CÃ©dric Richard

List of Publications by Year
in descending order

52 papers	2,466 citations	304743 22 h-index	265206 42 g-index
52 all docs	52 docs citations	52 times ranked	1417 citing authors

#	Article	IF	Citations
1	Online Prediction of Time Series Data With Kernels. IEEE Transactions on Signal Processing, 2009, 57, 1058-1067.	5.3	378
2	Nonlinear Unmixing of Hyperspectral Images: Models and Algorithms. IEEE Signal Processing Magazine, 2014, 31, 82-94.	5.6	362
3	Multitask Diffusion Adaptation Over Networks. IEEE Transactions on Signal Processing, 2014, 62, 4129-4144.	5.3	214
4	Diffusion LMS Over Multitask Networks. IEEE Transactions on Signal Processing, 2015, 63, 2733-2748.	5.3	181
5	Nonlinear Unmixing of Hyperspectral Data Based on a Linear-Mixture/Nonlinear-Fluctuation Model. IEEE Transactions on Signal Processing, 2013, 61, 480-492.	5.3	179
6	Spectral Variability in Hyperspectral Data Unmixing: A comprehensive review. IEEE Geoscience and Remote Sensing Magazine, 2021, 9, 223-270.	9.6	92
7	Stochastic Behavior Analysis of the Gaussian Kernel Least-Mean-Square Algorithm. IEEE Transactions on Signal Processing, 2012, 60, 2208-2222.	5.3	86
8	A Fast Multiscale Spatial Regularization for Sparse Hyperspectral Unmixing. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 598-602.	3.1	76
9	Nonnegative Least-Mean-Square Algorithm. IEEE Transactions on Signal Processing, 2011, 59, 5225-5235.	5.3	63
10	Multitask Learning Over Graphs: An Approach for Distributed, Streaming Machine Learning. IEEE Signal Processing Magazine, 2020, 37, 14-25.	5.6	57
11	Multitask Diffusion Adaptation Over<?Pub _newline ?>Asynchronous Networks. IEEE Transactions on Signal Processing, 2016, 64, 2835-2850.	5.3	55
12	Proximal Multitask Learning Over Networks With Sparsity-Inducing Coregularization. IEEE Transactions on Signal Processing, 2016, 64, 6329-6344.	5.3	52
13	Diffusion LMS for Multitask Problems With Local Linear Equality Constraints. IEEE Transactions on Signal Processing, 2017, 65, 4979-4993.	5.3	52
14	Multitask Diffusion Adaptation Over Networks With Common Latent Representations. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 563-579.	10.8	46
15	Decentralized Online Learning With Kernels. IEEE Transactions on Signal Processing, 2018, 66, 3240-3255.	5.3	40
16	Blind and Fully Constrained Unmixing of Hyperspectral Images. IEEE Transactions on Image Processing, 2014, 23, 5510-5518.	9.8	34
17	Hyperspectral Image Super-Resolution via Deep Prior Regularization With Parameter Estimation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1708-1723.	8.3	34
18	Coupled Tensor Decomposition for Hyperspectral and Multispectral Image Fusion With Inter-Image Variability. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 702-717.	10.8	34

