

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	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
2	Graph Signal Processing: Overview, Challenges, and Applications. Proceedings of the IEEE, 2018, 106, 808-828.	16.4	982
3	Rate-distortion methods for image and video compression. IEEE Signal Processing Magazine, 1998, 15, 23-50.	4.6	639
4	Perfect Reconstruction Two-Channel Wavelet Filter Banks for Graph Structured Data. IEEE Transactions on Signal Processing, 2012, 60, 2786-2799.	3.2	466
5	Bit allocation for dependent quantization with applications to multiresolution and MPEG video coders. IEEE Transactions on Image Processing, 1994, 3, 533-545.	6.0	356
6	Efficient Sampling Set Selection for Bandlimited Graph Signals Using Graph Spectral Proxies. IEEE Transactions on Signal Processing, 2016, 64, 3775-3789.	3.2	276
7	Compact Support Biorthogonal Wavelet Filterbanks for Arbitrary Undirected Graphs. IEEE Transactions on Signal Processing, 2013, 61, 4673-4685.	3.2	269
8	Line-based, reduced memory, wavelet image compression. IEEE Transactions on Image Processing, 2000, 9, 378-389.	6.0	266
9	Multiresolution broadcast for digital HDTV using joint source/channel coding. IEEE Journal on Selected Areas in Communications, 1993, 11, 6-23.	9.7	245
10	Graph Learning From Data Under Laplacian and Structural Constraints. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 825-841.	7.3	236
11	Prognostic Significance of Gene Expression Profiles of Metastatic Neuroblastomas Lacking MYCN Gene Amplification. Journal of the National Cancer Institute, 2006, 98, 1193-1203.	3.0	212
12	VBR video: tradeoffs and potentials. Proceedings of the IEEE, 1998, 86, 952-973.	16.4	201
13	Bit-rate control using piecewise approximated rate-distortion characteristics. IEEE Transactions on Circuits and Systems for Video Technology, 1998, 8, 446-459.	5.6	196
14	Optimal trellis-based buffered compression and fast approximations. IEEE Transactions on Image Processing, 1994, 3, 26-40.	6.0	183
15	Rate control for robust video transmission over burst-error wireless channels. IEEE Journal on Selected Areas in Communications, 1999, 17, 756-773.	9.7	161
16	Multiresolution Graph Fourier Transform for Compression of Piecewise Smooth Images. IEEE Transactions on Image Processing, 2015, 24, 419-433.	6.0	157
17	Signal processing techniques for interpolation in graph structured data. , 2013, , .		156
18	Transform-Based Distributed Data Gathering. IEEE Transactions on Signal Processing, 2010, 58, 3802-3815.	3.2	145

#	ARTICLE	IF	CITATIONS
19	Towards a sampling theorem for signals on arbitrary graphs. , 2014, , .		135
20	Edge-adaptive transforms for efficient depth map coding. , 2010, , .		134
21	Joint selection of source and channel rate for VBR video transmission under ATM policing constraints. IEEE Journal on Selected Areas in Communications, 1997, 15, 1016-1028.	9.7	124
22	Depth map distortion analysis for view rendering and depth coding. , 2009, , .		117
23	Sparse representation and Bayesian detection of genome copy number alterations from microarray data. Bioinformatics, 2008, 24, 309-318.	1.8	113
24	<title>Multiple description coding via polyphase transform and selective quantization</title>. , 1998, , .		102
25	Interactive Streaming of Stored Multiview Video Using Redundant Frame Structures. IEEE Transactions on Image Processing, 2011, 20, 744-761.	6.0	92
26	Active semi-supervised learning using sampling theory for graph signals. , 2014, , .		88
27	Energy-efficient data representation and routing for wireless sensor networks based on a distributed wavelet compression algorithm. , 2006, , .		85
28	Efficient context-based entropy coding for lossy wavelet image compression. , 0, , .		84
29	Localized iterative methods for interpolation in graph structured data. , 2013, , .		84
30	Depth map coding with distortion estimation of rendered view. Proceedings of SPIE, 2010, , .	0.8	82
31	Sampling Signals on Graphs: From Theory to Applications. IEEE Signal Processing Magazine, 2020, 37, 14-30.	4.6	78
32	Scalable Variable Complexity Approximate Forward DCT. IEEE Transactions on Circuits and Systems for Video Technology, 2004, 14, 1236-1248.	5.6	75
33	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
34	A comparison of different haptic compression techniques. , 0, , .		73
35	Generalized Laplacian precision matrix estimation for graph signal processing. , 2016, , .		73
36	Lifting factorization-based discrete wavelet transform architecture design. IEEE Transactions on Circuits and Systems for Video Technology, 2001, 11, 651-657.	5.6	67

