MiloÅ¡ BrajoviÄ

List of Publications by Year
in descending order

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61	441	1040056	839539
papers	citations	9	18
		h-index	g-index

61	61	61	278
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Time-frequency decomposition of multivariate multicomponent signals. Signal Processing, 2018, 142, 468-479.	3.7	54
2	Gradientâ€based signal reconstruction algorithm in Hermite transform domain. Electronics Letters, 2016, 52, 41-43.	1.0	32
3	Data Analytics on Graphs Part III: Machine Learning on Graphs, from Graph Topology to Applications. Foundations and Trends in Machine Learning, 2020, 13, 332-530.	69.0	32
4	On the parameterization of Hermite transform with application to the compression of QRS complexes. Signal Processing, 2017, 131, 113-119.	3.7	31
5	Analysis of the Reconstruction of Sparse Signals in the DCT Domain Applied to Audio Signals. IEEE/ACM Transactions on Audio Speech and Language Processing, 2018, 26, 1220-1235.	5.8	30
6	Post-processing of time-frequency representations in instantaneous frequency estimation based on ant colony optimization. Signal Processing, 2017, 138, 195-210.	3.7	25
7	Data Analytics on Graphs Part I: Graphs and Spectra on Graphs. Foundations and Trends in Machine Learning, 2020, 13, 1-157.	69.0	25
8	On the decomposition of multichannel nonstationary multicomponent signals. Signal Processing, 2020, 167, 107261.	3.7	24
9	Data Analytics on Graphs Part II: Signals on Graphs. Foundations and Trends in Machine Learning, 2020, 13, 158-331.	69.0	21
10	Vertex-frequency graph signal processing: A comprehensive review. , 2020, 107, 102802.		20
11	An overview of smart irrigation software. , 2015, , .		10
12	Quantization in Compressive Sensing: A Signal Processing Approach. IEEE Access, 2020, 8, 50611-50625.	4.2	10
13	RANSAC-Based Signal Denoising Using Compressive Sensing. Circuits, Systems, and Signal Processing, 2021, 40, 3907-3928.	2.0	9
14	Error in the Reconstruction of Nonsparse Images. Mathematical Problems in Engineering, 2018, 2018, 1-10.	1.1	8
15	An algorithm for micro-Doppler period estimation. , 2012, , .		7
16	Compressive Sensing of Sparse Signals in the Hermite Transform Basis. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 950-967.	4.7	7
17	Decomposition of multichannel multicomponent nonstationary signals by combining the eigenvectors of autocorrelation matrix using genetic algorithm. , 2020, 102, 102738.		7
18	Complex-Valued Binary Compressive Sensing. , 2018, , .		6

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19	Reconstruction Error in Nonuniformly Sampled Approximately Sparse Signals. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 28-32.	3.1	6
20	FHSS signal sparsification in the Hermite transform domain. , 2016, , .		5
21	Analysis of noisy coefficients in the discrete Hermite transform domain with application in signal denoising and sparse signal reconstruction. Signal Processing, 2018, 150, 145-156.	3.7	5
22	Improved Coherence Index-Based Bound in Compressive Sensing. IEEE Signal Processing Letters, 2021, 28, 1110-1114.	3.6	5
23	Two-component bivariate signal decomposition based on time-frequency analysis. , 2017, , .		4
24	On the Quantization and the Probability of Misdetection in Compressive Sensing. , 2019, , .		4
25	Bit-depth quantization and reconstruction error in digital images. Signal, Image and Video Processing, 2020, 14, 1545-1553.	2.7	4
26	The DCT domain sparsity-assisted detection and recovery of impulsively disturbed samples. Multimedia Tools and Applications, 2021, 80, 6221-6234.	3.9	4
27	Sparse signal recovery based on concentration measures and genetic algorithm. , 2016, , .		3
28	Convexity of the â„“1-norm based sparsity measure with respect to the missing samples as variables. , 2016, , .		3
29	Additive noise influence on the bivariate two-component signal decomposition. , 2018, , .		3
30	Comparison of Two Image Denoising Approaches Based on Compressive Sensing Principles. , 2021, , .		3
31	Multivariate Decomposition of Acoustic Signals in Dispersive Channels. Mathematics, 2021, 9, 2796.	2.2	3
32	Laplacian Filter in Reconstruction of Images using Gradient-Based Algorithm. , 2021, , .		3
33	Neural networks application to Neretva basin hydro-meteorological data. , 2016, , .		2
34	The Optimization of the Hermite transform: Application perspectives and 2D generalization. , 2016, , .		2
35	Detection of irregular QRS complexes using Hermite transform and support vector machine. , 2017, , .		2
36	Micro-Doppler removal in radar imaging in the case of non-compensated rigid body acceleration. , 2018, , .		2

#	Article	IF	Citations
37	A p-Laplacian Inspired Method for Graph Cut. , 2019, , .		2
38	Decomposition of Two-Component Multivariate Signals with Overlapped Domains of Support. , 2019, , .		2
39	From Timeâ€“Frequency to Vertexâ€“Frequency and Back. Mathematics, 2021, 9, 1407.	2.2	2
40	Sparse representation of FHSS signals in the Hermite transform domain. Telfor Journal, 2017, 9, 92-97.	0.7	2
41	Analysis of noise in complex-valued binary and bipolar sigmoid compressive sensing. Telfor Journal, 2019, 11, 35-40.	0.7	2
42	The analysis of missing samples in signals sparse in the hermite transform domain. , 2015, , .		1
43	A software tool for compressive sensing based time-frequency analysis. , 2015, , .		1
44	Instantaneous frequency estimation using Ant colony optimization and Wigner distribution. , 2015, , .		1
45	Representation of uniformly sampled signals in the Hermite transform domain. , 2016, , .		1
46	Gradient-Descent Algorithm Performance With Reduced Set of Quantized Measurements. , 2019, , .		1
47	Sparsity-Driven Impulsive Noise Removal: A Discrete Hermite Transform Case Study. , 2019, , .		1
48	On Polynomial Approximations of Spectral Windows in Vertex-Frequency Representations. , 2020, , .		1
49	Parameter optimization of orthogonal discrete Hermite transform formed using eigenvectors of a symmetric tridiagonal matrix. , 2021, 117, 103140.		1
50	Audio Signal Denoising Based on Laplacian Filter and Sparse Signal Reconstruction. , 2022, , .		1
51	Image denoising using RANSAC and compressive sensing. Multimedia Tools and Applications, 0, , .	3.9	1
52	Compressive sensing for reconstruction of 3D point clouds in smart systems. , 2016, , .		0
53	Compressive sensing of signals sparse in 2D Hermite transform domain. , 2016, , .		0
54	Sparse signal reconstruction based on random search procedure. , 2017, , .		0

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55	A tool for ECG signal analysis using standard and optimized Hermite transform. , 2017, , .		0
56	The reconstruction of 2D sparse signals by exploiting transform coefficients variances. , 2017, , .		0
57	Reconstruction of Missing Samples in LFM Signals Using the Genetic Algorithm. , 2018, , .		0
58	Effect of Random Sampling on Noisy Nonsparse Signals in Time-Frequency Analysis. , 2018, , .		0
59	Time-Varying Cross-Range in Wideband Sonar Imaging. , 2019, , .		0
60	Quantization Effect in Nonuniform Nonsparse Signal Reconstruction. , 2020, , .		0
61	Inverse Radon Transform in Radar Signal Parameter Estimation â€“ an Overview. , 2021, , .		0