

Antonio Ortega

List of Publications by Year in descending order

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412
papers

13,835
citations

94269

37
h-index

35952

97
g-index

417
all docs

417
docs citations

417
times ranked

5705
citing authors

#	ARTICLE	IF	CITATIONS
1	Learning Sparse Graph with Minimax Concave Penalty under Gaussian Markov Random Fields. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2023, E106.A, 23-34.	0.2	3
2	Pre-Demosaic Graph-Based Light Field Image Compression. IEEE Transactions on Image Processing, 2022, 31, 1816-1829.	6.0	4
3	Practical graph signal sampling with log-linear size scaling. Signal Processing, 2022, 194, 108436.	2.1	6
4	DCT and DST Filtering With Sparse Graph Operators. IEEE Transactions on Signal Processing, 2022, 70, 1641-1656.	3.2	2
5	Point Cloud Denoising Using Normal Vector-Based Graph Wavelet Shrinkage. , 2022, , .		2
6	Covariance Matrix Estimation With Non Uniform and Data Dependent Missing Observations. IEEE Transactions on Information Theory, 2021, 67, 1201-1215.	1.5	3
7	Laplacian networks: bounding indicator function smoothness for neural networks robustness. APSIPA Transactions on Signal and Information Processing, 2021, 10, .	2.6	6
8	Graph Learning and Augmentation Based Interpolation of Signal Strength for Location-Aware Communications. , 2021, , .		1
9	Estimating the COVID-19 Prevalence in Spain With Indirect Reporting via Open Surveys. Frontiers in Public Health, 2021, 9, 658544.	1.3	6
10	Control, intervention, and behavioral economics over human social networks against COVID-19. Advanced Robotics, 2021, 35, 733-739.	1.1	0
11	Symmetric Sub-graph Spatio-Temporal Graph Convolution and its application in Complex Activity Recognition. , 2021, , .		3
12	The CoronaSurveys System for COVID-19 Incidence Data Collection and Processing. Frontiers in Computer Science, 2021, 3, .	1.7	5
13	Orthogonality and Zero DC Tradeoffs in Biorthogonal Graph Filterbanks. , 2021, , .		2
14	Learning Sparse Graph Laplacian with K Eigenvector Prior via Iterative Glasso and Projection. , 2021, , .		2
15	Spectral Folding And Two-Channel Filter-Banks On Arbitrary Graphs. , 2021, , .		3
16	A Graph Learning Algorithm Based On Gaussian Markov Random Fields And Minimax Concave Penalty. , 2021, , .		4
17	Multi-Resolution Intra-Predictive Coding Of 3d Point Cloud Attributes. , 2021, , .		4
18	Symmetry-Based Graph Fourier Transforms: Are They Optimal For Image Compression?. , 2021, , .		2

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19	Representing Deep Neural Networks Latent Space Geometries with Graphs. Algorithms, 2021, 14, 39.	1.2	4
20	Region Adaptive Graph Fourier Transform for 3D Point Clouds. , 2020, , .		20
21	Graph-Based Transforms for Video Coding. IEEE Transactions on Image Processing, 2020, 29, 9330-9344.	6.0	22
22	Graph Vertex Sampling with Arbitrary Graph Signal Hilbert Spaces. , 2020, , .		7
23	Perceptually Inspired Weighted MSE Optimization Using Irregularity-Aware Graph Fourier Transform. , 2020, , .		7
24	Efficient Graph Construction For Image Representation. , 2020, , .		7
25	Sampling Signals on Graphs: From Theory to Applications. IEEE Signal Processing Magazine, 2020, 37, 14-30.	4.6	78
26	Deep Geometric Knowledge Distillation with Graphs. , 2020, , .		14
27	TACC: Topology-Aware Coded Computing for Distributed Graph Processing. IEEE Transactions on Signal and Information Processing Over Networks, 2020, 6, 508-525.	1.6	3
28	Graph Construction from Data by Non-Negative Kernel Regression. , 2020, , .		13
29	Graph-based skeleton data compression. , 2020, , .		3
30	Graph-based Deep Learning Analysis and Instance Selection. , 2020, , .		0
31	Toward Optimal Rate Allocation to Sampling Sets for Bandlimited Graph Signals. IEEE Signal Processing Letters, 2019, 26, 1364-1368.	2.1	8
32	Fast Graph Fourier Transforms Based on Graph Symmetry and Bipartition. IEEE Transactions on Signal Processing, 2019, 67, 4855-4869.	3.2	22
33	Robust Graph Signal Sampling. , 2019, , .		3
34	Lapped Transforms: A Graph-based Extension. , 2019, , .		1
35	Two-Channel Critically Sampled Graph Filter Banks With Spectral Domain Sampling. IEEE Transactions on Signal Processing, 2019, 67, 1447-1460.	3.2	33
36	Hand Graph Representations for Unsupervised Segmentation of Complex Activities. , 2019, , .		3

