

Sylvio Barbon

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

1,553
citations

279798

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g-index

119
all docs

119
docs citations

119
times ranked

1403
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation Goals for Online Process Mining: A Concept Drift Perspective. IEEE Transactions on Services Computing, 2022, 15, 2473-2489.	4.6	22
2	Toward Text Data Augmentation for Sentiment Analysis. IEEE Transactions on Artificial Intelligence, 2022, 3, 657-668.	4.7	14
3	Using meta-learning for multi-target regression. Information Sciences, 2022, 584, 665-684.	6.9	8
4	Unsupervised online anomaly detection in Software Defined Network environments. Expert Systems With Applications, 2022, 191, 116225.	7.6	6
5	Sport action mining: Dribbling recognition in soccer. Multimedia Tools and Applications, 2022, 81, 4341-4364.	3.9	4
6	Deep computer vision system for cocoa classification. Multimedia Tools and Applications, 2022, 81, 41059-41077.	3.9	17
7	Classification of fermented cocoa beans (cut test) using computer vision. Journal of Food Composition and Analysis, 2021, 97, 103771.	3.9	34
8	TERL: classification of transposable elements by convolutional neural networks. Briefings in Bioinformatics, 2021, 22, .	6.5	22
9	Advances in Data Management in the Big Data Era. IFIP Advances in Information and Communication Technology, 2021, , 99-126.	0.7	7
10	Computational Analysis of and CircRNAs in. Methods in Molecular Biology, 2021, 2362, 147-172.	0.9	1
11	Improved prediction of soil properties with multi-target stacked generalisation on EDXRF spectra. Chemometrics and Intelligent Laboratory Systems, 2021, 209, 104231.	3.5	12
12	On the use of online clustering for anomaly detection in trace streams. , 2021, , .		3
13	Detecting and Mitigating Adversarial Examples in Regression Tasks: A Photovoltaic Power Generation Forecasting Case Study. Information (Switzerland), 2021, 12, 394.	2.9	6
14	Football player dominant region determined by a novel model based on instantaneous kinematics variables. Scientific Reports, 2021, 11, 18209.	3.3	6
15	Meta-recommendation of pork technological quality standards. Biosystems Engineering, 2021, 210, 13-19.	4.3	1
16	Process Mining Encoding via Meta-learning for an Enhanced Anomaly Detection. Communications in Computer and Information Science, 2021, , 157-168.	0.5	2
17	On the use of blockchain for agrifood traceability. , 2021, , 279-302.		2
18	Evaluating Trace Encoding Methods in Process Mining. Lecture Notes in Computer Science, 2021, , 174-189.	1.3	8

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19	Time Series Segmentation Based on Stationarity Analysis to Improve New Samples Prediction. Sensors, 2021, 21, 7333.	3.8	9
20	Attack Detection in Smart Home IoT Networks using CluStream and Page-Hinkley Test. , 2021, , .		4
21	Acoustic investigation of speech pathologies based on the discriminative paraconsistent machine (DPM). Biomedical Signal Processing and Control, 2020, 55, 101615.	5.7	22
22	Multi-target prediction of wheat flour quality parameters with near infrared spectroscopy. Information Processing in Agriculture, 2020, 7, 342-354.	4.1	25
23	Pre-trained Data Augmentation for Text Classification. Lecture Notes in Computer Science, 2020, , 551-565.	1.3	6
24	Active Learning Embedded in Incremental Decision Trees. Lecture Notes in Computer Science, 2020, , 367-381.	1.3	0
25	Photovoltaic Generation Forecast: Model Training and Adversarial Attack Aspects. Lecture Notes in Computer Science, 2020, , 634-649.	1.3	2
26	Artificial Immune Systems and Fuzzy Logic to Detect Flooding Attacks in Software-Defined Networks. IEEE Access, 2020, 8, 100172-100184.	4.2	25
27	Language-Independent Fake News Detection: English, Portuguese, and Spanish Mutual Features. Future Internet, 2020, 12, 87.	3.8	46
28	DSTARS: A multi-target deep structure for tracking asynchronous regressor stacking. Applied Soft Computing Journal, 2020, 91, 106215.	7.2	6
29	Evaluating the Four-Way Performance Trade-Off for Data Stream Classification in Edge Computing. IEEE Transactions on Network and Service Management, 2020, 17, 1013-1025.	4.9	5
30	Dual Stage Image Analysis for a complex pattern classification task: Ham veining defect detection. Biosystems Engineering, 2020, 191, 129-144.	4.3	7
31	Analysis of Language Inspired Trace Representation for Anomaly Detection. Communications in Computer and Information Science, 2020, , 296-308.	0.5	8
32	Anomaly Detection on Event Logs with a Scarcity of Labels. , 2020, , .		9
33	Identificaç~o de Composi~oes da Paisagem Urbana. Revista De Morfologia Urbana, 2020, 8, e00140.	0.0	0
34	How Machine Learning Can Support Cyberattack Detection in Smart Grids. , 2020, , 225-258.		1
35	Advantages of Multi-Target Modelling for Spectral Regression. , 2020, , 95-121.		1
36	Towards Proximity Graph Auto-configuration: An Approach Based on Meta-learning. Lecture Notes in Computer Science, 2020, , 93-107.	1.3	1

