

# Antonio Ortega

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/192658/publications.pdf>

Version: 2024-02-01

412  
papers

13,835  
citations

94381

37  
h-index

36008

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         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 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         |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 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        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 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        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 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        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 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         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 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       |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 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        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 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        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 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         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 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 &#x2014; 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        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 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        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 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         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 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        |
| 258 | dsp Forum - Future of Video Coding and Transmission. IEEE Signal Processing Magazine, 2006, 23, 76-82.   | 4.6 | 10        |
| 259 | Predictive fast motion/disparity search for multiview video coding. , 2006, , .  |     | 10        |
| 260 | A Framework for Adaptive Scalable Video Coding Using Wyner-Ziv Techniques. Eurasip Journal on Advances in Signal Processing, 2006, 2006, 1.  | 1.0 | 33        |
| 261 | Video compression with flexible playback order based on distributed source coding. , 2006, 6077, 254.  |     | 10        |
| 262 | Efficient wavelet-based predictive Slepian-Wolf coding for hyperspectral imagery. Signal Processing, 2006, 86, 3180-3195.  | 2.1 | 43        |
| 263 | Efficient scalable encoding for distributed speech recognition. Speech Communication, 2006, 48, 888-902.   | 1.6 | 16        |
| 264 | Energy-efficient data representation and routing for wireless sensor networks based on a distributed wavelet compression algorithm. , 2006, , .  |     | 85        |
| 265 | Quantization-based probabilistic feature modeling for kernel design in content-based image retrieval. , 2006, , .  |     | 4         |
| 266 | 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       |
| 267 | A Model-Based Approach to Correlation Estimation Inwavelet-Based Distributed Source Coding with Application to Hyperspectral Imagery. , 2006, , .  |     | 5         |
| 268 | Computation Error Tolerance in Motion Estimation Algorithms. , 2006, , .   |     | 12        |
| 269 | An Efficient and Highly Parallel Hyperspectral Imagery Compression Scheme Based on Distributed Source Coding. , 2006, , .  |     | 10        |
| 270 | Energy-efficient data representation and routing for wireless sensor networks based on a distributed wavelet compression algorithm. , 2006, , .  |     | 14        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 271 | Reduced-Complexity Deterministic Annealing for Vector Quantizer Design. <i>Eurasip Journal on Advances in Signal Processing</i> , 2005, 2005, 1.         | 1.0 | 6         |
| 272 | Rate-distortion-based scheduling of video with multiple decoding paths. , 2005, , .  |     | 1         |
| 273 | Video coding scheme using irregular binning and iterative decoding. , 2005, , .  |     | 0         |
| 274 | Correlation estimation for distributed source coding under information exchange constraints. , 2005, , .   |     | 4         |
| 275 | Dependent bit allocation in multiview video coding. , 2005, , .  |     | 5         |
| 276 | Scalable Variable Complexity Approximate Forward DCT. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2004, 14, 1236-1248.       | 5.6 | 75        |
| 277 | Introduction to the Special Issue on Streaming Media. <i>IEEE Transactions on Multimedia</i> , 2004, 6, 225-229.   | 5.2 | 2         |
| 278 | Consistent Estimation of Erased Data in a DPCM Based Multiple Description Coding System. <i>Journal of Signal Processing Systems</i> , 2003, 34, 9-28.   | 1.0 | 1         |
| 279 | Efficient quantization for overcomplete expansions in $\ell_1$ norm. <i>IEEE Transactions on Information Theory</i> , 2003, 49, 129-150.                 | 1.5 | 22        |
| 280 | Estimation of erased data in a H.263 coded stream by using unbalanced multiple description coding. , 2003, , .   |     | 4         |
| 281 | Message-passing algorithm for two-dimensional dependent bit allocation. , 2003, , .  |     | 0         |
| 282 | Optimal rate control for video coding based on a hybrid MMSE/MMSE criterion. , 2003, , .   |     | 0         |
| 283 | Robust video communication by combining scalability and multiple description coding techniques. , 2003, , .  |     | 10        |
| 284 | Model-based digital image halftoning using iterative reduced-complexity grid message-passing algorithm. , 2003, , .                                      |     | 1         |
| 285 | Unbalanced Multiple-Description Video Coding with Rate-Distortion Optimization. <i>Eurasip Journal on Advances in Signal Processing</i> , 2003, 2003, 1. | 1.0 | 23        |
| 286 | Application-specific compression for time delay estimation in sensor networks. , 2003, , .   |     | 22        |
| 287 | Low-complexity motion estimation for long-term memory motion compensation. , 2002, , .   |     | 2         |
| 288 | Scalable proxy caching of video under storage constraints. <i>IEEE Journal on Selected Areas in Communications</i> , 2002, 20, 1315-1327.                | 9.7 | 67        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 289 | 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        |
| 290 | Lifting factorization-based discrete wavelet transform architecture design. IEEE Transactions on Circuits and Systems for Video Technology, 2001, 11, 651-657.            | 5.6 | 67        |
| 291 | A novel packet loss recovery technique for multimedia communication. , 2001, , .  |     | 1         |
