Hongkai Xiong

List of Publications by Year
in descending order

233 papers	2,280 citations	304368 22 h-index	395343 33 g-index
237 all docs	237 docs citations	237 times ranked	2359 citing authors

#	Article	IF	Citations
1	Picking Deep Filter Responses for Fine-Grained Image Recognition. , 2016, , .		234
2	Integral Object Mining via Online Attention Accumulation. , 2019, , .		135
3	QoE-Driven Mobile Edge Caching Placement for Adaptive Video Streaming. IEEE Transactions on Multimedia, 2018, 20, 965-984.	5.2	109
4	Optimal Power Allocation for Hybrid Overlay/Underlay Spectrum Sharing in Multiband Cognitive Radio Networks. IEEE Transactions on Vehicular Technology, 2013, 62, 1827-1837.	3.9	101
5	Zigzag Learning for Weakly Supervised Object Detection. , 2018, , .		84
6	HEALER: homomorphic computation of ExAct Logistic rEgRession for secure rare disease variants analysis in GWAS. Bioinformatics, 2016, 32, 211-218.	1.8	76
7	VERTIcal Grid lOgistic regression (VERTIGO). Journal of the American Medical Informatics Association: JAMIA, 2016, 23, 570-579.	2.2	42
8	Robust Subspace Clustering With Compressed Data. IEEE Transactions on Image Processing, 2019, 28, 5161-5170.	6.0	42
9	FORESEE: Fully Outsourced secuRe gEnome Study basEd on homomorphic Encryption. BMC Medical Informatics and Decision Making, 2015, 15, S5.	1.5	40
10	Endobronchial Ultrasound Elastography for Evaluation of Intrathoracic Lymph Nodes: A Pilot Study. Respiration, 2017, 93, 327-338.	1.2	39
11	Partition-Aware Adaptive Switching Neural Networks for Post-Processing in HEVC. IEEE Transactions on Multimedia, 2020, 22, 2749-2763.	5.2	38
12	All-optical graph representation learning using integrated diffractive photonic computing units. Science Advances, 2022, 8, .	4.7	35
13	Fused One-vs-All Features With Semantic Alignments for Fine-Grained Visual Categorization. IEEE Transactions on Image Processing, 2016, 25, 878-892.	6.0	33
14	Joint Coding/Routing Optimization for Distributed Video Sources in Wireless Visual Sensor Networks. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 141-155.	5.6	31
15	Lifetime and Distortion Optimization With Joint Source/Channel Rate Adaptation and Network Coding-Based Error Control in Wireless Video Sensor Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 1182-1194.	3.9	31
16	Partially-Connected Neural Architecture Search for Reduced Computational Redundancy. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 2953-2970.	9.7	28
17	Rate Control for Real-Time Video Network Transmission on End-To-End Rate-Distortion and Application-Oriented QoS. IEEE Transactions on Broadcasting, 2005, 51, 122-132.	2.5	26
18	A joint rate control scheme for H.264 encoding of multiple video sequences. IEEE Transactions on Consumer Electronics, 2005, 51, 617-623.	3.0	26

