Dimitris A Pados

List of Publications by Year
in descending order

87 papers	1,124 citations	686830 13 h-index	525886 27 g-index
87 all docs	87 docs citations	87 times ranked	868 citing authors

#	Article	IF	Citations
1	Low-Complexity Decoder for Overloaded Uniquely Decodable Synchronous CDMA. IEEE Access, 2022, 10, 46255-46275.	2.6	4
2	Reduced-Rank L1-Norm Principal-Component Analysis With Performance Guarantees. IEEE Transactions on Signal Processing, 2021, 69, 240-255.	3.2	4
3	FFT calculation of the L1-norm principal component of a data matrix. Signal Processing, 2021, 189, 108286.	2.1	0
4	L1-Subspace Tracking for Streaming Data. Pattern Recognition, 2020, 97, 106992.	5.1	4
5	Optimal Joint Channel Estimation and Data Detection by L1-norm PCA for Streetscape IoT. , 2020, , .		1
6	Autonomous Plankton Classification from Reconstructed Holographic Imagery by L1- PCA-assisted Convolutional Neural Networks. , 2020, , .		0
7	Realified L1-PCA for direction-of-arrival estimation: theory and algorithms. Eurasip Journal on Advances in Signal Processing, 2019, 2019, .	1.0	6
8	Data Conformity Evaluation: A Novel Approach for IoT Security. , 2019, , .		1
9	Comprehending the IoT cyber threat landscape: A data dimensionality reduction technique to infer and characterize Internet-scale IoT probing campaigns. Digital Investigation, 2019, 28, S40-S49.	3.2	41
10	Beacon-assisted Underwater Localization by L1-norm Space-Time Tensor Subspaces. , 2019, , .		1
11	Deep Ll-PCA of Time-Variant Data with Application to Brain Connectivity Measurements. , 2019, , .		1
12	Directional Space-Time Waveform Design for Interference-Avoiding MIMO Configurations. , 2019, , .		2
13	Iteratively Re-weighted L1-PCA of Tensor Data. , 2019, , .		2
14	Tensor Data Conformity Evaluation for Interference-Resistant Localization. , 2019, , .		2
15	Conformity evaluation and L1-norm principal-component analysis of tensor data. , 2019, , .		8
16	L1-Norm Principal-Component Analysis of Complex Data. IEEE Transactions on Signal Processing, 2018, 66, 3256-3267.	3.2	44
17	Semi-Blind Signal Recovery in Impulsive Noise with L1-Norm PCA. , 2018, , .		3
18	Short Data Record Filtering for Adaptive Underwater Acoustic Communications. , 2018, , .		3

#	Article	IF	Citations
19	Airborne Cognitive Networking: Design, Development, and Deployment. IEEE Access, 2018, 6, 47217-47239.	2.6	24
20	Conformity evaluation of data samples by L1-norm principal-component analysis. , 2018, , .		3
21	L1-norm principal-component analysis in L2-norm-reduced-rank data subspaces. , 2017, , .		1
22	Efficient L1-Norm Principal-Component Analysis via Bit Flipping. IEEE Transactions on Signal Processing, 2017, 65, 4252-4264.	3.2	91
23	Sparse waveform design for all-spectrum channelization. , 2017, , .		3
24	Computational advances in sparse L1-norm principal-component analysis of multi-dimensional data. , 2017, , .		1
25	Differential amplify-and-forward cooperative relaying in a software-defined radio testbed with an aerial relay node. , 2017, , .		1
26	L1-Norm Principal-Component Analysis via Bit Flipping. , 2016, , .		9
27	On the L1-Norm Approximation of a Matrix by Another of Lower Rank. , 2016, , .		7
28	Increasing indoor spectrum sharing capacity using smart reflect-array. , 2016, , .		153
29	Joint-view Kalman-filter recovery of compressed-sensed multiview videos. , 2016, , .		0
30	Direction-of-arrival estimation by L1-norm principal components. , 2016, , .		6
31	Two-Stage Tensor Locality-Preserving Projection Face Recognition. , 2016, , .		1
32	Compressed-Sensed-Domain L_1-PCA Video Surveillance. IEEE Transactions on Multimedia, 2016, 18, 351-363.	5.2	63
33	All-Spectrum Cognitive Channelization around Narrowband and Wideband Primary Stations. , 2015, , .		16
34	Optimal multiuser spread-spectrum data hiding in digital images. Security and Communication Networks, 2015, 8, 540-549.	1.0	4
35	Relay Location Optimization for Differential Amplify-and-Forward Cooperative Relaying. , 2015, , .		1
36	L_1-fusion: Robust linear-time image recovery from few severely corrupted copies. , 2015, , .		13