| 292 | Analytical model-based bit allocation for wavelet coding with applications to multiple description coding and region of interest coding. , 2001, , .                      |     | 1         |
| 293 | 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        |
| 294 | <title>Online rate control in digital cameras for near-constant distortion based on minimum/maximum criterion</title>. , 2000, , .  |     | 1         |
| 295 | <title>Optimal bit allocation for channel-adaptive multiple description coding</title>. , 2000, 3974, 53.   |     | 7         |
| 296 | <title>Comparison of multiple-description coding and layered coding based on network simulations</title>. , 2000, , .   |     | 25        |
| 297 | Line-based, reduced memory, wavelet image compression. IEEE Transactions on Image Processing, 2000, 9, 378-389.   | 6.0 | 266       |
| 298 | 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        |
| 299 | <title>FPGA-based parallel implementation for the lifting discrete wavelet transform</title>. , 2000, , .   |     | 1         |
| 300 | <title>Joint compression-classification with quantizer/classifier dimension mismatch</title>. , 2000, , .   |     | 3         |
| 301 | Multiple description coding via scaling-rotation transform. , 1999, , .   |     | 4         |
| 302 | <title>Parallel architecture for the discrete wavelet transform based on the lifting factorization</title>. , 1999, , .   |     | 5         |
| 303 | Complexity-distortion tradeoffs in vector matching based on probabilistic partial distance techniques. , 1999, , .  |     | 8         |
| 304 | Image subband coding using context-based classification and adaptive quantization. IEEE Transactions on Image Processing, 1999, 8, 1702-1715.                             | 6.0 | 57        |
| 305 | Efficient discrete wavelet transform architectures based on filterbank factorizations. , 1999, , .  |     | 2         |
| 306 | Erasure recovery in predictive coding environments using multiple description coding. , 1999, , .   |     | 10        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 307 | Optimal blockwise dependent quantization for stereo image coding. IEEE Transactions on Circuits and Systems for Video Technology, 1999, 9, 861-867.                          | 5.6  | 42        |
| 308 | 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       |
| 309 | Stereo image coding using hierarchical MRF model and selective overlapped block disparity compensation. , 1999, , .  |      | 9         |
| 310 | <title>Implementations of the discrete wavelet transform: complexity, memory, and parallelization issues</title>. , 1999, 3813, 386.   |      | 7         |
| 311 | Special Issue on High Fidelity Media Processing. Journal of Visual Communication and Image Representation, 1998, 9, 1.   | 1.7  | 0         |
| 312 | Design and implementation of a soft caching proxy. Computer Networks, 1998, 30, 2113-2121.   | 1.0  | 18        |
| 313 | Rate-distortion methods for image and video compression. IEEE Signal Processing Magazine, 1998, 15, 23-50.   | 4.6  | 639       |
| 314 | VBR video: tradeoffs and potentials. Proceedings of the IEEE, 1998, 86, 952-973.   | 16.4 | 201       |
| 315 | From Rate-distortion Theory To Commercial Image and Video Compression Technology. IEEE Signal Processing Magazine, 1998, 15, 20-22.  | 4.6  | 37        |
| 316 | <title>Multiple description coding via polyphase transform and selective quantization</title>. , 1998, , .   |      | 102       |
| 317 | 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       |
| 318 | <title>Dependent quantization for stereo image coding</title>. , 1998, , .   |      | 7         |
| 319 | <title>Modified overlapped block disparity compensation for stereo image coding</title>. , 1998, , .   |      | 3         |
| 320 | <title>Rate control for robust video transmission over wireless channels</title>. , 1997, 3024, 1200.  |      | 11        |
| 321 | <title>DCT computation with minimal average number of operations</title>. , 1997, 3024, 71.  |      | 11        |
| 322 | <title>Stereo image compression based on disparity field segmentation</title>. , 1997, , .   |      | 14        |
| 323 | Adaptive scalar quantization without side information. IEEE Transactions on Image Processing, 1997, 6, 665-676.  | 6.0  | 52        |
| 324 | 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       |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 325 | <title>Rate control using spline-interpolated R-D characteristics</title>. , 1996, , .  |     | 36        |
| 326 | <title>Stereo image compression with disparity compensation using the MRF model</title>. , 1996, , .  |     | 32        |
| 327 | <title>Cubic spline approximation of rate and distortion functions for MPEG video</title>. , 1996, , .  |     | 7         |
| 328 | Joint Encoder and VBR Channel Optimization with Buffer and Leaky Bucket Constraints. , 1996, , 409-417.   |     | 6         |
| 329 | <title>Gradient-based buffer control technique for MPEG</title>. , 1995, , .  |     | 8         |
| 330 | <title>Forward-adaptive quantization with optimal overhead cost for image and video coding with applications to MPEG video coders</title>. , 1995, , .                            |     | 9         |
| 331 | 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         |
| 332 | Optimal trellis-based buffered compression and fast approximations. IEEE Transactions on Image Processing, 1994, 3, 26-40.  | 6.0 | 183       |
| 333 | 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       |
| 334 | <title>Modeling and optimization of a multiresolution remote image retrieval system</title>. , 1994, 2186, 185.   |     | 4         |
| 335 | Bit allocation for dependent quantization with applications to MPEG video coders. , 1993, , .   |     | 25        |
| 336 | Multiresolution broadcast for digital HDTV using joint source/channel coding. IEEE Journal on Selected Areas in Communications, 1993, 11, 6-23.                                   | 9.7 | 245       |
| 337 | Predictive Control of Variable Bit Rate Coders. , 1992, , 1369-1372.  |     | 2         |
| 338 | Delayed splenic development or transient asplenia?. European Journal of Pediatrics, 1991, 150, 450-450.   | 1.3 | 0         |
| 339 | Optimal buffer-constrained source quantization and fast approximations. , 0, , .  |     | 18        |
| 340 | Adaptive quantization without side information. , 0, , .  |     | 10        |
| 341 | A framework for optimization of a multiresolution remote image retrieval system. , 0, , .   |     | 9         |
| 342 | A gradient-based rate control algorithm with applications to MPEG video. , 0, , .   |     | 8         |