#	Article	IF	Citations
19	Joint Dynamic Rate Control and Transmission Scheduling for Scalable Video Multirate Multicast Over Wireless Networks. IEEE Transactions on Multimedia, 2018, 20, 361-378.	5.2	26
20	Deep Reinforcement Learning-based Rate Adaptation for Adaptive 360-Degree Video Streaming. , 2019, , .		26
21	Probabilistic Tile Visibility-Based Server-Side Rate Adaptation for Adaptive 360-Degree Video Streaming. IEEE Journal on Selected Topics in Signal Processing, 2020, 14, 161-176.	7.3	26
22	DNA-COMPACT: DNA COMpression Based on a Pattern-Aware Contextual Modeling Technique. PLoS ONE, 2013, 8, e80377.	1.1	25
23	Delayâ€"Power-Rate-Distortion Model for Wireless Video Communication Under Delay and Energy Constraints. IEEE Transactions on Circuits and Systems for Video Technology, 2014, 24, 1170-1183.	5.6	25
24	Group Re-Identification. , 2018, , .		25
25	Sparse Spatio-Temporal Representation With Adaptive Regularized Dictionary Learning for Low Bit-Rate Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 710-728.	5.6	23
26	Multiple Semantic Matching on Augmented N -Partite Graph for Object Co-Segmentation. IEEE Transactions on Image Processing, 2017, 26, 5825-5839.	6.0	23
27	Joint Pricing and Cache Placement for Video Caching: A Game Theoretic Approach. IEEE Journal on Selected Areas in Communications, 2019, 37, 1566-1583.	9.7	23
28	RAPT360: Reinforcement Learning-Based Rate Adaptation for 360-Degree Video Streaming With Adaptive Prediction and Tiling. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 1607-1623.	5.6	23
29	Structured Sparse Representation With Union of Data-Driven Linear and Multilinear Subspaces Model for Compressive Video Sampling. IEEE Transactions on Signal Processing, 2017, 65, 5062-5077.	3.2	22
30	Picking Neural Activations for Fine-grained Recognition. IEEE Transactions on Multimedia, 2017, , 1-1.	5.2	20
31	Group Reidentification with Multigrained Matching and Integration. IEEE Transactions on Cybernetics, 2021, 51, 1478-1492.	6.2	20
32	Attribute Mix: Semantic Data Augmentation for Fine Grained Recognition. , 2020, , .		20
33	HUGO: Hierarchical mUlti-reference Genome cOmpression for aligned reads. Journal of the American Medical Informatics Association: JAMIA, 2014, 21, 363-373.	2.2	19
34	Rotation Equivariant Graph Convolutional Network for Spherical Image Classification. , 2020, , .		19
35	A hybrid wavelet convolution network with sparse-coding for image super-resolution. , 2016, , .		18
36	Distributed Robust Optimization for Scalable Video Multirate Multicast Over Wireless Networks. IEEE Transactions on Circuits and Systems for Video Technology, 2012, 22, 943-957.	5.6	17

#	Article	IF	Citations
37	Fused one-vs-all mid-level features for fine-grained visual categorization. , 2014, , .		17
38	Depth Estimation From Light Field Using Graph-Based Structure-Aware Analysis. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 4269-4283.	5.6	17
39	Key-Point Sequence Lossless Compression for Intelligent Video Analysis. IEEE MultiMedia, 2020, 27, 12-22.	1.5	17
40	A Structured Learning-Based Graph Matching Method for Tracking Dynamic Multiple Objects. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 534-548.	5.6	15
41	FedMax: Enabling a Highly-Efficient Federated Learning Framework. , 2020, , .		15
42	Priority Belief Propagation-Based Inpainting Prediction With Tensor Voting Projected Structure in Video Compression. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1115-1129.	5.6	14
43	Dynamic Spectrum Access and Power Allocation for Cooperative Cognitive Radio Networks. IEEE Transactions on Signal Processing, 2015, 63, 5637-5649.	3.2	14
44	Multi-User Adaptive Video Delivery Over Wireless Networks: A Physical Layer Resource-Aware Deep Reinforcement Learning Approach. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 798-815.	5.6	14
45	Joint Source and Flow Optimization for Scalable Video Multirate Multicast Over Hybrid Wired/Wireless Coded Networks. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 550-564.	5.6	13
46	Optimal decentralized coded caching for heterogeneous files. , 2017, , .		13
47	Iterative Deep Neural Network Quantization With Lipschitz Constraint. IEEE Transactions on Multimedia, 2020, 22, 1874-1888.	5.2	13
48	General Bitwidth Assignment for Efficient Deep Convolutional Neural Network Quantization. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 5253-5267.	7.2	13
49	Reinforcement learning-based opportunistic routing for live video streaming over multi-hop wireless networks. , 2017, , .		12
50	Single and Sequential Viewports Prediction for 360-Degree Video Streaming. , 2019, , .		12
51	iPoolâ€"Information-Based Pooling in Hierarchical Graph Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 5032-5044.	7.2	12
52	SalGCN. , 2020, , .		12
53	Prioritized Flow Optimization With Multi-Path and Network Coding Based Routing for Scalable Multirate Multicasting. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 259-273.	5.6	11
54	Reversible Autoencoder: A CNN-Based Nonlinear Lifting Scheme for Image Reconstruction. IEEE Transactions on Signal Processing, 2021, 69, 3117-3131.	3.2	11

