

Ghassan AlRegib

List of Publications by Year in descending order

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Version: 2024-02-01

196
papers

3,376
citations

279487

23
h-index

264894

42
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196
all docs

196
docs citations

196
times ranked

1948
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Multi-Modal Learning Using Physicians Diagnostics for Optical Coherence Tomography Classification. , 2022, , . | | 4 |
| 2 | Example Forgetting: A Novel Approach to Explain and Interpret Deep Neural Networks in Seismic Interpretation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12. | 2.7 | 4 |
| 3 | Explanatory Paradigms in Neural Networks: Towards relevant and contextual explanations. IEEE Signal Processing Magazine, 2022, 39, 59-72. | 4.6 | 3 |
| 4 | Fabric surface characterization: assessment of deep learning-based texture representations using a challenging dataset. Journal of the Textile Institute, 2021, 112, 293-305. | 1.0 | 5 |
| 5 | Joint learning for spatial context-based seismic inversion of multiple data sets for improved generalizability and robustness. Geophysics, 2021, 86, O37-O48. | 1.4 | 16 |
| 6 | Open-Set Recognition With Gradient-Based Representations. , 2021, , . | | 6 |
| 7 | Man-Recon: Manifold Learning For Reconstruction With Deep Autoencoder For Smart Seismic Interpretation. , 2021, , . | | 9 |
| 8 | A comparative study of transfer learning methodologies and causality for seismic inversion with temporal convolutional networks. , 2021, , . | | 1 |
| 9 | Self-supervised delineation of geologic structures using latent space factorization. , 2021, , . | | 0 |
| 10 | Explaining Deep Models Through Forgettable Learning Dynamics. , 2021, , . | | 6 |
| 11 | Self-supervised delineation of geologic structures using orthogonal latent space projection. Geophysics, 2021, 86, V497-V508. | 1.4 | 3 |
| 12 | Extracting Causal Visual Features For Limited Label Classification. , 2021, , . | | 10 |
| 13 | Explainable seismic neural networks using learning statistics. , 2021, , . | | 2 |
| 14 | A novel attention model for salient structure detection in seismic volumes. , 2021, 1, 31-45. | | 2 |
| 15 | Traffic Sign Detection Under Challenging Conditions: A Deeper Look into Performance Variations and Spectral Characteristics. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 3663-3673. | 4.7 | 42 |
| 16 | Relative Afferent Pupillary Defect Screening Through Transfer Learning. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 788-795. | 3.9 | 10 |
| 17 | A comparison of seismic saltbody interpretation via neural networks at sample and pattern levels. Geophysical Prospecting, 2020, 68, 521-535. | 1.0 | 23 |
| 18 | Texture classification using block intensity and gradient difference (BIGD) descriptor. Signal Processing: Image Communication, 2020, 83, 115770. | 1.8 | 7 |

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|----|--|-----|-----------|
| 19 | Novelty Detection Through Model-Based Characterization of Neural Networks. , 2020, , . | | 16 |
| 20 | On the Structures of Representation for the Robustness of Semantic Segmentation to Input Corruption. , 2020, , . | | 3 |
| 21 | Action Segmentation with Mixed Temporal Domain Adaptation. , 2020, , . | | 12 |
| 22 | Implicit Saliency In Deep Neural Networks. , 2020, , . | | 5 |
| 23 | Gradients as a Measure of Uncertainty in Neural Networks. , 2020, , . | | 19 |
| 24 | Contrastive Explanations In Neural Networks. , 2020, , . | | 22 |
| 25 | Robustness And Overfitting Behavior Of Implicit Background Models. , 2020, , . | | 1 |
| 26 | Action Segmentation With Joint Self-Supervised Temporal Domain Adaptation. , 2020, , . | | 57 |
| 27 | Multiple Events Detection In Seismic Structures Using A Novel U-Net Variant. , 2020, , . | | 4 |
| 28 | Self-Supervised Annotation of Seismic Images Using Latent Space Factorization. , 2020, , . | | 3 |
| 29 | S ⁶ : Semi-Supervised Self-Supervised Semantic Segmentation. , 2020, , . | | 6 |
| 30 | Backpropagated Gradient Representations for Anomaly Detection. Lecture Notes in Computer Science, 2020, , 206-226. | 1.0 | 32 |
| 31 | Spatiotemporal modeling of seismic images for acoustic impedance estimation. , 2020, , . | | 20 |
| 32 | Joint learning for seismic inversion: An acoustic impedance estimation case study. , 2020, , . | | 16 |
| 33 | Learning to Generate Grounded Visual Captions Without Localization Supervision. Lecture Notes in Computer Science, 2020, , 353-370. | 1.0 | 12 |
| 34 | Three-dimensional curvature analysis of seismic waveforms and its interpretational implications. Geophysical Prospecting, 2019, 67, 265-281. | 1.0 | 9 |
| 35 | A machine-learning benchmark for facies classification. Interpretation, 2019, 7, SE175-SE187. | 0.5 | 100 |
| 36 | Improving seismic fault detection by super-attribute-based classification. Interpretation, 2019, 7, SE251-SE267. | 0.5 | 42 |