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37	Scalable proxy caching of video under storage constraints. IEEE Journal on Selected Areas in Communications, 2002, 20, 1315-1327.	9.7	67
38	Eigendecomposition-Free Sampling Set Selection for Graph Signals. IEEE Transactions on Signal Processing, 2019, 67, 2679-2692.	3.2	62
39	Spectral anomaly detection using graph-based filtering for wireless sensor networks. , 2014, , .		60
40	Intra-Prediction and Generalized Graph Fourier Transform for Image Coding. IEEE Signal Processing Letters, 2015, 22, 1913-1917.	2.1	58
41	Image subband coding using context-based classification and adaptive quantization. IEEE Transactions on Image Processing, 1999, 8, 1702-1715.	6.0	57
42	Analysis and testing for error tolerant motion estimation. , 0, , .		57
43	Overlapped block disparity compensation with adaptive windows for stereo image coding. IEEE Transactions on Circuits and Systems for Video Technology, 2000, 10, 194-200.	5.6	54
44	Adaptive scalar quantization without side information. IEEE Transactions on Image Processing, 1997, 6, 665-676.	6.0	52
45	Bilateral filter: Graph spectral interpretation and extensions. , 2013, , .		52
46	Hardware testing for error tolerant multimedia compression based on linear transforms. , 0, , .		51
47	A novel approach of image compression in digital cameras with a Bayer color filter array. , 0, , .		50
48	Spatially-Localized Compressed Sensing and Routing in Multi-hop Sensor Networks. Lecture Notes in Computer Science, 2009, , 11-20.	1.0	50
49	Optimal scheduling for streaming of scalable media. , 0, , .		48
50	A probabilistic interpretation of sampling theory of graph signals. , 2015, , .		47
51	Optimal graph laplacian regularization for natural image denoising. , 2015, , .		45
52	Probabilistic partial-distance fast matching algorithms for motion estimation. IEEE Transactions on Circuits and Systems for Video Technology, 2001, 11, 139-152.	5.6	44
53	Distributed source coding techniques for interactive multiview video streaming. , 2009, , .		44
54	Efficient wavelet-based predictive Slepian-Wolf coding for hyperspectral imagery. Signal Processing, 2006, 86, 3180-3195.	2.1	43