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37	Multi-Resolution Spectral Graph Matching. , 2019, , .		2
38	A Topology-aware Coding Framework for Distributed Graph Processing. , 2019, , .		2
39	Graph Learning From Filtered Signals: Graph System and Diffusion Kernel Identification. IEEE Transactions on Signal and Information Processing Over Networks, 2019, 5, 360-374.	1.6	34
40	Time-varying Graph Learning Based on Sparseness of Temporal Variation. , 2019, , .		28
41	M-Channel Graph Filter Banks: Polyphase Analysis and Structures. IEEE Signal Processing Letters, 2019, 26, 730-734.	2.1	4
42	Eigendecomposition-Free Sampling Set Selection for Graph Signals. IEEE Transactions on Signal Processing, 2019, 67, 2679-2692.	3.2	62
43	Upscaling of Geological Models of Oil Reservoirs with Unstructured Grids Using Lifting-Based Graph Wavelet Transforms. Transport in Porous Media, 2019, 127, 661-684.	1.2	18
44	An Efficient Algorithm for Graph Laplacian Optimization Based on Effective Resistances. , 2019, , .		2
45	Privacy-Aware Distributed Graph-Based Semi-Supervised Learning. , 2019, , .		2
46	Graph Based Skeleton Modeling for Human Activity Analysis. , 2019, , .		12
47	Coding of Image Intra Prediction Residuals Using Symmetric Graphs. , 2019, , .		2
48	A Sampling Theory Perspective of Graph-Based Semi-Supervised Learning. IEEE Transactions on Information Theory, 2019, 65, 2322-2342.	1.5	32
49	Optimized Update/Prediction Assignment for Lifting Transforms on Graphs. IEEE Transactions on Signal Processing, 2018, 66, 2098-2111.	3.2	0
50	Graph Signal Processing: Overview, Challenges, and Applications. Proceedings of the IEEE, 2018, 106, 808-828.	16.4	982
51	Applications of Graph Theory [Scanning the Issue]. Proceedings of the IEEE, 2018, 106, 784-786.	16.4	6
52	Learning Graphs With Monotone Topology Properties and Multiple Connected Components. IEEE Transactions on Signal Processing, 2018, 66, 2399-2413.	3.2	36
53	Directional Transforms for Video Coding Based on Lifting on Graphs. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 933-946.	5.6	15
54	Cascade and Lifting Structures in the Spectral Domain for Bipartite Graph Filter Banks. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
55	GRAPH VARIOGRAM: A NOVEL TOOL TO MEASURE SPATIAL STATIONARITY. , 2018, , .		1
56	Robust Denoising of Piece-Wise Smooth Manifolds. , 2018, , .		6
57	Efficient Worker Assignment in Crowdsourced Data Labeling Using Graph Signal Processing. , 2018, , .		1
58	Dynamic polygon clouds: representation and compression for VR/AR. APSIPA Transactions on Signal and Information Processing, 2018, 7, .	2.6	28
59	ON LEARNING LAPLACIANS OF TREE STRUCTURED GRAPHS. , 2018, , .		3
60	Active Covariance Estimation by Random Sub-Sampling of Variables. , 2018, , .		3
61	Critically-Sampled Graph Filter Banks with Spectral Domain Sampling. , 2018, , .		2
62	Symmetry-Based Graph Fourier Transforms for Image Representation. , 2018, , .		2
63	Irregularity-Aware Graph Fourier Transforms. IEEE Transactions on Signal Processing, 2018, 66, 5746-5761.	3.2	42
64	Efficient Rate-distortion Approximation and Transform Type Selection using Laplacian Operators. , 2018, , .		3
65	A Distance-Based Formulation for Sampling Signals on Graphs. , 2018, , .		5
66	Lifecycle Modeling for Buzz Temporal Pattern Discovery. ACM Transactions on Knowledge Discovery From Data, 2017, 11, 1-24.	2.5	7
67	Sparse inverse bilateral filters for image processing. , 2017, , .		3
68	Accelerated sensor position selection using graph localization operator. , 2017, , .		14
69	Object-Based High Contrast Traveltime Tomography. IEEE Transactions on Computational Imaging, 2017, 3, 738-748.	2.6	1
70	Critical sampling for wavelet filterbanks on arbitrary graphs. , 2017, , .		11
71	Disc-GLasso: Discriminative graph learning with sparsity regularization. , 2017, , .		8
72	Bipartite Approximation for Graph Wavelet Signal Decomposition. IEEE Transactions on Signal Processing, 2017, 65, 5466-5480.	3.2	35