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| 37 | Reflector dip estimates based on seismic waveform curvature/flexure analysis. Interpretation, 2019, 7, SC1-SC9. | 0.5 | 6 |
| 38 | Introduction to special section: Machine learning in seismic data analysis. Interpretation, 2019, 7, SEi-SEii. | 0.5 | 1 |
| 39 | Distorted Representation Space Characterization Through Backpropagated Gradients. , 2019, , . | | 12 |
| 40 | Object Recognition Under Multifarious Conditions: A Reliability Analysis and a Feature Similarity-Based Performance Estimation. , 2019, , . | | 6 |
| 41 | Implicit Background Estimation For Semantic Segmentation. , 2019, , . | | 2 |
| 42 | Semisupervised sequence modeling for elastic impedance inversion. Interpretation, 2019, 7, SE237-SE249. | 0.5 | 85 |
| 43 | Developing a seismic texture analysis neural network for machine-aided seismic pattern recognition and classification. Geophysical Journal International, 2019, 218, 1262-1275. | 1.0 | 39 |
| 44 | Texture retrieval using periodically extended and adaptive curvelets. Signal Processing: Image Communication, 2019, 76, 252-260. | 1.8 | 8 |
| 45 | Automated Pupillary Light Reflex Test on a Portable Platform. , 2019, , . | | 0 |
| 46 | Semi-automatic fault/fracture interpretation based on seismic geometry analysis. Geophysical Prospecting, 2019, 67, 1379-1391. | 1.0 | 20 |
| 47 | The Regretful Agent: Heuristic-Aided Navigation Through Progress Estimation. , 2019, , . | | 88 |
| 48 | Compression of seismic signals via recurrent neural networks: Lossy and lossless algorithms. , 2019, , . | | 5 |
| 49 | Temporal Attentive Alignment for Large-Scale Video Domain Adaptation. , 2019, , . | | 93 |
| 50 | Multi-Level Texture Encoding and Representation (Multer) Based on Deep Neural Networks. , 2019, , . | | 14 |
| 51 | Perceptual image quality assessment through spectral analysis of error representations. Signal Processing: Image Communication, 2019, 70, 37-46. | 1.8 | 27 |
| 52 | Structure label prediction using similarity-based retrieval and weakly supervised label mapping. Geophysics, 2019, 84, V67-V79. | 1.4 | 28 |
| 53 | PeQASO: Perceptual Quality Assessment of Streamed Videos Using Optical Flow Features. IEEE Transactions on Broadcasting, 2019, 65, 534-545. | 2.5 | 3 |
| 54 | TS-LSTM and temporal-inception: Exploiting spatiotemporal dynamics for activity recognition. Signal Processing: Image Communication, 2019, 71, 76-87. | 1.8 | 130 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Semi-supervised learning for acoustic impedance inversion. , 2019, , . | | 60 |
| 56 | Facies classification with weak and strong supervision: A comparative study. , 2019, , . | | 15 |
| 57 | Estimation of acoustic impedance from seismic data using temporal convolutional network. , 2019, , . | | 47 |
| 58 | Subsurface Exploration: Recent Advances in Geo-Signal Processing, Interpretation, and Learning [From the Guest Editors]. IEEE Signal Processing Magazine, 2018, 35, 16-18. | 4.6 | 1 |
| 59 | Traffic Signs in the Wild: Highlights from the IEEE Video and Image Processing Cup 2017 Student Competition [SP Competitions]. IEEE Signal Processing Magazine, 2018, 35, 154-161. | 4.6 | 15 |
| 60 | Subsurface Structure Analysis Using Computational Interpretation and Learning: A Visual Signal Processing Perspective. IEEE Signal Processing Magazine, 2018, 35, 82-98. | 4.6 | 56 |
| 61 | Unsupervised Uncertainty Estimation Using Spatiotemporal Cues in Video Saliency Detection. IEEE Transactions on Image Processing, 2018, 27, 2818-2827. | 6.0 | 14 |
| 62 | The role of visual saliency in the automation of seismic interpretation. Geophysical Prospecting, 2018, 66, 132-143. | 1.0 | 18 |
| 63 | CURE-OR: Challenging Unreal and Real Environments for Object Recognition. , 2018, , . | | 31 |
| 64 | Why using CNN for seismic interpretation? An investigation. , 2018, , . | | 18 |
| 65 | Attend and Interact: Higher-Order Object Interactions for Video Understanding. , 2018, , . | | 83 |
| 66 | A comparative study of texture attributes for characterizing subsurface structures in seismic volumes. Interpretation, 2018, 6, T1055-T1066. | 0.5 | 20 |
| 67 | Multi-attribute <i>k</i> -means clustering for salt-boundary delineation from three-dimensional seismic data. Geophysical Journal International, 2018, 215, 1999-2007. | 1.0 | 43 |
| 68 | 3D structural-orientation vector guided autotracking for weak seismic reflections: A new tool for shale reservoir visualization and interpretation. Interpretation, 2018, 6, SN47-SN56. | 0.5 | 20 |
| 69 | Petrophysical-property estimation from seismic data using recurrent neural networks. , 2018, , . | | 45 |
| 70 | Patch-level MLP classification for improved fault detection. , 2018, , . | | 36 |
| 71 | Real-time seismic-image interpretation via deconvolutional neural network. , 2018, , . | | 17 |
| 72 | Learning to label seismic structures with deconvolution networks and weak labels. , 2018, , . | | 31 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Seeding undergraduate research experience: From Georgia Tech to KFUPM case study. International Journal of Electrical Engineering and Education, 2018, 55, 313-323. | 0.4 | 1 |
| 74 | A High-Speed, Real-Time Vision System for Texture Tracking and Thread Counting. IEEE Signal Processing Letters, 2018, 25, 758-762. | 2.1 | 10 |
| 75 | A novel approach for automated detection of listric faults within migrated seismic volumes. Journal of Applied Geophysics, 2018, 155, 94-101. | 0.9 | 12 |
| 76 | Multiresolution analysis and learning for computational seismic interpretation. The Leading Edge, 2018, 37, 443-450. | 0.4 | 12 |
| 77 | Successful leveraging of image processing and machine learning in seismic structural interpretation: A review. The Leading Edge, 2018, 37, 451-461. | 0.4 | 78 |
| 78 | Towards understanding common features between natural and seismic images. , 2018, , . | | 10 |
| 79 | Curvelet transform with learning-based tiling. Signal Processing: Image Communication, 2017, 53, 24-39. | 1.8 | 14 |
| 80 | A texture-based interpretation workflow with application to delineating salt domes. Interpretation, 2017, 5, SJ1-SJ19. | 0.5 | 39 |
| 81 | Interactive Fault Extraction in 3-D Seismic Data Using the Hough Transform and Tracking Vectors. IEEE Transactions on Computational Imaging, 2017, 3, 99-109. | 2.6 | 18 |
| 82 | Multiscale fusion for seismic geometric attribute enhancement. , 2017, , . | | 5 |
| 83 | Seismic-fault detection based on multiattribute support vector machine analysis. , 2017, , . | | 34 |
| 84 | Automated salt-dome detection using an attribute ranking framework with a dictionary-based classifier. Interpretation, 2017, 5, SJ61-SJ79. | 0.5 | 16 |
| 85 | Phase Congruency for image understanding with applications in computational seismic interpretation. , 2017, , . | | 5 |
| 86 | Scale selective extended local binary pattern for texture classification. , 2017, , . | | 11 |
| 87 | Saliency detection for seismic applications using multi-dimensional spectral projections and directional comparisons. , 2017, , . | | 6 |
| 88 | Generating adaptive and robust filter sets using an unsupervised learning framework. , 2017, , . | | 1 |
| 89 | Power of temporospatially unified spectral density for perceptual video quality assessment. , 2017, , . | | 5 |
| 90 | Salt dome detection within migrated seismic volumes using phase congruency. , 2017, , . | | 7 |