| #   | ARTICLE  | IF | CITATIONS |
|-----|--|----|-----------|
| 343 | Rate control for video coding over variable bit rate channels with applications to wireless transmission. , 0, , .             |    | 30        |
| 344 | Optimal bit allocation under multiple rate constraints. , 0, , .   |    | 32        |
| 345 | Adaptive quantization of image subbands with efficient overhead rate selection. , 0, , .                                       |    | 10        |
| 346 | Adaptive quantization without side information using scalar-vector quantization and trellis coded quantization. , 0, , .       |    | 2         |
| 347 | A novel hybrid technique for discrete rate-distortion optimization with applications to fast codebook search for SVQ. , 0, , . |    | 2         |
| 348 | Perceptually based video rate control using pre-filtering and predicted rate-distortion characteristics. , 0, , .              |    | 7         |
| 349 | Forward/backward adaptive context selection with applications to motion vector field encoding. , 0, , .                        |    | 4         |
| 350 | Soft caching: image caching in a rate-distortion framework. , 0, , .   |    | 6         |
| 351 | Context-based adaptive image coding. , 0, , .  |    | 0         |
| 352 | Call admission: dimensioning a single VBR video source using transition probability matrix. , 0, , .                           |    | 0         |
| 353 | Optimal segmentation of a VBR source for its parallel transmission over multiple ATM connections. , 0, , .                     |    | 8         |
| 354 | Distortion/decoding time tradeoffs in software DCT-based image coding. , 0, , .  |    | 12        |
| 355 | Constrained bit allocation for error resilient JPEG coding. , 0, , .   |    | 3         |
| 356 | Soft caching: web cache management techniques for images. , 0, , .   |    | 30        |
| 357 | Efficient context-based entropy coding for lossy wavelet image compression. , 0, , .   |    | 84        |
| 358 | Joint source channel coding with hybrid FEC/ARQ for buffer constrained video transmission. , 0, , .                            |    | 12        |
| 359 | Line based reduced memory, wavelet image compression. , 0, , .   |    | 24        |
| 360 | DCT computation based on variable complexity fast approximations. , 0, , .   |    | 23        |