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73	Grasp: A matlab toolbox for graph signal processing. , 2017, , .		10
74	Graph Learning From Data Under Laplacian and Structural Constraints. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 825-841.	7.3	236
75	Bipartite Graph Filter Banks: Polyphase Analysis and Generalization. IEEE Transactions on Signal Processing, 2017, 65, 4833-4846.	3.2	16
76	Hyperspectral image coding using graph wavelets. , 2017, , .		9
77	A graph laplacian matrix learning method for fast implementation of graph fourier transform. , 2017, , .		4
78	Pre-demosaic light field image compression using graph lifting transform. , 2017, , .		10
79	Learning separable transforms by inverse covariance estimation. , 2017, , .		4
80	Towards a definition of local stationarity for graph signals. , 2017, , .		4
81	Fast implementation for symmetric non-separable transforms based on grids. , 2017, , .		6
82	Tree-structured filter banks for M-block cyclic graphs. , 2017, , .		3
83	Learning graphs with monotone topology properties. , 2017, , .		0
84	Local stationarity of graph signals: insights and experiments. , 2017, , .		4
85	Symmetric line graph transforms for inter predictive video coding. , 2016, , .		10
86	Graph learning with Laplacian constraints: Modeling attractive Gaussian Markov random fields. , 2016, , .		9
87	Localization bounds for the graph translation. , 2016, , .		5
88	Geometric-guided label propagation for moving object detection. , 2016, , .		2
89	Moving object segmentation using depth and optical flow in car driving sequences. , 2016, , .		7
90	Manifold denoising based on spectral graph wavelets. , 2016, , .		21

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91	Generalized Laplacian precision matrix estimation for graph signal processing. , 2016, , .		73
92	Active learning for community detection in stochastic block models. , 2016, , .		5
93	Edge adaptive graph-based transforms: Comparison of step/ramp edge models for video compression. , 2016, , .		4
94	GBST: Separable transforms based on line graphs for predictive video coding. , 2016, , .		19
95	Plant-wide fault detection using graph signal processing. , 2016, , .		3
96	An optimization framework for combining multiple graphs. , 2016, , .		3
97	Bipartite subgraph decomposition for critically sampled wavelet filterbanks on arbitrary graphs. , 2016, , .		7
98	Compression of dynamic 3D point clouds using subdivisional meshes and graph wavelet transforms. , 2016, , .		29
99	Merge Frame Design for Video Stream Switching Using Piecewise Constant Functions. IEEE Transactions on Image Processing, 2016, 25, 3489-3504.	6.0	6
100	Active learning on weighted graphs using adaptive and non-adaptive approaches. , 2016, , .		4
101	Context adaptive thresholding and entropy coding for very low complexity JPEG transcoding. , 2016, , .		2
102	Efficient sensor position selection using graph signal sampling theory. , 2016, , .		29
103	Graph-based lifting transform for intra-predicted video coding. , 2016, , .		12
104	Efficient Sampling Set Selection for Bandlimited Graph Signals Using Graph Spectral Proxies. IEEE Transactions on Signal Processing, 2016, 64, 3775-3789.	3.2	276
105	Validation of Automated Mobility Assessment Using a Single 3D Sensor. Lecture Notes in Computer Science, 2016, , 162-177.	1.0	2
106	Redundant frame structure using M-frame for interactive light field streaming. , 2016, , .		6
107	Markov chain sparsification with independent sets for approximate value iteration. , 2015, , .		3
108	Designing sparse graphs via structure tensor for block transform coding of images. , 2015, , .		16

