

Ruairc de Frain

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4268743/publications.pdf>

Version: 2024-02-01

42
papers

251
citations

1163117

8
h-index

1125743

13
g-index

42
all docs

42
docs citations

42
times ranked

108
citing authors

#	ARTICLE	IF	CITATIONS
1	An LPC pole processing method for enhancing the identification of dominant spectral features. Electronics Letters, 2021, 57, 708-710.	1.0	2
2	A Linear Predictive Coding Filtering Method for the Time-resolved Morphology of EEG Activity. , 2021, , .		1
3	Power-Weighted LPC Formant Estimation. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2207-2211.	3.0	6
4	Extending Instantaneous De-mixing Algorithms to Anechoic Mixtures. , 2021, , .		1
5	Bayesian Adaptive Path Allocation Techniques for Intra-Datacenter Workloads. , 2021, , .		2
6	Grammatical Evolution for Detecting Cyberattacks in Internet of Things Environments. , 2021, , .		1
7	Detecting Network State in the Presence of Varying Levels of Congestion. , 2021, , .		5
8	A Survey of Machine Learning Techniques for Video Quality Prediction from Quality of Delivery Metrics. Electronics (Switzerland), 2021, 10, 2851.	3.1	11
9	An Adaptive Routing Framework for Efficient Power Consumption in Software-Defined Datacenter Networks. Electronics (Switzerland), 2021, 10, 3027.	3.1	4
10	Rapid Restoration Techniques for Software-Defined Networks. Applied Sciences (Switzerland), 2020, 10, 3411.	2.5	15
11	SLA-Aware Routing Strategy for Multi-Tenant Software-Defined Networks. , 2020, , .		1
12	New Robust LPC-Based Method for Time-resolved Morphology of High-noise Multiple Frequency Signals. , 2020, , .		2
13	Remedying Sound Source Separation via Azimuth Discrimination and Re-synthesis. , 2020, , .		1
14	Reformulating the Binary Masking Approach of Adress as Soft Masking. Electronics (Switzerland), 2020, 9, 1373.	3.1	1
15	A Proactive-Restoration Technique for SDNs. , 2020, , .		1
16	Predicting Quality of Delivery Metrics for Adaptive Video Codec Sessions. , 2020, , .		0
17	Distance-based Cluster Head Election for Mobile Sensing. , 2018, , .		1
18	Video Quality Prediction Under Time-Varying Loads. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
19	APHONIC: Adaptive thresholding for noise cancellation in smart mobile environments. , 2017, , .		2
20	Power-Weighted Divergences for Relative Attenuation and Delay Estimation. IEEE Signal Processing Letters, 2016, 23, 1612-1616.	3.6	7
21	The data-centre whisperer: Relative attribute usage estimation for cloud servers. , 2016, , .		4
22	Source Separation Approach to Video Quality Prediction in Computer Networks. IEEE Communications Letters, 2016, , 1-1.	4.1	8
23	Selecting Energy Efficient Cluster-Head Trajectories for Collaborative Mobile Sensing. , 2015, , .		11
24	Enterprise Data Center Globality Measurement. , 2015, , .		4
25	Take Off a Load: Load-Adjusted Video Quality Prediction and Measurement. , 2015, , .		3
26	Load-adjusted video quality prediction methods for missing data. , 2015, , .		1
27	Effect of system load on video service metrics. , 2015, , .		9
28	Learning convolutive features for storage and transmission between networked sensors. , 2015, , .		1
29	Integration of QoS Metrics, Rules and Semantic Uplift for Advanced IPTV Monitoring. Journal of Network and Systems Management, 2015, 23, 673-708.	4.9	9
30	Learning and storing the parts of objects: IMF. , 2014, , .		7
31	Quantized nonnegative matrix factorization. , 2014, , .		4
32	Multilayered, Blocked Formal Concept Analyses for Adaptive Image Compression. Lecture Notes in Computer Science, 2014, , 251-267.	1.3	0
33	Ghostbusters: A Parts-based NMF algorithm. , 2013, , .		8
34	Formal Concept Analysis via Atomic Priming. Lecture Notes in Computer Science, 2013, , 92-108.	1.3	8
35	Distributed Formal Concept Analysis Algorithms Based on an Iterative MapReduce Framework. Lecture Notes in Computer Science, 2012, , 292-308.	1.3	25
36	The Synchronized Short-Time-Fourier-Transform: Properties and Definitions for Multichannel Source Separation. IEEE Transactions on Signal Processing, 2011, 59, 91-103.	5.3	26

#	ARTICLE	IF	CITATIONS
37	Extracting Garch Effects from Asset Returns Using Robust NMF. , 2009, , .		1
38	Learning speech features in the presence of noise: Sparse convolutive robust non-negative matrix factorization. , 2009, , .		6
39	Constructing Time-Frequency Dictionaries for Source Separation via Time-Frequency Masking and Source Localisation. Lecture Notes in Computer Science, 2009, , 573-580.	1.3	3
40	Portfolio diversification using subspace factorizations. , 2008, , .		11
41	The Occipital and Sacral Pressures Experienced by Healthy Volunteers Under Spinal Immobilization: A Trial of Three Surfaces. Journal of Emergency Nursing, 2007, 33, 447-450.	1.0	35
42	Dominant frequency component tracking of noisy time-varying signals using the linear predictive coding pole processing method. Electronics Letters, 0, , .	1.0	0