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55	Optimal blockwise dependent quantization for stereo image coding. IEEE Transactions on Circuits and Systems for Video Technology, 1999, 9, 861-867.	5.6	42
56	Irregularity-Aware Graph Fourier Transforms. IEEE Transactions on Signal Processing, 2018, 66, 5746-5761.	3.2	42
57	A distributed wavelet compression algorithm for wireless sensor networks using lifting. , 0, , .		41
58	Edge-aware intra prediction for depth-map coding. , 2010, , .		40
59	Graph based transforms for depth video coding. , 2012, , .		40
60	Signal compression in wireless sensor networks. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2012, 370, 118-135.	1.6	40
61	Stochastic rate-control of video coders for wireless channels. IEEE Transactions on Circuits and Systems for Video Technology, 2002, 12, 496-510.	5.6	38
62	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
63	From Rate-distortion Theory To Commercial Image and Video Compression Technology. IEEE Signal Processing Magazine, 1998, 15, 20-22.	4.6	37
64	Efficient Inter-Band Prediction and Wavelet Based Compression for Hyperspectral Imagery: A Distributed Source Coding Approach. , 0, , .		37
65	Joint estimation of copy number variation and reference intensities on multiple DNA arrays using GADA. Bioinformatics, 2009, 25, 1223-1230.	1.8	37
66	<title>Rate control using spline-interpolated R-D characteristics</title>. , 1996, , .		36
67	Learning Graphs With Monotone Topology Properties and Multiple Connected Components. IEEE Transactions on Signal Processing, 2018, 66, 2399-2413.	3.2	36
68	Bipartite Approximation for Graph Wavelet Signal Decomposition. IEEE Transactions on Signal Processing, 2017, 65, 5466-5480.	3.2	35
69	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
70	A Framework for Adaptive Scalable Video Coding Using Wyner-Ziv Techniques. Eurasip Journal on Advances in Signal Processing, 2006, 2006, 1.	1.0	33
71	Two-Channel Critically Sampled Graph Filter Banks With Spectral Domain Sampling. IEEE Transactions on Signal Processing, 2019, 67, 1447-1460.	3.2	33
72	Optimal bit allocation under multiple rate constraints. , 0, , .		32

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73	<title>Stereo image compression with disparity compensation using the MRF model</title>. , 1996, , .		32
74	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
75	A Sampling Theory Perspective of Graph-Based Semi-Supervised Learning. IEEE Transactions on Information Theory, 2019, 65, 2322-2342.	1.5	32
76	Graph-wavelet filterbanks for edge-aware image processing. , 2012, , .		31
77	Depth Map Coding Optimization Using Rendered View Distortion for 3D Video Coding. IEEE Transactions on Image Processing, 2015, 24, 3534-3545.	6.0	31
78	Rate control for video coding over variable bit rate channels with applications to wireless transmission. , 0, , .		30
79	Soft caching: web cache management techniques for images. , 0, , .		30
80	GTT: Graph template transforms with applications to image coding. , 2015, , .		30
81	Local two-channel critically sampled filter-banks on graphs. , 2010, , .		29
82	Compression of dynamic 3D point clouds using subdivisional meshes and graph wavelet transforms. , 2016, , .		29
83	Efficient sensor position selection using graph signal sampling theory. , 2016, , .		29
84	Transform domain sparsification of depth maps using iterative quadratic programming. , 2011, , .		28
85	Dynamic polygon clouds: representation and compression for VR/AR. APSIPA Transactions on Signal and Information Processing, 2018, 7, .	2.6	28
86	Time-varying Graph Learning Based on Sparseness of Temporal Variation. , 2019, , .		28
87	Edge-preserving depth-map coding using graph-based wavelets. , 2009, , .		27
88	Improving view rendering quality and coding efficiency by suppressing compression artifacts in depth-image coding. Proceedings of SPIE, 2009, , .	0.8	27
89	Depth map coding using graph based transform and transform domain sparsification. , 2011, , .		27
90	Downsampling graphs using spectral theory. , 2011, , .		27