#	Article	IF	Citations
55	Privacy Preserving Federated Big Data Analysis. Studies in Big Data, 2018, , 49-82.	0.8	11
56	Delayâ€"Rateâ€"Distortion Optimized Rate Control for End-to-End Video Communication Over Wireless Channels. IEEE Transactions on Circuits and Systems for Video Technology, 2015, 25, 1665-1681.	5.6	10
57	Sparse Representation With Spatio-Temporal Online Dictionary Learning for Promising Video Coding. IEEE Transactions on Image Processing, 2016, 25, 4580-4595.	6.0	10
58	Delay-Power-Rate-Distortion Optimization of Video Representations for Dynamic Adaptive Streaming. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1648-1664.	5.6	10
59	VERTICOX: Vertically Distributed Cox Proportional Hazards Model Using the Alternating Direction Method of Multipliers. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 996-1010.	4.0	10
60	Incorporating Primal Sketch Based Learning Into Low Bit-Rate Image Compression. , 2007, , .		9
61	Graph Theory Application in Cell Nuleus Segmentation, Tracking and Identification. , 2007, , .		9
62	Reconstruction for Distributed Video Coding: A Context-Adaptive Markov Random Field Approach. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1100-1114.	5.6	9
63	Server-Side Rate Adaptation for Multi-User 360-Degree Video Streaming. , 2018, , .		9
64	Subgraphs Matching-Based Side Information Generation for Distributed Multiview Video Coding. Eurasip Journal on Advances in Signal Processing, 2010, 2009, .	1.0	8
65	Large Discriminative Structured Set Prediction Modeling With Max-Margin Markov Network for Lossless Image Coding. IEEE Transactions on Image Processing, 2014, 23, 541-554.	6.0	8
66	Gaussian Process Regression Based Prediction for Lossless Image Coding. , 2014, , .		8
67	Fully Decomposable Compressive Sampling With Joint Optimization for Multidimensional Sparse Representation. IEEE Transactions on Signal Processing, 2018, 66, 603-616.	3.2	8
68	A Server-Side Optimized Hybrid Multicast-Unicast Strategy for Multi-User Adaptive 360-Degree Video Streaming. , 2019, , .		8
69	Optimization-Based Decentralized Coded Caching for Files and Caches With Arbitrary Sizes. IEEE Transactions on Communications, 2020, 68, 2090-2105.	4.9	8
70	Multi-Scale Structured Dictionary Learning for 3-D Point Cloud Attribute Compression. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 2792-2807.	5.6	8
71	Deep learning with convex probe endobronchial ultrasound multimodal imaging: A validated tool for automated intrathoracic lymph nodes diagnosis. Endoscopic Ultrasound, 2021, 10, 361.	0.6	8
72	Multi-Scale Graph Convolutional Network With Spectral Graph Wavelet Frame. IEEE Transactions on Signal and Information Processing Over Networks, 2021, 7, 595-610.	1.6	8