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37	Robust computer vision system for marbling meat segmentation. <i>Electronic Letters on Computer Vision and Image Analysis</i> , 2020, 19, 15.	0.6	2
38	A Multi-label Classification System to Distinguish among Fake, Satirical, Objective and Legitimate News in Brazilian Portuguese. <i>ISys</i> , 2020, 13, 126-149.	0.2	0
39	Comparing Concept Drift Detection with Process Mining Software. <i>ISys</i> , 2020, 13, 101-125.	0.2	1
40	Deciding among Fake, Satirical, Objective and Legitimate news. , 2019, , .		4
41	Computer Vision Classification of Barley Flour Based on Spatial Pyramid Partition Ensemble. <i>Sensors</i> , 2019, 19, 2953.	3.8	36
42	IoTDS: A One-Class Classification Approach to Detect Botnets in Internet of Things Devices. <i>Sensors</i> , 2019, 19, 3188.	3.8	50
43	A meta-learning approach for selecting image segmentation algorithm. <i>Pattern Recognition Letters</i> , 2019, 128, 480-487.	4.2	29
44	Comparing Concept Drift Detection with Process Mining Tools. , 2019, , .		7
45	Improvements on diagnostic assessment questionnaires of Maturity Level Management with feature selection. , 2019, , .		1
46	Overlapping Analytic Stages in Online Process Mining. , 2019, , .		12
47	Evaluating the Four-Way Performance Trade-Off for Stream Classification. <i>Lecture Notes in Computer Science</i> , 2019, , 3-17.	1.3	2
48	Comparison of rapid techniques for classification of ground meat. <i>Biosystems Engineering</i> , 2019, 183, 151-159.	4.3	49
49	Machine learning hyperparameter selection for Contrast Limited Adaptive Histogram Equalization. <i>Eurasip Journal on Image and Video Processing</i> , 2019, 2019, .	2.6	61
50	Towards Meta-Learning for Multi-Target Regression Problems. , 2019, , .		4
51	Online Local Boosting: Improving Performance in Online Decision Trees. , 2019, , .		0
52	Mobile botnets detection based on machine learning over system calls. <i>International Journal of Security and Networks</i> , 2019, 14, 103.	0.2	4
53	Computer vision system and near-infrared spectroscopy for identification and classification of chicken with wooden breast, and physicochemical and technological characterization. <i>Infrared Physics and Technology</i> , 2019, 96, 303-310.	2.9	55
54	Multi-Output Tree Chaining: An Interpretative Modelling and Lightweight Multi-Target Approach. <i>Journal of Signal Processing Systems</i> , 2019, 91, 191-215.	2.1	19