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91	A graph-based joint bilateral approach for depth enhancement. , 2014, , .		27
92	Graph-based transforms for inter predicted video coding. , 2015, , .		27
93	Multiple description speech coding for robust communication over lossy packet networks. , 0, , .		26
94	Bit allocation for dependent quantization with applications to MPEG video coders. , 1993, , .		25
95	<title>Comparison of multiple-description coding and layered coding based on network simulations</title>. , 2000, , .		25
96	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
97	Sparse representation of depth maps for efficient transform coding. , 2010, , .		25
98	Graph-Based Representation for Multiview Image Geometry. IEEE Transactions on Image Processing, 2015, 24, 1573-1586.	6.0	25
99	Line based reduced memory, wavelet image compression. , 0, , .		24
100	DCT computation based on variable complexity fast approximations. , 0, , .		23
101	Rate-distortion optimization in a robust video transmission based on unbalanced multiple description coding. , 0, , .		23
102	Unbalanced Multiple-Description Video Coding with Rate-Distortion Optimization. Eurasip Journal on Advances in Signal Processing, 2003, 2003, 1.	1.0	23
103	Efficient quantization for overcomplete expansions in ℓ_1 . IEEE Transactions on Information Theory, 2003, 49, 129-150.	1.5	22
104	Application-specific compression for time delay estimation in sensor networks. , 2003, , .		22
105	Fast Graph Fourier Transforms Based on Graph Symmetry and Bipartition. IEEE Transactions on Signal Processing, 2019, 67, 4855-4869.	3.2	22
106	Graph-Based Transforms for Video Coding. IEEE Transactions on Image Processing, 2020, 29, 9330-9344.	6.0	22
107	Unidirectional graph-based wavelet transforms for efficient data gathering in sensor networks. , 2010, , .		21
108	Manifold denoising based on spectral graph wavelets. , 2016, , .		21

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109	Motion compensation based on implicit block segmentation. , 2008, , .		20
110	Video encoder based on lifting transforms on graphs. , 2011, , .		20
111	Region Adaptive Graph Fourier Transform for 3D Point Clouds. , 2020, , .		20
112	Quantizer Design for Energy-Based Source Localization in Sensor Networks. IEEE Transactions on Signal Processing, 2011, 59, 5577-5588.	3.2	19
113	Expansion hole filling in depth-image-based rendering using graph-based interpolation. , 2013, , .		19
114	GBST: Separable transforms based on line graphs for predictive video coding. , 2016, , .		19
115	Optimal buffer-constrained source quantization and fast approximations. , 0, , .		18
116	Design and implementation of a soft caching proxy. Computer Networks, 1998, 30, 2113-2121.	1.0	18
117	Generation of redundant frame structure for interactive multiview streaming. , 2009, , .		18
118	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
119	Embedded image-domain adaptive compression of simple images. , 0, , .		17
120	Flexible Video Decoding: A Distributed Source Coding Approach. , 2007, , .		17
121	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
122	Efficient scalable encoding for distributed speech recognition. Speech Communication, 2006, 48, 888-902.	1.6	16
123	Coding structure optimization for interactive multiview streaming in virtual world observation. , 2008, , .		16
124	Detecting Changes in DNA Copy Number: Reviewing signal processing techniques. IEEE Signal Processing Magazine, 2012, 29, 98-107.	4.6	16
125	Designing sparse graphs via structure tensor for block transform coding of images. , 2015, , .		16
126	Edge-adaptive depth map coding with lifting transform on graphs. , 2015, , .		16

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127	Bipartite Graph Filter Banks: Polyphase Analysis and Generalization. IEEE Transactions on Signal Processing, 2017, 65, 4833-4846.	3.2	16
128	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
129	<title>Stereo image compression based on disparity field segmentation</title>. , 1997, , .		14
130	Lifting Transforms on Graphs for Video Coding. , 2011, , .		14
131	Reduced dimension policy iteration for wireless network control via multiscale analysis. , 2012, , .		14
132	Accelerated sensor position selection using graph localization operator. , 2017, , .		14
133	Deep Geometric Knowledge Distillation with Graphs. , 2020, , .		14
134	Energy-efficient data representation and routing for wireless sensor networks based on a distributed wavelet compression algorithm. , 2006, , .		14
135	Wavelet Footprints and Sparse Bayesian Learning for DNA Copy Number Change Analysis. , 2007, , .		13
136	Joint Routing and 2D Transform Optimization for Irregular Sensor Network Grids Using Wavelet Lifting. , 2008, , .		13
137	Optimized frame structure using distributed source coding for interactive multiview video streaming. , 2009, , .		13
138	Critically sampled graph-based wavelet transforms for image coding. , 2013, , .		13
139	Graph Construction from Data by Non-Negative Kernel Regression. , 2020, , .		13
140	Distortion/decoding time tradeoffs in software DCT-based image coding. , 0, , .		12
141	Joint source channel coding with hybrid FEC/ARQ for buffer constrained video transmission. , 0, , .		12
142	Detecting and identifying malware: a new signal processing goal. IEEE Signal Processing Magazine, 2006, 23, 107-111.	4.6	12
143	Computation Error Tolerance in Motion Estimation Algorithms. , 2006, , .		12
144	Tree-based wavelets for image coding: Orthogonalization and tree selection. , 2009, , .		12