| #   | ARTICLE   | IF | CITATIONS |
|-----|---|----|-----------|
| 361 | An iterative algorithm for two-dimensional digital least metric problems with applications to digital image compression. , 0, , . |    | 11        |
| 362 | Implementation of optimized cache replenishment algorithms in a soft caching system. , 0, , .                                     |    | 6         |
| 363 | Embedded image-domain adaptive compression of simple images. , 0, , .   |    | 17        |
| 364 | A Lagrangian optimization approach to rate control for delay-constrained video transmission over burst-error channels. , 0, , .   |    | 7         |
| 365 | Rate control algorithms for video storage on disk based video servers. , 0, , .   |    | 1         |
| 366 | An input dependent algorithm for the inverse discrete wavelet transform. , 0, , .   |    | 3         |
| 367 | Soft information for source channel coding and decoding. , 0, , .   |    | 2         |
| 368 | Coding techniques for oversampled steerable transforms. , 0, , .  |    | 7         |
| 369 | Computationally scalable partial distance based fast search motion estimation. , 0, , .   |    | 10        |
| 370 | Towards efficient and scalable speech compression schemes for robust speech recognition applications. , 0, , .                    |    | 6         |
| 371 | Multiple description speech coding for robust communication over lossy packet networks. , 0, , .                                  |    | 26        |
| 372 | Rate-complexity-distortion optimization for quadtree-based DCT coding. , 0, , .   |    | 8         |
| 373 | Optimal scheduling for streaming of scalable media. , 0, , .  |    | 48        |
| 374 | Lookahead search for lossy context-based adaptive entropy coding. , 0, , .  |    | 2         |
| 375 | Complexity-scalable transform coding using variable complexity algorithms. , 0, , .   |    | 5         |
| 376 | Efficient quantization for overcomplete expansions in $R/\sup N/$ . , 0, , .  |    | 5         |
| 377 | Rate-distortion optimization in a robust video transmission based on unbalanced multiple description coding. , 0, , .             |    | 23        |
| 378 | Simplified grid message-passing algorithm with application to digital image halftoning. , 0, , .                                  |    | 4         |