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| 91 | A directional coherence attribute for seismic interpretation. , 2017, , . | | 3 |
| 92 | A weakly supervised approach to seismic structure labeling. , 2017, , . | | 8 |
| 93 | MS-UNIQUE: Multi-model and Sharpness-weighted Unsupervised Image Quality Estimation. IS&T International Symposium on Electronic Imaging, 2017, 29, 30-35. | 0.3 | 19 |
| 94 | 3D curvature analysis of seismic waveform and its interpretational implications. , 2017, , . | | 6 |
| 95 | Content-adaptive non-parametric texture similarity measure. , 2016, , . | | 17 |
| 96 | Tensor-based subspace learning for tracking salt-dome boundaries constrained by seismic attributes. , 2016, , . | | 4 |
| 97 | Boosting in image quality assessment. , 2016, , . | | 1 |
| 98 | HeartBEAT: Heart beat estimation through adaptive tracking. , 2016, , . | | 12 |
| 99 | CSV: Image quality assessment based on color, structure, and visual system. Signal Processing: Image Communication, 2016, 48, 92-103. | 1.8 | 19 |
| 100 | Understanding spatial correlation in eye-fixation maps for visual attention in videos. , 2016, , . | | 7 |
| 101 | Completed local derivative pattern for rotation invariant texture classification. , 2016, , . | | 12 |
| 102 | UNIQUE: Unsupervised Image Quality Estimation. IEEE Signal Processing Letters, 2016, 23, 1414-1418. | 2.1 | 34 |
| 103 | ReSIFT: Reliability-weighted sift-based image quality assessment. , 2016, , . | | 4 |
| 104 | Fault detection using seismic attributes and visual saliency. , 2016, , . | | 2 |
| 105 | BLeSS: Bio-inspired low-level spatiochromatic similarity assisted image quality assessment. , 2016, , . | | 1 |
| 106 | Weakly-supervised labeling of seismic volumes using reference exemplars. , 2016, , . | | 15 |
| 107 | Perceptual video quality assessment: Spatiotemporal pooling strategies for different distortions and visual maps. , 2016, , . | | 2 |
| 108 | SalSi: A new seismic attribute for salt dome detection. , 2016, , . | | 20 |