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145	Rate-Distortion Optimized Scheduling for Redundant Video Representations. IEEE Transactions on Image Processing, 2009, 18, 225-240.	6.0	12
146	Graph-based lifting transform for intra-predicted video coding. , 2016, , .		12
147	Graph Based Skeleton Modeling for Human Activity Analysis. , 2019, , .		12
148	<title>Rate control for robust video transmission over wireless channels</title>. , 1997, 3024, 1200.		11
149	<title>DCT computation with minimal average number of operations</title>. , 1997, 3024, 71.		11
150	An iterative algorithm for two-dimensional digital least metric problems with applications to digital image compression. , 0, , .		11
151	Inference of mobility patterns via Spectral Graph Wavelets. , 2013, , .		11
152	Critical sampling for wavelet filterbanks on arbitrary graphs. , 2017, , .		11
153	Adaptive quantization without side information. , 0, , .		10
154	Adaptive quantization of image subbands with efficient overhead rate selection. , 0, , .		10
155	Erasure recovery in predictive coding environments using multiple description coding. , 1999, , .		10
156	Computationally scalable partial distance based fast search motion estimation. , 0, , .		10
157	Next generation techniques for robust and imperceptible audio data hiding. , 0, , .		10
158	Fast long-term motion estimation for H.264 using multiresolution search. , 0, , .		10
159	Robust video communication by combining scalability and multiple description coding techniques. , 2003, , .		10
160	Quantizer Design for Source Localization in Sensor Networks. , 0, , .		10
161	dsp Forum - Future of Video Coding and Transmission. IEEE Signal Processing Magazine, 2006, 23, 76-82.	4.6	10
162	Predictive fast motion/disparity search for multiview video coding. , 2006, , .		10

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163	Video compression with flexible playback order based on distributed source coding. , 2006, 6077, 254.		10
164	An Efficient and Highly Parallel Hyperspectral Imagery Compression Scheme Based on Distributed Source Coding. , 2006, , .		10
165	Adaptive distributed transforms for irregularly sampled Wireless Sensor Networks. , 2009, , .		10
166	Edge-preserving intra depth coding based on context-coding and H.264/AVC. , 2013, , .		10
167	Asymptotic justification of bandlimited interpolation of graph signals for semi-supervised learning. , 2015, , .		10
168	Symmetric line graph transforms for inter predictive video coding. , 2016, , .		10
169	Grasp: A matlab toolbox for graph signal processing. , 2017, , .		10
170	Pre-demosaic light field image compression using graph lifting transform. , 2017, , .		10
171	A framework for optimization of a multiresolution remote image retrieval system. , 0, , .		9
172	<title>Forward-adaptive quantization with optimal overhead cost for image and video coding with applications to MPEG video coders</title>. , 1995, , .		9
173	Stereo image coding using hierarchical MRF model and selective overlapped block disparity compensation. , 1999, , .		9
174	Optimal rate control for video transmission over VBR channels based on a hybrid MMAX/MMSE criterion. , 0, , .		9
175	Compression algorithms for flexible video decoding. Proceedings of SPIE, 2008, , .	0.8	9
176	Comopact image representation using wavelet lifting along arbitrary trees. , 2008, , .		9
177	Energy-efficient graph-based wavelets for distributed coding in Wireless Sensor Networks. , 2009, , .		9
178	Adaptive computation control of variable complexity fano decoders. IEEE Transactions on Communications, 2009, 57, 1556-1559.	4.9	9
179	Graph learning with Laplacian constraints: Modeling attractive Gaussian Markov random fields. , 2016, , .		9
180	Hyperspectral image coding using graph wavelets. , 2017, , .		9

