

# 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	The Occipital and Sacral Pressures Experienced by Healthy Volunteers Under Spinal Immobilization: A Trial of Three Surfaces. <i>Journal of Emergency Nursing</i> , 2007, 33, 447-450.	1.0	35
2	The Synchronized Short-Time-Fourier-Transform: Properties and Definitions for Multichannel Source Separation. <i>IEEE Transactions on Signal Processing</i> , 2011, 59, 91-103.	5.3	26
3	Distributed Formal Concept Analysis Algorithms Based on an Iterative MapReduce Framework. <i>Lecture Notes in Computer Science</i> , 2012, , 292-308.	1.3	25
4	Rapid Restoration Techniques for Software-Defined Networks. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3411.	2.5	15
5	Portfolio diversification using subspace factorizations. , 2008, , .		11
6	Selecting Energy Efficient Cluster-Head Trajectories for Collaborative Mobile Sensing. , 2015, , .		11
7	A Survey of Machine Learning Techniques for Video Quality Prediction from Quality of Delivery Metrics. <i>Electronics (Switzerland)</i> , 2021, 10, 2851.	3.1	11
8	Effect of system load on video service metrics. , 2015, , .		9
9	Integration of QoS Metrics, Rules and Semantic Uplift for Advanced IPTV Monitoring. <i>Journal of Network and Systems Management</i> , 2015, 23, 673-708.	4.9	9
10	Ghostbusters: A Parts-based NMF algorithm. , 2013, , .		8
11	Source Separation Approach to Video Quality Prediction in Computer Networks. <i>IEEE Communications Letters</i> , 2016, , 1-1.	4.1	8
12	Formal Concept Analysis via Atomic Priming. <i>Lecture Notes in Computer Science</i> , 2013, , 92-108.	1.3	8
13	Learning and storing the parts of objects: IMF. , 2014, , .		7
14	Power-Weighted Divergences for Relative Attenuation and Delay Estimation. <i>IEEE Signal Processing Letters</i> , 2016, 23, 1612-1616.	3.6	7
15	Learning speech features in the presence of noise: Sparse convolutive robust non-negative matrix factorization. , 2009, , .		6
16	Power-Weighted LPC Formant Estimation. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021, 68, 2207-2211.	3.0	6
17	Detecting Network State in the Presence of Varying Levels of Congestion. , 2021, , .		5
18	Quantized nonnegative matrix factorization. , 2014, , .		4

#	ARTICLE	IF	CITATIONS
19	Enterprise Data Center Globality Measurement. , 2015, , .		4
20	The data-centre whisperer: Relative attribute usage estimation for cloud servers. , 2016, , .		4
21	An Adaptive Routing Framework for Efficient Power Consumption in Software-Defined Datacenter Networks. Electronics (Switzerland), 2021, 10, 3027.	3.1	4
22	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
23	Take Off a Load: Load-Adjusted Video Quality Prediction and Measurement. , 2015, , .		3
24	Video Quality Prediction Under Time-Varying Loads. , 2018, , .		3
25	APHONIC: Adaptive thresholding for noise cancellation in smart mobile environments. , 2017, , .		2
26	New Robust LPC-Based Method for Time-resolved Morphology of High-noise Multiple Frequency Signals. , 2020, , .		2
27	An LPC pole processing method for enhancing the identification of dominant spectral features. Electronics Letters, 2021, 57, 708-710.	1.0	2
28	Bayesian Adaptive Path Allocation Techniques for Intra-Datacenter Workloads. , 2021, , .		2
29	Extracting Garch Effects from Asset Returns Using Robust NMF. , 2009, , .		1
30	Load-adjusted video quality prediction methods for missing data. , 2015, , .		1
31	Learning convolutive features for storage and transmission between networked sensors. , 2015, , .		1
32	Distance-based Cluster Head Election for Mobile Sensing. , 2018, , .		1
33	SLA-Aware Routing Strategy for Multi-Tenant Software-Defined Networks. , 2020, , .		1
34	Remedying Sound Source Separation via Azimuth Discrimination and Re-synthesis. , 2020, , .		1
35	Reformulating the Binary Masking Approach of Adress as Soft Masking. Electronics (Switzerland), 2020, 9, 1373.	3.1	1
36	A Proactive-Restoration Technique for SDNs. , 2020, , .		1

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37	A Linear Predictive Coding Filtering Method for the Time-resolved Morphology of EEG Activity. , 2021, , .		1
38	Extending Instantaneous De-mixing Algorithms to Anechoic Mixtures. , 2021, , .		1
39	Grammatical Evolution for Detecting Cyberattacks in Internet of Things Environments. , 2021, , .		1
40	Multilayered, Blocked Formal Concept Analyses for Adaptive Image Compression. Lecture Notes in Computer Science, 2014, , 251-267.	1.3	0
41	Dominant frequency component tracking of noisy time-varying signals using the linear predictive coding pole processing method. Electronics Letters, 0, , .	1.0	0
42	Predicting Quality of Delivery Metrics for Adaptive Video Codec Sessions. , 2020, , .		0