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109	Re-sampling and interpolation of DIBR-synthesized images using graph-signal smoothness prior. , 2015, , .		2
110	A probabilistic interpretation of sampling theory of graph signals. , 2015, , .		47
111	Graph-based transforms for inter predicted video coding. , 2015, , .		27
112	Asymptotic justification of bandlimited interpolation of graph signals for semi-supervised learning. , 2015, , .		10
113	GTT: Graph template transforms with applications to image coding. , 2015, , .		30
114	Edge-adaptive depth map coding with lifting transform on graphs. , 2015, , .		16
115	Multiresolution Graph Fourier Transform for Compression of Piecewise Smooth Images. IEEE Transactions on Image Processing, 2015, 24, 419-433.	6.0	157
116	Intra-Prediction and Generalized Graph Fourier Transform for Image Coding. IEEE Signal Processing Letters, 2015, 22, 1913-1917.	2.1	58
117	Graph-Based Representation for Multiview Image Geometry. IEEE Transactions on Image Processing, 2015, 24, 1573-1586.	6.0	25
118	Optimal graph laplacian regularization for natural image denoising. , 2015, , .		45
119	Depth Map Coding Optimization Using Rendered View Distortion for 3D Video Coding. IEEE Transactions on Image Processing, 2015, 24, 3534-3545.	6.0	31
120	Wavelet-based compressed spectrum sensing for cognitive radio wireless networks. , 2015, , .		5
121	Depth-assisted stereo video enhancement using graph-based approaches. , 2014, , .		3
122	Ups and Downs in Buzzes: Life Cycle Modeling for Temporal Pattern Discovery. , 2014, , .		8
123	Node clustering for data collection in wireless sensor networks using graph-transform and compressive sampling. , 2014, , .		1
124	Active semi-supervised learning using sampling theory for graph signals. , 2014, , .		88
125	Luminance coding in graph-based representation of multiview images. , 2014, , .		6
126	Gesture dynamics modeling for attitude analysis using graph based transform. , 2014, , .		5

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127	Graph-based approach for motion capture data representation and analysis. , 2014, , .		6
128	Towards a sampling theorem for signals on arbitrary graphs. , 2014, , .		135
129	Spectral anomaly detection using graph-based filtering for wireless sensor networks. , 2014, , .		60
130	A graph-based joint bilateral approach for depth enhancement. , 2014, , .		27
131	Quality metric for filter arrangement in a multispectral filter array. , 2013, , .		4
132	Bilateral filter: Graph spectral interpretation and extensions. , 2013, , .		52
133	Graph-based vs depth-based data representation for multiview images. , 2013, , .		1
134	Efficient data-gathering using graph-based transform and compressed sensing for irregularly positioned sensors. , 2013, , .		2
135	Compact Support Biorthogonal Wavelet Filterbanks for Arbitrary Undirected Graphs. IEEE Transactions on Signal Processing, 2013, 61, 4673-4685.	3.2	269
136	Multiview image coding using graph-based approach. , 2013, , .		3
137	The emerging field of signal processing on graphs: Extending high-dimensional data analysis to networks and other irregular domains. IEEE Signal Processing Magazine, 2013, 30, 83-98.	4.6	2,745
138	Rate-distortion optimized merge frame using piecewise constant functions. , 2013, , .		7
139	Intra predictive transform coding based on predictive graph transform. , 2013, , .		4
140	View synthesis prediction using adaptive depth quantization for 3D video coding. , 2013, , .		3
141	Critically sampled graph-based wavelet transforms for image coding. , 2013, , .		13
142	Hardware-driven compressive sampling for fast target localization using single-chip UWB radar sensor. , 2013, , .		0
143	Localized iterative methods for interpolation in graph structured data. , 2013, , .		84
144	Signal processing techniques for interpolation in graph structured data. , 2013, , .		156