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181	<title>Gradient-based buffer control technique for MPEG</title>. , 1995, , .		8
182	A gradient-based rate control algorithm with applications to MPEG video. , 0, , .		8
183	Optimal segmentation of a VBR source for its parallel transmission over multiple ATM connections. , 0, , .		8
184	Complexity-distortion tradeoffs in vector matching based on probabilistic partial distance techniques. , 1999, , .		8
185	Rate-complexity-distortion optimization for quadtree-based DCT coding. , 0, , .		8
186	A Dynamic Programming Approach to Distortion-Energy Optimization for Distributed Wavelet Compression with Applications to Data Gathering Inwireless Sensor Networks. , 0, , .		8
187	Maximum a Posteriori (MAP)-Based Algorithm For Distributed Source Localization Using Quantized Acoustic Sensor Readings. , 0, , .		8
188	Dynamic Voltage Scaling Algorithms for Power Constrained Motion Estimation. , 2007, , .		8
189	On media data structures for interactive streaming in immersive applications. Proceedings of SPIE, 2010, , .	0.8	8
190	Adaptive compressed sensing for depthmap compression using graph-based transform. , 2012, , .		8
191	Ups and Downs in Buzzes: Life Cycle Modeling for Temporal Pattern Discovery. , 2014, , .		8
192	Disc-GLasso: Discriminative graph learning with sparsity regularization. , 2017, , .		8
193	Toward Optimal Rate Allocation to Sampling Sets for Bandlimited Graph Signals. IEEE Signal Processing Letters, 2019, 26, 1364-1368.	2.1	8
194	<title>Cubic spline approximation of rate and distortion functions for MPEG video</title>. , 1996, , .		7
195	Perceptually based video rate control using pre-filtering and predicted rate-distortion characteristics. , 0, , .		7
196	A Lagrangian optimization approach to rate control for delay-constrained video transmission over burst-error channels. , 0, , .		7
197	<title>Dependent quantization for stereo image coding</title>. , 1998, , .		7
198	Coding techniques for oversampled steerable transforms. , 0, , .		7

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199	<title>Implementations of the discrete wavelet transform: complexity, memory, and parallelization issues</title>. , 1999, 3813, 386.		7
200	<title>Optimal bit allocation for channel-adaptive multiple description coding</title>. , 2000, 3974, 53.		7
201	High capacity audio data hiding for noisy channels. , 0, , .		7
202	Microarray classification using block diagonal linear discriminant analysis with embedded feature selection. , 2009, , .		7
203	3-D video coding using depth transition data. , 2010, , .		7
204	Multi-dimensional separable critically sampled wavelet filterbanks on arbitrary graphs. , 2012, , .		7
205	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
206	Rate-distortion optimized merge frame using piecewise constant functions. , 2013, , .		7
207	Lifecycle Modeling for Buzz Temporal Pattern Discovery. ACM Transactions on Knowledge Discovery From Data, 2017, 11, 1-24.	2.5	7
208	Moving object segmentation using depth and optical flow in car driving sequences. , 2016, , .		7
209	Bipartite subgraph decomposition for critically sampled wavelet filterbanks on arbitrary graphs. , 2016, , .		7
210	Graph Vertex Sampling with Arbitrary Graph Signal Hilbert Spaces. , 2020, , .		7
211	Perceptually Inspired Weighted MSE Optimization Using Irregularity-Aware Graph Fourier Transform. , 2020, , .		7
212	Efficient Graph Construction For Image Representation. , 2020, , .		7
213	Soft caching: image caching in a rate-distortion framework. , 0, , .		6
214	Implementation of optimized cache replenishment algorithms in a soft caching system. , 0, , .		6
215	Towards efficient and scalable speech compression schemes for robust speech recognition applications. , 0, , .		6
216	Scalable predictive coding by nested quantization with layered side information. , 0, , .		6

