

Laurent Oudre

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

791
citations

933447

10
h-index

580821

25
g-index

43
all docs

43
docs citations

43
times ranked

697
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective review of offline change point detection methods. <i>Signal Processing</i> , 2020, 167, 107299.	3.7	486
2	Template-Based Step Detection with Inertial Measurement Units. <i>Sensors</i> , 2018, 18, 4033.	3.8	23
3	An Automated Recording Method in Clinical Consultation to Rate the Limp in Lower Limb Osteoarthritis. <i>PLoS ONE</i> , 2016, 11, e0164975.	2.5	23
4	Classification of Periodic Activities Using the Wasserstein Distance. <i>IEEE Transactions on Biomedical Engineering</i> , 2012, 59, 1610-1619.	4.2	20
5	The Use of Inertial Measurement Units for the Study of Free Living Environment Activity Assessment: A Literature Review. <i>Sensors</i> , 2020, 20, 5625.	3.8	18
6	Observational Study of 180° Turning Strategies Using Inertial Measurement Units and Fall Risk in Poststroke Hemiparetic Patients. <i>Frontiers in Neurology</i> , 2017, 8, 194.	2.4	17
7	Chord Recognition by Fitting Rescaled Chroma Vectors to Chord Templates. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2011, 19, 2222-2233.	3.2	16
8	Automatic Detection and Removal of Impulsive Noise in Audio Signals. <i>Image Processing on Line</i> , 0, 5, 267-281.	0.0	16
9	Preventing falls: the use of machine learning for the prediction of future falls in individuals without history of fall. <i>Journal of Neurology</i> , 2023, 270, 618-631.	3.6	15
10	Learning Laplacian Matrix from Bandlimited Graph Signals. , 2019, , .		13
11	Personalized Template-Based Step Detection From Inertial Measurement Units Signals in Multiple Sclerosis. <i>Frontiers in Neurology</i> , 2020, 11, 261.	2.4	12
12	Chord recognition using measures of fit, chord templates and filtering methods. , 2009, , .		10
13	Non-Linear Template-Based Approach for the Study of Locomotion. <i>Sensors</i> , 2020, 20, 1939.	3.8	10
14	Interpolation of Missing Samples in Sound Signals Based on Autoregressive Modeling. <i>Image Processing on Line</i> , 0, 8, 329-344.	0.0	10
15	A Data Set for the Study of Human Locomotion with Inertial Measurements Units. <i>Image Processing on Line</i> , 0, 9, 381-390.	0.0	10
16	Probabilistic Template-Based Chord Recognition. <i>IEEE Transactions on Audio Speech and Language Processing</i> , 2011, 19, 2249-2259.	3.2	9
17	Quantify osteoarthritis gait at the doctor's office: a simple pelvis accelerometer based method independent from footwear and aging. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015, 18, 1880-1881.	1.6	9
18	Template-DTW based on inertial signals: Preliminary results for step characterization. , 2017, 2017, 2267-2270.		8

#	ARTICLE	IF	CITATIONS
19	Greedy Kernel Change-Point Detection. IEEE Transactions on Signal Processing, 2019, 67, 6204-6214.	5.3	8
20	A performance evaluation framework for video stabilization methods. , 2018, , .		6
21	Comparing Gait Trials with Greedy Template Matching. Sensors, 2019, 19, 3089.	3.8	6
22	An opinion paper on the maintenance of robustness: Towards a multimodal and intergenerational approach using digital twins. Aging Medicine (Milton (N S W)), 2020, 3, 188-194.	2.1	4
23	Motor style at rest and during locomotion in humans. Journal of Neurophysiology, 2020, 123, 2269-2284.	1.8	4
24	Adaptive Subsampling of Multidomain Signals with Product Graphs. , 2021, , .		4
25	A topological data analysis-based method for gait signals with an application to the study of multiple sclerosis. PLoS ONE, 2022, 17, e0268475.	2.5	4
26	Probabilistic framework for template-based chord recognition. , 2010, , .		3
27	Supervised Kernel Change Point Detection with Partial Annotations. , 2019, , .		3
28	Assessing Smoothness of Arm Movements With Jerk: A Comparison of Laterality, Contraction Mode and Plane of Elevation. A Pilot Study. Frontiers in Bioengineering and Biotechnology, 2021, 9, 782740.	4.1	3
29	IPOL: Reviewed publication and public testing of research software. , 2012, , .		2
30	SVELTE: Evaluation device of energy expenditure and physical condition for the prevention and treatment of obesity-related diseases through the analysis of a person's physical activities. Irbm, 2013, 34, 108-112.	5.6	2
31	Subsampling of Multivariate Time-Vertex Graph Signals. , 2019, , .		2
32	Apprenticeship Learning for a Predictive State Representation of Anesthesia. IEEE Transactions on Biomedical Engineering, 2020, 67, 2052-2063.	4.2	2
33	Low Rank Activations for Tensor-Based Convolutional Sparse Coding. , 2020, , .		2
34	Adaptive Change-Point Detection for Studying Human Locomotion. , 2021, 2021, 2020-2024.		2
35	An Uncertainty Principle for Lowband Graph Signals. IEEE Signal Processing Letters, 2022, 29, 727-731.	3.6	2
36	Tensor Convolutional Dictionary Learning With CP Low-Rank Activations. IEEE Transactions on Signal Processing, 2022, 70, 785-796.	5.3	1

#	ARTICLE	IF	CITATIONS
37	Learning spatial filters from EEG signals with Graph Signal Processing methods. , 2021, 2021, 657-660.		1
38	Image fusion using optimisation of statistical measurements. , 2008, , 251-272.		0
39	OPTIMIZATION OF THE COST FUNCTION IN THE MONGE-KANTOROVICH PROBLEM (MKP) UNDER THE MONGE CONDITION. International Journal of Pattern Recognition and Artificial Intelligence, 2014, 28, 1451006.	1.2	0
40	Feature Trajectories Selection for Video Stabilization. , 2018, , .		0