| #   | ARTICLE   | IF | CITATIONS |
|-----|---|----|-----------|
| 379 | Buffer control for variable complexity Fano decoders. , 0, , .  |    | 5         |
| 380 | Stochastic rate-control of video coders for wireless channels. , 0, , .   |    | 1         |
| 381 | A novel approach of image compression in digital cameras with a Bayer color filter array. , 0, , .                      |    | 50        |
| 382 | Construction of low complexity regular quantizers for overcomplete expansions in $R/\sup N/$ . , 0, , .                 |    | 1         |
| 383 | High capacity audio data hiding for noisy channels. , 0, , .  |    | 7         |
| 384 | Next generation techniques for robust and imperceptible audio data hiding. , 0, , .                                     |    | 10        |
| 385 | Optimal rate control for video transmission over VBR channels based on a hybrid MMAX/MMSE criterion. , 0, , .           |    | 9         |
| 386 | Low complexity motion estimation algorithm by multiresolution search for long-term memory motion compensation. , 0, , . |    | 3         |
| 387 | A comparison of different haptic compression techniques. , 0, , .   |    | 73        |
| 388 | Reduced complexity quantization under classification constraints. , 0, , .  |    | 1         |
| 389 | Fast adaptive media scheduling based on expected run-time distortion. , 0, , .  |    | 4         |
| 390 | Entropy- and complexity-constrained classified quantizer design for distributed image classification. , 0, , .          |    | 5         |
| 391 | Processing-aware compression for sensor networks. , 0, , .  |    | 3         |
| 392 | Rate-distortion model and analytical bit allocation for wavelet-based region of interest coding. , 0, , .               |    | 3         |
| 393 | Exploration of linear discriminant analysis for transform coding in distributed image classification. , 0, , .          |    | 0         |
| 394 | Fast long-term motion estimation for H.264 using multiresolution search. , 0, , .                                       |    | 10        |
| 395 | Application-optimized quantizers for time delay estimation in sensor networks. , 0, , .                                 |    | 4         |
| 396 | Image coding based on multiple projections and multistage vector quantization. , 0, , .                                 |    | 2         |

| #   | ARTICLE   | IF | CITATIONS |
|-----|---|----|-----------|
| 397 | A distributed wavelet compression algorithm for wireless sensor networks using lifting. , 0, , .  |    | 41        |
| 398 | Enhanced standard compliant distributed speech recognition (Aurora encoder) using rate allocation. , 0, , .   |    | 4         |
| 399 | Jointly optimized quantization and time delay estimation for sensor networks. , 0, , .  |    | 1         |
| 400 | Scalable predictive coding by nested quantization with layered side information. , 0, , .   |    | 6         |
| 401 | Efficient memory management control for H.264. , 0, , .   |    | 2         |
| 402 | Quantizer Design for Source Localization in Sensor Networks. , 0, , .   |    | 10        |
| 403 | Hardware testing for error tolerant multimedia compression based on linear transforms. , 0, , .   |    | 51        |
| 404 | A Distributed Wavelet Compression Algorithm for Wireless Multihop Sensor Networks Using Lifting. , 0, , .   |    | 5         |
| 405 | Efficient Inter-Band Prediction and Wavelet Based Compression for Hyperspectral Imagery: A Distributed Source Coding Approach. , 0, , .                                       |    | 37        |
| 406 | Quantizer design and distributed encoding algorithm for source localization in sensor networks. , 0, , .  |    | 0         |
| 407 | Analysis and testing for error tolerant motion estimation. , 0, , .   |    | 57        |
| 408 | Motion Estimation at the Decoder Using Maximum Likelihood Techniques for Distributed Video Coding. , 0, , .   |    | 6         |
| 409 | Block Diagonal Linear Discriminant Analysis with Sequential Embedded Feature Selection. , 0, , .  |    | 3         |
| 410 | A Dynamic Programming Approach to Distortion-Energy Optimization for Distributed Wavelet Compression with Applications to Data Gathering Inwireless Sensor Networks. , 0, , . |    | 8         |
| 411 | Maximum a Posteriori (MAP)-Based Algorithm For Distributed Source Localization Using Quantized Acoustic Sensor Readings. , 0, , .   |    | 8         |
| 412 | Spectro-temporal directional derivative features for automatic speech recognition. , 0, , .   |    | 2         |