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| 109 | Air-Writing Recognitionâ€™Part I: Modeling and Recognition of Characters, Words, and Connecting Motions. IEEE Transactions on Human-Machine Systems, 2016, 46, 403-413. | 2.5 | 110 |
| 110 | Air-Writing Recognitionâ€™Part II: Detection and Recognition of Writing Activity in Continuous Stream of Motion Data. IEEE Transactions on Human-Machine Systems, 2016, 46, 436-444. | 2.5 | 60 |
| 111 | Tensor-based subspace learning for tracking salt-dome boundaries. , 2015, , . | | 6 |
| 112 | A Novel Approach for Salt Dome Detection using A Dictionary-based Classifier. , 2015, , . | | 12 |
| 113 | Detection of Salt-dome Boundary Surfaces in Migrated Seismic Volumes Using Gradient of Textures. , 2015, , . | | 30 |
| 114 | Noise-robust detection and tracking of salt domes in postmigrated volumes using texture, tensors, and subspace learning. Geophysics, 2015, 80, WD101-WD116. | 1.4 | 66 |
| 115 | Characterization of migrated seismic volumes using texture attributes: a comparative study. , 2015, , . | | 9 |
| 116 | A curvelet-based distance measure for seismic images. , 2015, , . | | 7 |
| 117 | A comparative study of quality and content-based spatial pooling strategies in image quality assessment. , 2015, , . | | 2 |
| 118 | Seismic interpretation of migrated data using edge-based geodesic active contours. , 2015, , . | | 16 |
| 119 | Reduced-reference perceptual quality assessment for video streaming. , 2015, , . | | 7 |
| 120 | Unsupervised uncertainty analysis for video saliency detection. , 2015, , . | | 1 |
| 121 | Unsupervised estimation of uncertainty for video saliency detection using temporal cues. , 2015, , . | | 4 |
| 122 | Saliency detection for videos using 3D FFT local spectra. Proceedings of SPIE, 2015, , . | 0.8 | 8 |
| 123 | PerSIM: Multi-resolution image quality assessment in the perceptually uniform color domain. , 2015, , . | | 14 |
| 124 | Image quality assessment and color difference. , 2014, , . | | 4 |
| 125 | Fault detection using color blending and color transformations. , 2014, , . | | 7 |
| 126 | Automatic fault tracking across seismic volumes via tracking vectors. , 2014, , . | | 12 |