#	Article	IF	Citations
73	Joint Coding/Routing Optimization for Correlated Sources in Wireless Visual Sensor Networks. , 2009, , .		7
74	Deformable Shape Preserving Video Retargeting With Salient Curve Matching. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2014, 4, 82-94.	2.7	7
75	Transductive Video Segmentation on Tree-Structured Model. IEEE Transactions on Circuits and Systems for Video Technology, 2017, 27, 992-1005.	5.6	7
76	Weak to Strong Detector Learning for Simultaneous Classification and Localization. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 418-432.	5.6	7
77	Design and implementation of multiplexing rate control in broadband access network TV transmission system. IEEE Transactions on Consumer Electronics, 2004, 50, 849-855.	3.0	6
78	Monitoring and Troubleshooting in Operational IP-TV System. IEEE Transactions on Broadcasting, 2007, 53, 711-718.	2.5	6
79	An Error Resilient Video Coding Scheme Using Embedded Wyner–Ziv Description With Decoder Side Non-Stationary Distortion Modeling. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 498-512.	5.6	6
80	Joint Spectrum and Power Auction With Multiauctioneer and Multibidder in Coded Cooperative Cognitive Radio Networks. IEEE Transactions on Wireless Communications, 2014, 13, 5768-5780.	6.1	6
81	Application of Quantitative Autofluorescence Bronchoscopy Image Analysis Method in Identifying Bronchopulmonary Cancer. Technology in Cancer Research and Treatment, 2017, 16, 482-487.	0.8	6
82	Joint Pricing and Decision-Making for Heterogeneous User Demand in Cognitive Radio Networks. IEEE Transactions on Cybernetics, 2019, 49, 3873-3886.	6.2	6
83	MSGCNN: Multi-scale Graph Convolutional Neural Network for Point Cloud Segmentation. , 2019, , .		6
84	Sparse-to-Dense Depth Estimation in Videos via High-Dimensional Tensor Voting. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 68-79.	5.6	6
85	An error resilience scheme on an end-to-end distortion analysis for video transmission over internet. IEEE Transactions on Consumer Electronics, 2004, 50, 715-722.	3.0	5
86	Design and Implementation of an End-to-End System for DTV Multicasting to Home Over Broadband IP Access Network. IEEE Transactions on Broadcasting, 2005, 51, 348-353.	2.5	5
87	A generic video coding framework based on anisotropic diffusion and spatio-temporal completion. , 2010, , .		5
88	Scalable Video Compression Framework With Adaptive Orientational Multiresolution Transform and Nonuniform Directional Filterbank Design. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1085-1099.	5.6	5
89	Joint Inference of Objects and Scenes With Efficient Learning of Text-Object-Scene Relations. IEEE Transactions on Multimedia, 2016, 18, 507-520.	5.2	5
90	Multi-scale Spatiotemporal Information Fusion Network for Video Action Recognition. , 2018, , .		5

#	Article	IF	Citations
91	Structured Semantic Representation for Visual Question Answering. , 2018, , .		5
92	REV-AE: A Learned Frame Set for Image Reconstruction. , 2020, , .		5
93	Dynamic-stride-net: deep convolutional neural network with dynamic stride. , 2019, , .		5
94	A Context-Based Error Detection Strategy into H.264/AVC CABAC. , 2006, , .		4
95	A Cross-Resolution Leaky Prediction Scheme for In-Band Wavelet Video Coding With Spatial Scalability. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 516-521.	5.6	4
96	On Non-sequential Context Modeling with Application to Executable Data Compression. Proceedings of the Data Compression Conference, 2008, , .	0.0	4
97	Side information generation with constrained relaxation for distributed multi-view video coding. , 2008, , .		4
98	Structured Set Intra Prediction With Discriminative Learning in a Max-Margin Markov Network for High Efficiency Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 1941-1956.	5.6	4
99	Progressive Dictionary Learning With Hierarchical Predictive Structure for Low Bit-Rate Scalable Video Coding. IEEE Transactions on Image Processing, 2017, 26, 2972-2987.	6.0	4
100	Compressed Sensing via a Deep Convolutional Auto-encoder. , 2018, , .		4
101	Transcoding-Enabled Edge Caching and Delivery for Tile-Based Adaptive 360-Degree Video Streaming. , 2019, , .		4
102	Implementation of digital HDTV encoder with parallel sub-picture encoding modules and its joint bit-allocation strategy. IEEE Transactions on Consumer Electronics, 2003, 48, 898-907.	3.0	3
103	A New Deblocking Algorithm Based on Adjusted Contourlet Transform. , 2006, , .		3
104	Computational Graph Model for 3D Cells Tracking in Zebra Fish Datasets. AIP Conference Proceedings, 2007, , .	0.3	3
105	A 3D Self-Adjust Region Growing Method for Axon Extraction. , 2007, , .		3
106	2-D dual multiresolution decomposition through NUDFB and its application. , 2008, , .		3
107	Correlated Data Gathering on Dynamic Network Coding Policy and Opportunistic Routing in Wireless Sensor Network. , 2011, , .		3
108	3D tubular structure extraction using kernel-based superellipsoid model with Gaussian process regression. , 2012, , .		3

