019, 21, 450.	1.1	16
14	Electrical transient modeling for appliance characterization. Eurasip Journal on Advances in Signal Processing, 2019, 2019, .	1.0	2
15	Mutual Information Based Feature Selection for Fingerprint Identification. Informatica (Slovenia), 2019, 43, .	0.6	1
16	Time-Varying Delay Estimation Applied to the Surface Electromyography Signals Using the Parametric Approach. Fluctuation and Noise Letters, 2018, 17, 1850015.	1.0	1
17	A binning formula of bi-histogram for joint entropy estimation using mean square error minimization. Pattern Recognition Letters, 2018, 101, 21-28.	2.6	5
18	Theoretical Study of Multiscale Permutation Entropy on Finite-Length Fractional Gaussian Noise. , 2018, , .		6

#	ARTICLE	IF	CITATIONS
19	Bearing Signal Enhancement Using Taylor- ∞ Estimator Under Variable Speed Condition. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 2538-2547.	2.4	5
20	Use of cardiorespiratory coherence to separate spectral bands of the heart rate variability. Biomedical Signal Processing and Control, 2018, 46, 260-267.	3.5	7
21	Time Varying Delay Estimators for Measuring Muscle Fiber Conduction Velocity: Effects of Non-stationarity of the Data. IFMBE Proceedings, 2018, , 415-419.	0.2	1
22	An Effective Time Varying Delay Estimator Applied to Surface Electromyographic Signals. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2018, , 214-225.	0.2	0
23	Wavelet Cepstral Coefficients for Electrical Appliances Identification using Hidden Markov Models. , 2018, , .		2
24	Decomposition of Multi-Channel Intramuscular EMG Signals by Cyclostationary-Based Blind Source Separation. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2017, 25, 2035-2045.	2.7	20
25	High accuracy event detection for Non-Intrusive Load Monitoring. , 2017, , .		12
26	Assessment of the non-Gaussianity and non-linearity levels of simulated sEMG signals on stationary segments. Journal of Electromyography and Kinesiology, 2017, 32, 70-82.	0.7	10
27	Extraction and selection of binarised statistical image features for fingerprint recognition. International Journal of Biometrics, 2017, 9, 67.	0.3	2
28	Order tracking using H \hat{a} estimator and polynomial approximation. Mechanics and Industry, 2017, 18, 808.	0.5	2
29	Electrical Appliances Identification and Clustering using Novel Turn-on Transient Features. , 2017, , .		3
30	Extraction and selection of binarised statistical image features for fingerprint recognition. International Journal of Biometrics, 2017, 9, 67.	0.3	1
31	Local and Global Feature Selection for Prosodic Classification of the Word \hat{e} 's Uses. , 2017, , .		0
32	Muscular activation intervals detection using gaussian mixture model GMM applied to sEMG signals. , 2016, , .		1
33	Characterizing Parkinson's disease using EMG fractional linear prediction. , 2016, , .		4
34	A measurement system for creating datasets of on/off-controlled electrical loads. , 2016, , .		6
35	Accuracy comparison of low-cost energy meters for home electrical consumption assessment. , 2016, , .		2
36	Multi-Level Pre-Correlation RFI Flagging for Real-Time Implementation on UniBoard. Journal of Astronomical Instrumentation, 2016, 05, .	0.8	7