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| 127 | Texture attributes for detecting salt bodies in seismic data. , 2014, , . | | 33 |
| 128 | A comparative study of computational aesthetics. , 2014, , . | | 5 |
| 129 | No-reference quality assessment of HEVC videos in loss-prone networks. , 2014, , . | | 6 |
| 130 | Fault detection in seismic datasets using hough transform. , 2014, , . | | 19 |
| 131 | Automatic fault surface detection by using 3D Hough transform. , 2014, , . | | 16 |
| 132 | Similarity index for seismic data sets using adaptive curvelets. , 2014, , . | | 5 |
| 133 | Feature Processing and Modeling for 6D Motion Gesture Recognition. IEEE Transactions on Multimedia, 2013, 15, 561-571. | 5.2 | 47 |
| 134 | Joint Framework for Motion Validity and Estimation Using Block Overlap. IEEE Transactions on Image Processing, 2013, 22, 1610-1619. | 6.0 | 3 |
| 135 | Effectiveness of 3VQM in capturing depth inconsistencies. , 2013, , . | | 1 |
| 136 | Cooperative Delivery Techniques to Support Video-on-Demand Service in IPTV Networks. IEEE Transactions on Multimedia, 2013, 15, 2149-2161. | 5.2 | 3 |
| 137 | Using the coefficient of variation to improve the sparsity of seismic data. , 2013, , . | | 5 |
| 138 | Modified weak fusion model for depthless streaming of 3D videos. , 2013, , . | | 0 |
| 139 | Searching for the optimal curvelet tiling. , 2013, , . | | 5 |
| 140 | Coding of 3D videos based on visual discomfort. , 2013, , . | | 0 |
| 141 | Curvelet transform with adaptive tiling. Proceedings of SPIE, 2012, , . | 0.8 | 2 |
| 142 | 6DMG. , 2012, , . | | 31 |
| 143 | Cooperative on-demand delivery for IPTV networks. , 2012, , . | | 0 |
| 144 | Hierarchical Hole-Filling For Depth-Based View Synthesis in FTV and 3D Video. IEEE Journal on Selected Topics in Signal Processing, 2012, 6, 495-504. | 7.3 | 87 |

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| 145 | Motion estimation using block overlap minimization. , 2012, , . | | 3 |
| 146 | Depth map estimation in DIBR stereoscopic 3d videos using a combination of monocular cues. , 2012, , . | | 2 |
| 147 | Block-overlap-based validity metric for hybrid de-interlacing. , 2012, , . | | 3 |
| 148 | Depth-less 3D rendering. , 2012, , . | | 0 |
| 149 | A new 6D motion gesture database and the benchmark results of feature-based statistical recognition. , 2012, , . | | 12 |
| 150 | Statistical modeling of social networks activities. , 2012, , . | | 0 |
| 151 | Depth adaptive hierarchical hole filling for DIBR-based 3D videos. , 2012, , . | | 1 |
| 152 | Introduction to the Issue on Emerging Techniques in 3-D. IEEE Journal on Selected Topics in Signal Processing, 2012, 6, 409-410. | 7.3 | 0 |
| 153 | 6D motion gesture recognition using spatio-temporal features. , 2012, , . | | 2 |
| 154 | MIQM: A Multicamera Image Quality Measure. IEEE Transactions on Image Processing, 2012, 21, 3902-3914. | 6.0 | 8 |
| 155 | Misalignment correction for depth estimation using stereoscopic 3-D cameras. , 2012, , . | | 9 |
| 156 | The Mosaic Camera: Streaming, Coding and Compositing Experiments. , 2011, , . | | 0 |
| 157 | SPS Global Presence and Extinct Technologies [From the Editor]. IEEE Signal Processing Magazine, 2011, 28, 2-18. | 4.6 | 0 |
| 158 | An integrated framework for universal motion control. , 2011, , . | | 1 |
| 159 | Improved DCT coefficient distribution modeling for H.264-like video coders based on block classification. , 2011, , . | | 2 |
| 160 | Multimedia Quality Assessment [DSP Forum]. IEEE Signal Processing Magazine, 2011, 28, 164-177. | 4.6 | 14 |
| 161 | A no-reference quality measure for DIBR-based 3D videos. , 2011, , . | | 16 |
| 162 | Trajectory triangulation: 3D motion reconstruction with L_1 optimization. , 2011, , . | | 2 |