#	Article	IF	Citations
109	Sparse spatio-temporal representation with adaptive regularized dictionaries for super-resolution based video coding. , 2012, , .		3
110	Union of Data-Driven Subspaces via Subspace Clustering for Compressive Video Sampling. , 2014, , .		3
111	Multitask Learning of Compact Semantic Codebooks for Context-Aware Scene Modeling. IEEE Transactions on Image Processing, 2016, 25, 5411-5426.	6.0	3
112	Compressed Video Coding with Multi-Kernel Gaussian Process Regression. , 2016, , .		3
113	Distributed wireless video caching placement for dynamic adaptive streaming. , 2016, , .		3
114	Lossy Image Compression with Filter Bank Based Convolutional Networks. , 2019, , .		3
115	DNQ: Dynamic Network Quantization. , 2019, , .		3
116	Scalable Structured Compressive Video Sampling With Hierarchical Subspace Learning. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3528-3543.	5.6	3
117	Automatic Image Selection Model Based on Machine Learning for Endobronchial Ultrasound Strain Elastography Videos. Frontiers in Oncology, 2021, 11, 673775.	1.3	3
118	Learned Image Compression with Channel-Wise Grouped Context Modeling. , 2021, , .		3
119	Graph Neural Networks With Lifting-Based Adaptive Graph Wavelets. IEEE Transactions on Signal and Information Processing Over Networks, 2022, 8, 63-77.	1.6	3
120	Mode-based temporal filtering for in-band wavelet video coding with spatial scalability. , 2005, 5960, 355.		2
121	A high-efficient significant coefficient scanning algorithm for 3-D embedded wavelet video coding. , 2005, , .		2
122	Adaptive Predict Based on Fading Compensation for Lifting-Baed Motion Compensated Temporal Filtering. , 0, , .		2
123	An Improved Update Operator for H.264 Scalable Extension. , 2005, , .		2
124	Redundant multiscale structure coding for error resilient video completion. , 2008, , .		2
125	Spatial non-stationary correlation noise modeling for Wyner-Ziv error resilience video coding. , 2009, , .		2
126	Generic video coding with abstraction and detail completion. , 2009, , .		2

#	Article	IF	Citations
127	A structured learning-based graph matching for dynamic multiple object tracking. , 2011, , .		2
128	Conditional random field based side-information fusion for distributed multi-view video coding. , 2011, , .		2
129	Global Correlated Data Gathering in Wireless Sensor Networks with Compressive Sensing and Randomized Gossiping. , 2011, , .		2
130	Privacy-Preserving Biometric System for Secure Fingerprint Authentication. , 2012, , .		2
131	Delay-power-rate-distortion model for H.264 video coding. , 2013, , .		2
132	An Adaptive Difference Distribution-Based Coding with Hierarchical Tree Structure for DNA Sequence Compression. , 2013, 2013, 371-380.		2
133	Illumination compensation via low rank matrix completion for multiview video coding. , 2013, , .		2
134	Spatio-temporal coherence for 3-D view synthesis with curve-based disparity warping. , 2014, , .		2
135	Recent Advances in Wireless Visual Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 735674.	1.3	2
136	Data-Driven Hierarchical Structure Kernel for Multiscale Part-Based Object Recognition. IEEE Transactions on Image Processing, 2014, 23, 1765-1778.	6.0	2
137	Regional context model and dynamic Huffman binarization for adaptive entropy coding of multimedia. , 2014, , .		2
138	Dynamic rate allocation and opportunistic routing for scalable video multirate multicast over time-varying wireless networks. , 2014, , .		2
139	Delay-rate-distortion optimized rate control for wireless video communication. , 2014, , .		2
140	Subspace Learning with Structured Sparsity for Compressive Video Sampling. , 2015, , .		2
141	Generalized Context Modeling With Multi-Directional Structuring and MDL-Based Model Selection for Heterogeneous Data Compression. IEEE Transactions on Signal Processing, 2015, 63, 5650-5664.	3.2	2
142	Compressive Tensor Sampling with Structured Sparsity. , 2016, , .		2
143	Complexity constrained representation selection for dynamic adaptive streaming. , 2016, , .		2
144	Complementary Contextual Models with FM-Index for DNA Compression. , 2017, , .		2