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37	Direction finding by complex L<inf>1</inf>-principal-component analysis. , 2015, , .		11
38	Optimal Algorithms for <formula formulatype="inline"> <tex Notation="TeX">L_{1}</tex></formula>-subspace Signal Processing. IEEE Transactions on Signal Processing, 2014, 62, 5046-5058.	3.2	140
39	Minimum-distortion data embedding in video streams. , 2014, , .		1
40	Joint channel estimation and data detection on commercially available underwater acoustic modems. , 2014, , .		2
41	Receiver configuration and testbed development for underwater cognitive channelization. , 2014, , .		20
42	Optimal multiuser spread-spectrum data embedding in video streams. , 2014, , .		0
43	Fastest-known near-ML decoding of golden codes. , 2014, , .		2
44	Fast computation of the L<inf>1</inf>-principal component of real-valued data. , 2014, , .		23
45	Hybrid-ARQ as a communications security measure. , 2014, , .		9
46	Advances in multiuser data embedding in digital media: Orthogonal sum-SINR-optimal carriers. , 2014, , .		3
47	All-Spectrum Cognitive Channelization around Narrowband and Wideband Primary Stations. , 2014, , .		0
48	Relay Location Optimization for Differential Amplify-and-Forward Cooperative Relaying. , 2014, , .		0
49	Securewaveforms for SISO channels. , 2013, , .		2
50	Toward a Preferred 4 x 4 Space-Time Block Code: A Performance-Versus-Complexity Sweet Spot with Linear-Filter Decoding. IEEE Transactions on Communications, 2013, 61, 1847-1855.	4.9	10
51	Fastest-Known Maximum-Likelihood Decoding of Quasi-Orthogonal STBCs with QAM Signals. IEEE Wireless Communications Letters, 2013, 2, 38-41.	3.2	6
52	Motion-Aware Decoding of Compressed-Sensed Video. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 438-444.	5.6	59
53	Extracting Spread-Spectrum Hidden Data From Digital Media. IEEE Transactions on Information Forensics and Security, 2013, 8, 1201-1210.	4.5	37
54	Waveform Design for Secure SISO Transmissions and Multicasting. IEEE Journal on Selected Areas in Communications, 2013, 31, 1864-1874.	9.7	34

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55	Short-data-record filtering of PN-masked data. , 2013, , .		2
56	Small-Sample-Support Suppression of Interference to PN-Masked Data. IEEE Transactions on Communications, 2013, 61, 2979-2987.	4.9	4
57	Optimal power assignment to minimize the average delay in hybrid-ARQ protocols. , 2012, , .		0
58	On the extraction of spread-spectrum hidden data in digital media. , 2012, , .		7
59	Uniquely decodable code-division via augmented Sylvester-Hadamard matrices. , 2012, , .		17
60	Makings of the 4 &#x00D7; 4 space-time block code of choice. , 2012, , .		0
61	Joint admission control and resource allocation in cognitive code-division networks. , 2012, , .		1
62	Bounds on the Maximum SINR of Binary and Quaternary Code Division. IEEE Transactions on Communications, 2012, 60, 14-18.	4.9	1
63	Optimal Orthogonal Carriers and Sum-SINR/Sum-Capacity of the Multiple-Access Vector Channel. IEEE Transactions on Communications, 2012, 60, 1188-1192.	4.9	8
64	Compressive Sampling With Generalized Polygons. IEEE Transactions on Signal Processing, 2011, 59, 4759-4766.	3.2	21
65	New Bounds and Optimal Binary Signature Sets - Part II: Aperiodic Total Squared Correlation. IEEE Transactions on Communications, 2011, 59, 1411-1420.	4.9	27
66	Passive spread-spectrum steganalysis. , 2011, , .		3
67	Motion compensation as sparsity-aware decoding in compressive video streaming. , 2011, , .		2
68	Spread-spectrum cognitive networking: Distributed channelization and routing. , 2011, , .		0
69	The Optimal Power Assignment for Cooperative Hybrid-ARQ Relaying Protocol. , 2011, , .		4
70	Fast Maximum-Likelihood Decoding of 4X4 Full-Diversity Quasi-Orthogonal STBCs with QAM Signals. , 2010, , .		1
71	The Average Total Power Consumption of Cooperative Hybrid-ARQ on Quasi-Static Rayleigh Fading Links. , 2010, , .		5
72	Compressed sensing using generalized polygon samplers. , 2010, , .		2

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73	Implementation of a Distributed Joint Routing and Dynamic Spectrum Allocation Algorithm on USRP2 Radios. , 2010, , .		8
74	New Bounds on the Total-Squared-Correlation of Quaternary Signature Sets and Optimal Designs. , 2009, , .		2
75	Cognitive CDMA channelization. , 2009, , .		6
76	Auxiliary-vector detection on measured radar data. , 2008, , .		2
77	Auxiliary-Vector RADAR on MCARM Data. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	1
78	PEP-Bound Rotation Angle Optimization of 8-Transmit-Antenna Quasi-Orthogonal Space-Time Block Codes. , 2007, , .		1
79	Population Size Identification for CDMA Eavesdropping. , 2007, , .		6
80	Cooperative Transmissions over Code Division Multiplexing Channels. , 2007, , .		0
81	Subspace Direction Finding With an Auxiliary-Vector Basis. IEEE Transactions on Signal Processing, 2007, 55, 758-763.	3.2	46
82	Upward scaling of minimum-TSC binary signature sets. IEEE Communications Letters, 2007, 11, 889-891.	2.5	2
83	Rank-2-Optimal Adaptive Design of Binary Spreading Codes. IEEE Transactions on Information Theory, 2007, 53, 3075-3080.	1.5	49
84	Supervised Phase Correction of Blind Space–Time DS-CDMA Channel Estimates. IEEE Transactions on Communications, 2007, 55, 584-592.	4.9	10
85	CTH06-5: Scalable TSC-Optimal Overloading of Binary Signature Sets. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	1
86	Code Division Multiplexing Properties of the Odd-length Minimum-TSC Binary Signature Sets. , 2006, , .		1
87	WLCp1-18: SINR-optimized Binary Signatures by Linear Search. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	1