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| 163 | 3VQM: A vision-based quality measure for DIBR-based 3D videos. , 2011, , . | | 26 |
| 164 | Characteristics of spatio-temporal signals acquired by optical motion tracking. , 2010, , . | | 2 |
| 165 | Hierarchical Hole-Filling(HHF): Depth image based rendering without depth map filtering for 3D-TV. , 2010, , . | | 17 |
| 166 | Gadgets and Signal Processing: The 2010 International CES [In the Spotlight]. IEEE Signal Processing Magazine, 2010, 27, 176-170. | 4.6 | 0 |
| 167 | From Admiration, Celebration, and Guessing to Innovation [From the Editor. IEEE Signal Processing Magazine, 2010, 27, 2-18. | 4.6 | 0 |
| 168 | MIQM: A novel Multi-view Images Quality Measure. , 2009, , . | | 11 |
| 169 | Context-adaptive hybrid variable length coding in H.264/AVC. , 2009, , . | | 0 |
| 170 | Quality matters, especially in sharing knowledge [From the Editor]. IEEE Signal Processing Magazine, 2009, 26, 2-2, 6. | 4.6 | 0 |
| 171 | Network Lifetime Maximization for Estimation in Multihop Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2009, 57, 2456-2466. | 3.2 | 56 |
| 172 | Distributed Estimation in Energy-Constrained Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2009, 57, 3746-3758. | 3.2 | 116 |
| 173 | Characterization of image distortions in multi-camera systems. , 2009, , . | | 5 |
| 174 | Technology and Tools to Enhance Distributed Engineering Education. Proceedings of the IEEE, 2008, 96, 951-969. | 16.4 | 7 |
| 175 | Optimal weighted data gathering in multi-hop heterogeneous sensor networks. , 2008, , . | | 1 |
| 176 | Joint position and amplitude coding in hybrid variable length coding for video compression. Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing, 2008, , . | 1.8 | 2 |
| 177 | BaTex3: Bit Allocation for Progressive Transmission of Textured 3-D Models. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 23-35. | 5.6 | 21 |
| 178 | Maximizing Network Lifetime for Estimation in Multi-Hop Wireless Sensor Networks. , 2008, , . | | 2 |
| 179 | Arm Movement Prediction Using Neural Networks. , 2008, , . | | 0 |
| 180 | Function-Based Network Lifetime for Estimation in Wireless Sensor Networks. IEEE Signal Processing Letters, 2008, 15, 533-536. | 2.1 | 9 |

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| 181 | 3-D Position and Amplitude VLC Coding in H.264/AVC. , 2008, , . | | 0 |
| 182 | Three-dimensional position and amplitude VLC coding in H.264/AVC. , 2008, , . | | 1 |
| 183 | Multimedia Immersive Technologies and Networking. Advances in Multimedia, 2008, 2008, 1-2. | 0.2 | 4 |
| 184 | Energy-Constrained Distributed Estimation in Wireless Sensor Networks. , 2007, , . | | 9 |
| 185 | Rate-Constrained Distributed Estimation in Wireless Sensor Networks. IEEE Transactions on Signal Processing, 2007, 55, 1634-1643. | 3.2 | 143 |
| 186 | Hybrid Variable Length Coding for Image and Video Compression. , 2007, , . | | 6 |
| 187 | Joint Source and Channel Coding for 3-D Scene Databases Using Vector Quantization and Embedded Parity Objects. IEEE Transactions on Image Processing, 2007, 16, 1675-1685. | 6.0 | 1 |
| 188 | Towards Modeling Human Arm Movement in a CVE. , 2007, , . | | 2 |
| 189 | On-demand transmission of 3D models over lossy networks. Signal Processing: Image Communication, 2006, 21, 396-415. | 1.8 | 11 |
| 190 | Energy-Efficient Cluster-based Distributed Estimation in Wireless Sensor Networks. , 2006, , . | | 8 |
| 191 | Parity-Object Embedded Streaming for Synthetic Graphics. , 2006, , . | | 0 |
| 192 | Design of a Transmission Protocol for a CVE. , 2006, , . | | 2 |
| 193 | Rate-Constrained Distributed Estimation in Wireless Sensor Networks. Computer Communications and Networks (IC3N), Proceedings of the IEEE International Conference on, 2006, , . | 0.0 | 5 |
| 194 | Multi-Streaming of Visual Scenes with Scalable Partial Reliability. , 2006, , . | | 0 |
| 195 | Adaptive Multi-Resolution Coding for 3D Scenes using Vector Quantization. , 2006, , . | | 0 |
| 196 | Error-resilient transmission of 3D models. ACM Transactions on Graphics, 2005, 24, 182-208. | 4.9 | 52 |