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37	General analytical models characterizing MBOC modulated signal. Aerospace Science and Technology, 2016, 50, 112-126.	2.5	10
38	Detection of PVC in ECG signals using fractional linear prediction. Biomedical Signal Processing and Control, 2016, 23, 42-51.	3.5	25
39	Modeling and estimation of transient current signals. , 2015, , .		11
40	Assessment of an MCMC algorithm convergence for Bayesian estimation of the particle size distribution from multiangle dynamic light scattering measurements. , 2015, , .		0
41	Optimized Method for Generating and Acquiring GPS Gold Codes. International Journal of Antennas and Propagation, 2015, 2015, 1-9.	0.7	4
42	Validation of the time delay estimators applied to the surface electromyography signals during isometric isotonic and isometric anisotonic contraction. , 2015, , .		1
43	Time-varying delay estimators for measuring muscle fiber conduction velocity from the surface electromyogram. Biomedical Signal Processing and Control, 2015, 22, 126-134.	3.5	7
44	Legendre polynomial modeling of time-varying delay applied to surface EMG signals – Derivation of the appropriate time-dependent CRBs. Signal Processing, 2015, 114, 34-44.	2.1	7
45	Multiangle dynamic light scattering for the improvement of multimodal particle size distribution measurements. Soft Matter, 2015, 11, 28-32.	1.2	47
46	A new cyclostationarity-based blind approach for motor unit's firing rate automated detection in electromyographic signals. , 2014, , .		4
47	A new histogram-based estimation technique of entropy and mutual information using mean squared error minimization. Computers and Electrical Engineering, 2013, 39, 918-933.	3.0	13
48	HRV spectral estimation based on constrained Gaussian modeling in the nonstationary case. Biomedical Signal Processing and Control, 2013, 8, 483-490.	3.5	4
49	A generating model of realistic synthetic heart sounds for performance assessment of phonocardiogram processing algorithms. Biomedical Signal Processing and Control, 2013, 8, 455-465.	3.5	16
50	Comparison of Maximum Likelihood and Time Frequency Approaches for Time Varying Delay Estimation in The Case of Electromyography Signals. , 2012, , .		5
51	Low bias histogram-based estimation of mutual information for feature selection. Pattern Recognition Letters, 2012, 33, 1302-1308.	2.6	36
52	Analyse de l'activité à bord de dragues aspiratrices: une méthodologie exploratoire combinant données psychologiques et physiologiques. Activités, 2012, 09, .	0.1	0
53	Do the generalized correlation methods improve time delay estimation of the muscle fiber conduction velocity?. , 2011, , .		5
54	A New Concept of Virtual Patient for Real-Time ECG Analyzers. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 939-946.	2.4	10

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55	GPS/Galileo Multipath Mitigation Using the First Side Peak of Double Delta Correlator. <i>Wireless Personal Communications</i> , 2011, 60, 321-333.	1.8	12
56	Determination of turbulence properties by using empirical mode decomposition on periodic and random perturbed flows. <i>Experiments in Fluids</i> , 2010, 49, 379-390.	1.1	10
57	The vastus lateralis neuromuscular activity during all-out cycling exercise. <i>Journal of Electromyography and Kinesiology</i> , 2009, 19, 922-930.	0.7	11
58	Reduction of the impulsive noise emitted by a resistive load commutation. , 2008, , .		0
59	A new real time and efficient method to automatically count plastic cards. , 2008, , .		0
60	Redefining Performance Evaluation Tools for Real-Time QRS Complex Classification Systems. <i>IEEE Transactions on Biomedical Engineering</i> , 2007, 54, 1706-1710.	2.5	8
61	Experimental muscle pain changes the spatial distribution of upper trapezius muscle activity during sustained contraction. <i>Clinical Neurophysiology</i> , 2006, 117, 2436-2445.	0.7	117
62	On Lempelâ€™Ziv complexity for multidimensional data analysis. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 345, 285-302.	1.2	30
63	An EMG fractal indicator having different sensitivities to changes in force and muscle fatigue during voluntary static muscle contractions. <i>Journal of Electromyography and Kinesiology</i> , 2005, 15, 210-221.	0.7	56
64	Wavelet packets and de-noising based on higher-order-statistics for transient detection. <i>Signal Processing</i> , 2001, 81, 1909-1926.	2.1	62
65	Combining an adapted wavelet analysis with fourth-order statistics for transient detection. <i>Signal Processing</i> , 1998, 70, 115-128.	2.1	22