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145	Expansion hole filling in depth-image-based rendering using graph-based interpolation. , 2013, , .		19
146	Edge-preserving intra depth coding based on context-coding and H.264/AVC. , 2013, , .		10
147	Optimization of wireless networks via graph interpolation. , 2013, , .		4
148	Inference of mobility patterns via Spectral Graph Wavelets. , 2013, , .		11
149	Graph-based representation and coding of multiview geometry. , 2013, , .		6
150	Filter optimization and complexity reduction for video coding using graph-based transforms. , 2013, , .		2
151	Depth Map Compression for Depth-Image-Based Rendering. , 2013, , 249-276.		2
152	Adaptive compressed sensing for depthmap compression using graph-based transform. , 2012, , .		8
153	Graph based transforms for depth video coding. , 2012, , .		40
154	Multi-dimensional separable critically sampled wavelet filterbanks on arbitrary graphs. , 2012, , .		7
155	Quality-optimized encoding of JPEG images using transform domain sparsification. , 2012, , .		0
156	Reduced dimension policy iteration for wireless network control via multiscale analysis. , 2012, , .		14
157	Online learning in wireless networks via directed graph lifting transform. , 2012, , .		3
158	Detecting Changes in DNA Copy Number: Reviewing signal processing techniques. IEEE Signal Processing Magazine, 2012, 29, 98-107.	4.6	16
159	Perfect Reconstruction Two-Channel Wavelet Filter Banks for Graph Structured Data. IEEE Transactions on Signal Processing, 2012, 60, 2786-2799.	3.2	466
160	A Framework for the Analysis and Optimization of Encoding Latency for Multiview Video. IEEE Journal on Selected Topics in Signal Processing, 2012, 6, 583-596.	7.3	7
161	An efficient compression method for one-shot multispectral camera. , 2012, , .		0
162	Graph-wavelet filterbanks for edge-aware image processing. , 2012, , .		31

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163	A novel adaptive Nyström approximation. , 2012, , .		0
164	Signal compression in wireless sensor networks. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 118-135.	1.6	40
165	Motion prediction of depth video for depth-image-based rendering using don't care regions. , 2012, , .		3
166	Pixel prediction by context based regression. , 2012, , .		1
167	Transform domain sparsification of depth maps using iterative quadratic programming. , 2011, , .		28
168	Lifting Transforms on Graphs for Video Coding. , 2011, , .		14
169	Sparsity-based retinal layer segmentation of optical coherence tomography images. , 2011, , .		0
170	Depth map coding using graph based transform and transform domain sparsification. , 2011, , .		27
171	Bioinformatics for Copy Number Variation Data. Methods in Molecular Biology, 2011, 719, 235-249.	0.4	4
172	On Dependent Bit Allocation for Multiview Image Coding With Depth-Image-Based Rendering. IEEE Transactions on Image Processing, 2011, 20, 3179-3194.	6.0	74
173	Level estimation for sparse reconstruction in discrete tomography. , 2011, , .		1
174	An Active Method for Characterization of Flow Units Between Injection/Production Wells by Injection-Rate Design. SPE Reservoir Evaluation and Engineering, 2011, 14, 433-445.	1.1	17
175	Dependent video coding using a tree representation of pixel dependencies. Proceedings of SPIE, 2011, , .	0.8	2
176	Interactive Streaming of Stored Multiview Video Using Redundant Frame Structures. IEEE Transactions on Image Processing, 2011, 20, 744-761.	6.0	92
177	Distributed transforms for efficient data gathering in arbitrary networks. , 2011, , .		1
178	3-D video quality improvement using depth transition data. , 2011, , .		2
179	Quantizer Design for Energy-Based Source Localization in Sensor Networks. IEEE Transactions on Signal Processing, 2011, 59, 5577-5588.	3.2	19
180	Video encoder based on lifting transforms on graphs. , 2011, , .		20