#	Article	IF	Citations
19	Nonlinear Unmixing of Hyperspectral Data With Vector-Valued Kernel Functions. IEEE Transactions on Image Processing, 2017, 26, 340-354.	9.8	33
20	Transient Performance Analysis of Zero-Attracting LMS. IEEE Signal Processing Letters, 2016, 23, 1786-1790.	3.6	31
21	Nonparametric Detection of Nonlinearly Mixed Pixels and Endmember Estimation in Hyperspectral Images. IEEE Transactions on Image Processing, 2016, 25, 1136-1151.	9.8	30
22	Band Selection for Nonlinear Unmixing of Hyperspectral Images as a Maximal Clique Problem. IEEE Transactions on Image Processing, 2017, 26, 2179-2191.	9.8	26
23	Affine Combination of Diffusion Strategies Over Networks. IEEE Transactions on Signal Processing, 2020, 68, 2087-2104.	5.3	24
24	Convergence analysis of kernel LMS algorithm with pre-tuned dictionary. , 2014, , .		22
25	Online Distributed Learning Over Graphs With Multitask Graph-Filter Models. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 63-77.	2.8	21
26	Kernel LMS algorithm with forward-backward splitting for dictionary learning. , 2013, , .		20
27	A Self-Supervised Deep Learning Approach for Blind Denoising and Waveform Coherence Enhancement in Distributed Acoustic Sensing Data. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3371-3384.	11.3	20
28	Diffusion LMS With Communication Delays: Stability and Performance Analysis. IEEE Signal Processing Letters, 2020, 27, 730-734.	3.6	18
29	Learning Over Multitask Graphsâ€”Part I: Stability Analysis. IEEE Open Journal of Signal Processing, 2020, 1, 28-45.	3.5	17
30	A Blind Multiscale Spatial Regularization Framework for Kernel-Based Spectral Unmixing. IEEE Transactions on Image Processing, 2020, 29, 4965-4979.	9.8	17
31	On Reducing the Communication Cost of the Diffusion LMS Algorithm. IEEE Transactions on Signal and Information Processing Over Networks, 2019, 5, 100-112.	2.8	16
32	Deep Generative Models for Library Augmentation in Multiple Endmember Spectral Mixture Analysis. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1831-1835.	3.1	16
33	A Regularization Framework for Learning Over Multitask Graphs. IEEE Signal Processing Letters, 2019, 26, 297-301.	3.6	14
34	A graph diffusion LMS strategy for adaptive graph signal processing. , 2017, , .		11
35	Fast Unmixing and Change Detection in Multitemporal Hyperspectral Data. IEEE Transactions on Computational Imaging, 2021, 7, 975-988.	4.4	10
36	Hyperspectral Super-resolution Accounting for Spectral Variability: Coupled Tensor LL1-Based Recovery and Blind Unmixing of the Unknown Super-resolution Image. SIAM Journal on Imaging Sciences, 2022, 15, 110-138.	2.2	10

#	Article	IF	Citations
37	Kalman Filtering and Expectation Maximization for Multitemporal Spectral Unmixing. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	9
38	Learning Spectral-Spatial Prior Via 3DDNCNN for Hyperspectral Image Deconvolution. , 2020, , .		8
39	Convex Combination of Diffusion Strategies Over Networks. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 714-731.	2.8	8
40	Learning Combination of Graph Filters for Graph Signal Modeling. IEEE Signal Processing Letters, 2019, 26, 1912-1916.	3.6	7
41	Online Graph Topology Inference with Kernels For Brain Connectivity Estimation. , 2020, , .		7
42	Transient Theoretical Analysis of Diffusion RLS Algorithm for Cyclostationary Colored Inputs. IEEE Signal Processing Letters, 2021, 28, 1160-1164.	3.6	7
43	Learning Causal Networks Topology From Streaming Graph Signals. , 2019, , .		5
44	Online Proximal Learning Over Jointly Sparse Multitask Networks With $ell _{infty, 1}$ Regularization. IEEE Transactions on Signal Processing, 2020, 68, 6319-6335.	5.3	5
45	Next-Generation Traffic Monitoring with Distributed Acoustic Sensing Arrays and Optimum Array Processing. , 2021, , .		5
46	Learning Over Multitask Graphsâ€”Part II: Performance Analysis. IEEE Open Journal of Signal Processing, 2020, 1, 46-63.	3.5	3
47	Online Kernel-Based Graph Topology Identification with Partial-Derivative-Imposed Sparsity. , 2021, , .		3
48	Transient Performance Analysis of the $ell _1$-RLS. IEEE Signal Processing Letters, 2022, 29, 90-94.	3.6	3
49	Convergence Analysis of the Graph-Topology-Inference Kernel LMS Algorithm. , 2021, , .		2
50	From Timeâ€“Frequency to Vertexâ€“Frequency and Back. Mathematics, 2021, 9, 1407.	2.2	2
51	Graph Topology Inference With Derivative-Reproducing Property in RKHS: Algorithm and Convergence Analysis. IEEE Transactions on Signal and Information Processing Over Networks, 2022, 8, 78-91.	2.8	1
52	Transient Analysis of Clustered Multitask Diffusion RLS Algorithm. , 2022, , .		0