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55	White striping degree assessment using computer vision system and consumer acceptance test. Asian-Australasian Journal of Animal Sciences, 2019, 32, 1015-1026.	2.4	13
56	Stock Portfolio Prediction by Multi-Target Decision Support. ISys, 2019, 12, 05-27.	0.2	1
57	Leveraging Anomaly Detection in Business Process with Data Stream Mining. ISys, 2019, 12, 54-75.	0.2	3
58	A Framework for Human-in-the-loop Monitoring of Concept-drift Detection in Event Log Stream. , 2018, , .		20
59	Predicting the ripening of papaya fruit with digital imaging and random forests. Computers and Electronics in Agriculture, 2018, 145, 76-82.	7.7	121
60	Detection of Human, Legitimate Bot, and Malicious Bot in Online Social Networks Based on Wavelets. ACM Transactions on Multimedia Computing, Communications and Applications, 2018, 14, 1-17.	4.3	11
61	Process mining and hierarchical clustering to help intrusion alert visualization. Computers and Security, 2018, 73, 474-491.	6.0	27
62	Benchmarking Multi-target Regression Methods. , 2018, , .		3
63	Making Data Stream Classification Tree-Based Ensembles Lighter. , 2018, , .		5
64	U-Healthcare System for Pre-Diagnosis of Parkinson's Disease from Voice Signal. , 2018, , .		2
65	Anomaly Detection in Business Process based on Data Stream Mining. , 2018, , .		8
66	Stock Portfolio Prediction by Multi-Target Decision Support. , 2018, , .		2
67	Improving Hierarchical Classification of Transposable Elements using Deep Neural Networks. , 2018, , .		11
68	Strict Very Fast Decision Tree: A memory conservative algorithm for data stream mining. Pattern Recognition Letters, 2018, 116, 22-28.	4.2	32
69	Applying multi-label techniques in emotion identification of short texts. Neurocomputing, 2018, 320, 35-46.	5.9	33
70	Predicting poultry meat characteristics using an enhanced multi-target regression method. Biosystems Engineering, 2018, 171, 193-204.	4.3	27
71	Classification of Chicken Parts Using a Portable Near-Infrared (NIR) Spectrophotometer and Machine Learning. Applied Spectroscopy, 2018, 72, 1774-1780.	2.2	48
72	Machine Learning Applied to Near-Infrared Spectra for Chicken Meat Classification. Journal of Spectroscopy, 2018, 2018, 1-12.	1.3	27

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73	Fuzzy approach for classification of pork into quality grades: coping with unclassifiable samples. Computers and Electronics in Agriculture, 2018, 150, 455-464.	7.7	4
74	Computer vision system for characterization of pasta (noodle) composition. Journal of Electronic Imaging, 2018, 27, 1.	0.9	6
75	Anomaly detection using the correlational paraconsistent machine with digital signatures of network segment. Information Sciences, 2017, 420, 313-328.	6.9	22
76	Toward a New Generation of Log Pre-processing Methods for Process Mining. Lecture Notes in Business Information Processing, 2017, , 55-70.	1.0	15
77	Detecting mobile botnets through machine learning and system calls analysis. , 2017, , .		9
78	Development of a flexible Computer Vision System for marbling classification. Computers and Electronics in Agriculture, 2017, 142, 536-544.	7.7	22
79	Authorship verification applied to detection of compromised accounts on online social networks. Multimedia Tools and Applications, 2017, 76, 3213-3233.	3.9	37
80	Stacking Methods for Hierarchical Classification. , 2017, , .		11
81	DSTARS: A Multi-target Deep Structure for Tracking Asynchronous Regressor Stack. , 2017, , .		8
82	Discovering Attackers Past Behavior to Generate Online Hyper-Alerts. ISys, 2017, 10, 122-147.	0.2	3
83	Artificial and Natural Topic Detection in Online Social Networks. ISys, 2017, 10, 80-98.	0.2	4
84	Storage time prediction of pork by Computational Intelligence. Computers and Electronics in Agriculture, 2016, 127, 368-375.	7.7	33
85	Multi-class Emotions Classification by Sentic Levels as Features in Sentiment Analysis. , 2016, , .		5
86	A Meta-Learning Approach for Recommendation of Image Segmentation Algorithms. , 2016, , .		5
87	Account classification in online social networks with LBCA and wavelets. Information Sciences, 2016, 332, 72-83.	6.9	33
88	Digital image analyses as an alternative tool for chicken quality assessment. Biosystems Engineering, 2016, 144, 85-93.	4.3	52
89	Unsupervised learning clustering and self-organized agents applied to help network management. Expert Systems With Applications, 2016, 54, 29-47.	7.6	23
90	Comparison of SVM and REPTRee for Classification of Poultry Quality. , 2016, , .		0