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181	Downsampling graphs using spectral theory. , 2011, , .		27
182	Detecting low-rate periodic events in Internet traffic using renewal theory. , 2011, , .		3
183	A graph-based approach for latency modeling and optimization in multiview video encoding. , 2011, , .		3
184	Graph based Partially Supervised Learning of documents. , 2011, , .		0
185	Optimizing frame structure for interactive multiview video streaming with viewsynthesis. , 2011, , .		3
186	Mapping data on a rotated grid in high-dimensions for lossless compression. , 2011, , .		0
187	On media data structures for interactive streaming in immersive applications. Proceedings of SPIE, 2010, , .	0.8	8
188	Improved video coding efficiency exploiting tree-based pixelwise coding dependencies. Proceedings of SPIE, 2010, , .	0.8	6
189	Distributed Encoding Algorithm for Source Localization in Sensor Networks. Eurasip Journal on Advances in Signal Processing, 2010, 2010, .	1.0	4
190	Local two-channel critically sampled filter-banks on graphs. , 2010, , .		29
191	MVMP: Multi-view Matching Pursuit with geometry constraints. , 2010, , .		0
192	Reconstruction algorithm for high contrast velocity travel time tomography. , 2010, , .		3
193	Rate-distortion based reconstruction optimization in distributed source coding for interactive multiview video streaming. , 2010, , .		3
194	Improved Internet traffic analysis via optimized sampling. , 2010, , .		2
195	Edge-adaptive transforms for efficient depth map coding. , 2010, , .		134
196	Unidirectional graph-based wavelet transforms for efficient data gathering in sensor networks. , 2010, , .		21
197	Edge-aware intra prediction for depth-map coding. , 2010, , .		40
198	Wavelet-based redundant representation for efficient random access of volumetric images. , 2010, , .		1

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199	Depth map coding with distortion estimation of rendered view. Proceedings of SPIE, 2010, , .	0.8	82
200	Socializing Digital Signal Processing [From the Editor. IEEE Signal Processing Magazine, 2010, 27, 2-119.	4.6	0
201	Transform-Based Distributed Data Gathering. IEEE Transactions on Signal Processing, 2010, 58, 3802-3815.	3.2	145
202	3-D video coding using depth transition data. , 2010, , .		7
203	Sparse recovery for discrete tomography. , 2010, , .		2
204	Optimization of Overlapped Tiling for Efficient 3D Image Retrieval. , 2010, , .		2
205	Challenges in multiview video — The 3 D'S. , 2010, , .		0
206	Sparse representation of depth maps for efficient transform coding. , 2010, , .		25
207	Distributed Compression of Hyperspectral Imagery. , 2009, , 269-292.		2
208	Performance evaluation of probability density estimators for unsupervised information theoretical region merging. , 2009, , .		1
209	Overlapped Tiling for Fast Random Oblique Plane Access of 3D Object Datasets. , 2009, , .		2
210	Tree-based wavelets for image coding: Orthogonalization and tree selection. , 2009, , .		12
211	Optimized frame structure using distributed source coding for interactive multiview video streaming. , 2009, , .		13
212	Microarray classification using block diagonal linear discriminant analysis with embedded feature selection. , 2009, , .		7
213	Quantization based nearest-neighbor-preserving metric approximation. , 2009, , .		1
214	Adaptive distributed transforms for irregularly sampled Wireless Sensor Networks. , 2009, , .		10
215	Energy-efficient graph-based wavelets for distributed coding in Wireless Sensor Networks. , 2009, , .		9
216	Joint estimation of copy number variation and reference intensities on multiple DNA arrays using GADA. Bioinformatics, 2009, 25, 1223-1230.	1.8	37