#	Article	IF	Citations
145	Multiscale dictionary learning for hierarchical sparse representation. , 2017, , .		2
146	Optimization-based Decentralized Coded Caching for Files and Caches with Arbitrary Sizes. , 2019, , .		2
147	Adaptive Hard Example Mining for Image Captioning. , 2019, , .		2
148	Multiuser Video Streaming Rate Adaptation: A Physical Layer Resource-Aware Deep Reinforcement Learning Approach. , 2019, , .		2
149	PML-LocNet: Improving Object Localization With Prior-Induced Multi-View Learning Network. IEEE Transactions on Image Processing, 2020, 29, 2568-2582.	6.0	2
150	DSCR-Net: A Diffractive Sensing and Complex-Valued Reconstruction Network for Compressive Sensing. , 2020, , .		2
151	Multiscale Representation Learning of Graph Data With Node Affinity. IEEE Transactions on Signal and Information Processing Over Networks, 2021, 7, 30-44.	1.6	2
152	A Learning-Based Framework for Low Bit-Rate Image and Video Coding. Lecture Notes in Computer Science, 2009, , 232-244.	1.0	2
153	Efficient Decoder for Learned Image Compression via Structured Pruning. , 2022, , .		2
154	Cross-Layer Frame Discarding for Cellular Video Coding. , 2007, , .		1
155	A Simulation-Based 3D Axon Axis Extraction in Confocal Fluorescence Microscopy Images. , 2007, , .		1
156	Reconstruction for distributed video coding: a Markov random field approach with context-adaptive smoothness prior. , 2010, , .		1
157	Optimized inpainting-based macroblock prediction in video compression. , 2010, , .		1
158	Image super-resolution with sparse representation prior on primitive patches. Proceedings of SPIE, 2010, , .	0.8	1
159	Advanced inpainting-based macroblock prediction with regularized structure propagation in video compression. , 2010, , .		1
160	Accelerate TV-L1 optical flow with edge-based image decomposition and its implementation on mobile phone. , 2011, , .		1
161	Super-resolution reconstruction with prior manifold on primitive patches for video compression. , 2011, , .		1
162	Optimal Spatio-Temporal Projections with Holo-Kronecker Compressive Sensing of Video Acquisition. , 2012, , .		1

#	Article	IF	Citations
163	Shape-oriented segmentation with graph matching corroboration for silhouette tracking. , 2012, , .		1
164	Pulmonary Blood Vessels and Nodules Segmentation via Vessel Energy Function and Radius-Variable Sphere Model. , 2012, , .		1
165	A scalable depth coding with arc breakpoints based synthesis in 3-D video. , 2013, , .		1
166	Figure/ground video segmentation using greedy transductive cosegmentation. , 2014, , .		1
167	Bandwidth Allocation for Video Streaming over Peer-to-Peer Networks with Nash Bargaining. , 2014, , .		1
168	Multiscale Edge Coding and Adaptive Lifting for Depth Maps Coding in 3-D Video. , 2014, , .		1
169	Multiscale Online Dictionary Learning for Quality Scalable Video Coding. , 2014, , .		1
170	A semi-automatic 2D-to-3D video conversion with adaptive key-frame selection. , 2014, , .		1
171	Interactive multiview video scheduling through bargaining. , 2015, , .		1
172	Progressive Dictionary Learning with Hierarchical Structure for Scalable Video Coding. , 2015, , .		1
173	Adaptive Submodular Dictionary Selection for Sparse Representation Modeling with Application to Image Super-Resolution. , 2015, , .		1
174	Structure-Based Learning in Sampling, Representation and Analysis for Multimedia Big Data. , 2015, , .		1
175	A cost minimization with light field in scene depth MAP estimation. , 2016, , .		1
176	Revertible deep convolutional networks with iterated directional filter bank. , 2016, , .		1
177	Depth propagation with tensor voting for 2D-to-3D video conversion. , 2016, , .		1
178	Nonconvex Optimization with Alternating Direction Method of Multipliers for Tensor-Based Compressed Sensing with Group Sparsity. , 2017, , .		1
179	Extended conjugate polar fourier transforminconvolution network. , 2017, , .		1
180	Structurally Constrained Correlation Transfer for Zero-shot Learning. , 2018, , .		1