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91	RELATIONSHIP QUALITY IN ELECTRONIC COMMERCE (RELACIONAMENTO DE QUALIDADE NO COMÉRCIO) Tj ETQ1 1 0.784314 rjB	0.1	2
92	Estudo comparativo entre algoritmos das transformadas discretas de Fourier e Wavelet. Revista Brasileira De Computação Aplicada, 2015, 7, .	0.1	1
93	Pattern Recognition of Lower Member Skin Ulcers in Medical Images with Machine Learning Algorithms. , 2015, , .		12
94	Recognition on Online Social Network by user's writing style. ISys, 2015, 8, 64-85.	0.2	3
95	Adaptive Distribution of Vocabulary Frequencies: A Novel Estimation Suitable for Social Media Corpus. , 2014, , .		3
96	Correlational paraconsistent machine for anomaly detection. , 2014, , .		5
97	Color energy as a seed descriptor for image segmentation with region growing algorithms on skin wound images. , 2014, , .		7
98	Anomaly detection using digital signature of network segment with adaptive ARIMA model and Paraconsistent Logic. , 2014, , .		17
99	Using Ant Colony Optimization metaheuristic and Dynamic Time Warping for anomaly detection. , 2013, , .		5
100	Introducing the Discriminative Paraconsistent Machine (DPM). Information Sciences, 2013, 221, 389-402.	6.9	7
101	On the Determination of Epsilon during Discriminative GMM Training. , 2010, , .		0
102	Wavelet-based dynamic time warping. Journal of Computational and Applied Mathematics, 2009, 227, 271-287.	2.0	12
103	Wavelet-based cepstrum calculation. Journal of Computational and Applied Mathematics, 2009, 227, 288-293.	2.0	7
104	A Neural-Network Approach for Speech Features Classification Based on Paraconsistent Logic. , 2009, , .		1
105	Introduction to the Discrete Shapelet Transform and a new paradigm: Joint time-frequency-shape analysis. , 2008, , .		20
106	A Fractal-Based Approach for Speech Segmentation. , 2008, , .		8
107	SPOKEN DOCUMENT SUMMARIZATION BASED ON DYNAMIC TIME WARPING AND WAVELETS. International Journal of Semantic Computing, 2007, 01, 347-357.	0.5	5
108	Improved Dynamic Time Warping Based on the Discrete Wavelet Transform. , 2007, , .		6

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109	A neural-wavelet architecture for voice conversion. Neurocomputing, 2007, 71, 174-180.	5.9	25
110	Autoregressive decomposition and pole tracking applied to vocal fold nodule signals. Pattern Recognition Letters, 2007, 28, 1360-1367.	4.2	19
111	Improved Dynamic Time Warping Based on the Discrete Wavelet Transform. , 2007, , .		1
112	A Fractal and Wavelet-Based Approach for Audio Coding.. , 2006, , .		0
113	A Study on the Best Wavelet for Audio Compression. , 2006, , .		5
114	Support Vector Machines and Wavelets for Voice Disorder Sorting. , 0, , .		2
115	Intrusion Alert Correlation to Support Security Management. , 0, , .		3
116	Topic Modeling based on Louvain method in Online Social Networks. , 0, , .		3
117	Marbling Grading Framework Applied on Meat Boutique Environment. , 0, , .		0
118	Computer vision for classification and quality analysis of food.. , 0, , .		0