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217	Adaptive computation control of variable complexity fano decoders. IEEE Transactions on Communications, 2009, 57, 1556-1559.	4.9	9
218	Distributed source coding techniques for interactive multiview video streaming. , 2009, , .		44
219	You know it when you see it [From the Editor]. IEEE Signal Processing Magazine, 2009, 26, 2-3.	4.6	0
220	Depth map distortion analysis for view rendering and depth coding. , 2009, , .		117
221	Generation of redundant frame structure for interactive multiview streaming. , 2009, , .		18
222	Treelets as feature transformation tool for block diagonal linear discrimination. , 2009, , .		0
223	Edge-preserving depth-map coding using graph-based wavelets. , 2009, , .		27
224	Community Streaming With Interactive Visual Overlays: System and Optimization. IEEE Transactions on Multimedia, 2009, 11, 986-997.	5.2	2
225	Rate-Distortion Optimized Scheduling for Redundant Video Representations. IEEE Transactions on Image Processing, 2009, 18, 225-240.	6.0	12
226	Modeling of contours in wavelet domain for generalized lifting image compression. , 2009, , .		3
227	Overlapping tiling for fast random access of low-dimensional data from high-dimensional datasets. Proceedings of SPIE, 2009, , .	0.8	1
228	Comparative latency analysis for arbitrary multiview video prediction structures. Proceedings of SPIE, 2009, , .	0.8	3
229	Improving view rendering quality and coding efficiency by suppressing compression artifacts in depth-image coding. Proceedings of SPIE, 2009, , .	0.8	27
230	Spatially-Localized Compressed Sensing and Routing in Multi-hop Sensor Networks. Lecture Notes in Computer Science, 2009, , 11-20.	1.0	50
231	Distributed Network Configuration for Wavelet-Based Compression in Sensor Networks. Lecture Notes in Computer Science, 2009, , 1-10.	1.0	1
232	Sampling-Based Correlation Estimation for Distributed Source Coding Under Rate and Complexity Constraints. IEEE Transactions on Image Processing, 2008, 17, 2122-2137.	6.0	25
233	Bayesian detection of recurrent copy number alterations across multiple array samples. , 2008, , .		1
234	Motion compensation based on implicit block segmentation. , 2008, , .		20

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235	Compression algorithms for flexible video decoding. Proceedings of SPIE, 2008, , .	0.8	9
236	Sparse representation and Bayesian detection of genome copy number alterations from microarray data. Bioinformatics, 2008, 24, 309-318.	1.8	113
237	Adaptive reference filtering for bidirectional disparity compensation with focus mismatches. , 2008, , .		0
238	Coding structure optimization for interactive multiview streaming in virtual world observation. , 2008, , .		16
239	Joint Routing and 2D Transform Optimization for Irregular Sensor Network Grids Using Wavelet Lifting. , 2008, , .		13
240	Optimized distributed 2D transforms for irregularly sampled sensor network grids using wavelet lifting. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , .	1.8	32
241	Comopact image representation using wavelet lifting along arbitrary trees. , 2008, , .		9
242	Focus mismatches in multiview systems and efficient adaptive reference filtering for multiview video coding. Proceedings of SPIE, 2008, , .	0.8	3
243	<title>ECHO: a community video streaming system with interactive visual overlays</title>. , 2008, , .		3
244	Power Efficient Motion Estimation using Multiple Imprecise Metric Computations. , 2007, , .		3
245	Multiple View Region Matching as a Lagrangian Optimization Problem. , 2007, , .		0
246	Wavelet Footprints and Sparse Bayesian Learning for DNA Copy Number Change Analysis. , 2007, , .		13
247	Rate-Distortion Analysis and Bit Allocation Strategy for Motion Estimation at the Decoder using Maximum Likelihood Technique in Distributed Video Coding. , 2007, , .		4
248	Dynamic Voltage Scaling Algorithms for Power Constrained Motion Estimation. , 2007, , .		8
249	Flexible Video Decoding: A Distributed Source Coding Approach. , 2007, , .		17
250	Reduced-Complexity Delayed-Decision Algorithm for Context-Based Image Processing Systems. IEEE Transactions on Image Processing, 2007, 16, 1937-1945.	6.0	3
251	Adaptive filtering for cross-view prediction in multi-view video coding. , 2007, , .		4
252	Motion estimation performance models with application to hardware error tolerance. , 2007, , .		2

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253	Adaptive Filtering for Video Coding with Focus Change. , 2007, , .		4
254	New Coding Tools for Illumination and Focus Mismatch Compensation in Multiview Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 1519-1535.	5.6	38
255	Distance Quantization Method for Fast Nearest Neighbor Search Computations with applications to Motion Estimation. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	1
256	Mechanisms for Adapting Compressed Multimedia to Varying Bandwidth Conditions. , 2007, , 81-116.		5
257	Detecting and identifying malware: a new signal processing goal. IEEE Signal Processing Magazine, 2006, 23, 107-111.	4.6	12
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