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217	Reduced-Complexity Deterministic Annealing for Vector Quantizer Design. Eurasip Journal on Advances in Signal Processing, 2005, 2005, 1.	1.0	6
218	Motion Estimation at the Decoder Using Maximum Likelihood Techniques for Distributed Video Coding. , 0, , .		6
219	Improved video coding efficiency exploiting tree-based pixelwise coding dependencies. Proceedings of SPIE, 2010, , .	0.8	6
220	Graph-based representation and coding of multiview geometry. , 2013, , .		6
221	Luminance coding in graph-based representation of multiview images. , 2014, , .		6
222	Graph-based approach for motion capture data representation and analysis. , 2014, , .		6
223	Merge Frame Design for Video Stream Switching Using Piecewise Constant Functions. IEEE Transactions on Image Processing, 2016, 25, 3489-3504.	6.0	6
224	Fast implementation for symmetric non-separable transforms based on grids. , 2017, , .		6
225	Applications of Graph Theory [Scanning the Issue]. Proceedings of the IEEE, 2018, 106, 784-786.	16.4	6
226	Robust Denoising of Piece-Wise Smooth Manifolds. , 2018, , .		6
227	Laplacian networks: bounding indicator function smoothness for neural networks robustness. APSIPA Transactions on Signal and Information Processing, 2021, 10, .	2.6	6
228	Estimating the COVID-19 Prevalence in Spain With Indirect Reporting via Open Surveys. Frontiers in Public Health, 2021, 9, 658544.	1.3	6
229	Joint Encoder and VBR Channel Optimization with Buffer and Leaky Bucket Constraints. , 1996, , 409-417.		6
230	Redundant frame structure using M-frame for interactive light field streaming. , 2016, , .		6
231	Practical graph signal sampling with log-linear size scaling. Signal Processing, 2022, 194, 108436.	2.1	6
232	Rate constraints for video transmission over atm networks based on joint source/network criteria. Annales Des Telecommunications/Annals of Telecommunications, 1995, 50, 603-616.	1.6	5
233	<title>Parallel architecture for the discrete wavelet transform based on the lifting factorization</title>. , 1999, , .		5
234	Complexity-scalable transform coding using variable complexity algorithms. , 0, , .		5

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235	Efficient quantization for overcomplete expansions in \mathbb{R}^N . , 0, , .		5
236	Buffer control for variable complexity Fano decoders. , 0, , .		5
237	Entropy- and complexity-constrained classified quantizer design for distributed image classification. , 0, , .		5
238	Dependent bit allocation in multiview video coding. , 2005, , .		5
239	A Distributed Wavelet Compression Algorithm for Wireless Multihop Sensor Networks Using Lifting. , 0, , .		5
240	A Model-Based Approach to Correlation Estimation Inwavelet-Based Distributed Source Coding with Application to Hyperspectral Imagery. , 2006, , .		5
241	Gesture dynamics modeling for attitude analysis using graph based transform. , 2014, , .		5
242	Wavelet-based compressed spectrum sensing for cognitive radio wireless networks. , 2015, , .		5
243	Localization bounds for the graph translation. , 2016, , .		5
244	Active learning for community detection in stochastic block models. , 2016, , .		5
245	A Distance-Based Formulation for Sampling Signals on Graphs. , 2018, , .		5
246	The CoronaSurveys System for COVID-19 Incidence Data Collection and Processing. <i>Frontiers in Computer Science</i> , 2021, 3, .	1.7	5
247	Mechanisms for Adapting Compressed Multimedia to Varying Bandwidth Conditions. , 2007, , 81-116.		5
248	<title>Modeling and optimization of a multiresolution remote image retrieval system</title>. , 1994, 2186, 185.		4
249	Forward/backward adaptive context selection with applications to motion vector field encoding. , 0, , .		4
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