#	Article	IF	Citations
181	A Multimodal Lossless Coding Method for Skeletons in Videos. , 2019, , .		1
182	Feature Map Alignment: Towards Efficient Design of Mixed-precision Quantization Scheme. , 2019, , .		1
183	Adaptive lossless compression of skeleton sequences. Signal Processing: Image Communication, 2020, 80, 115659.	1.8	1
184	Structure-Aware Graph Construction For Point Cloud Segmentation With Graph Convolutional Networks. , 2020, , .		1
185	Tiny-Hourglassnet: An Efficient Design For 3d Human Pose Estimation. , 2020, , .		1
186	Noise-to-Compression Variational Autoencoder for Efficient End-to-End Optimized Image Coding. , 2020, , .		1
187	Lossless Compression for Video Streams with Frequency Prediction and Macro Block Merging. , 2021, , .		1
188	Spatial-Channel Context-Based Entropy Modeling for End-to-end Optimized Image Compression. , 2020, , .		1
189	Mixed-precision Quantization with Dynamical Hessian Matrix for Object Detection Network. , 2021, , .		1
190	NCGNN: Node-Level Capsule Graph Neural Network for Semisupervised Classification. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1025-1039.	7.2	1
191	Graph Dictionary Learning for 3-D Point Cloud Compression. , 2022, , .		1
192	An error spreading scheme for video streaming over the internet. IEEE Transactions on Consumer Electronics, 2003, 49, 990-994.	3.0	0
193	Architecture and rate control for network TV broadcasting on application-oriented QOS. , 0, , .		0
194	Joint Rate Control for Multiple Sequences coding based on H. 264 standard. , 0, , .		0
195	Quality-fluctuation-constrained rate allocation for MCTF-based video coding. , 2006, 6077, 504.		0
196	Equilibrium modeling for 3D curvilinear structure tracking of confocal microscopy images. , 2009, , .		0
197	Optimization on rate allocation and distortion control for scalable video coding multicast networks. , 2010, , .		0
198	Bandwidth auction for SVC streaming in dynamic multi-overlay. , 2010, , .		0

#	Article	IF	Citations
199	Scalable video compression framework with adaptive multiresolution directional filter bank design. , 2010, , .		0
200	Bitwise Structured Prediction Model for Lossless Image Coding. , 2011, , .		0
201	Iterative Thresholding-Based Sparse Directional Representation for Efficient Low Bit-Rate Embedded Video Coding. , 2011, , .		0
202	Optimal Layered Multicast with Source Rate Adaption in Two-Level Hierarchical Overlay Networks. , 2011, , .		0
203	A learning-based video compression on low-quality data by unscented kalman filters with Gaussian process regression. , 2011, , .		0
204	A novel Slepian-Wolf decoding algorithm exploiting geometric regularity constraints with anisotropic MRF modeling. , 2012, , .		0
205	Optimization of variational methods via motion-based weight selection and keypoint matching. , 2012, , .		0
206	Discriminative structured set prediction modeling with max-margin Markov network for optimal lossless image coding. , 2012, , .		0
207	Semi-supervised object recognition using structure kernel. , 2012, , 2157-2160.		0
208	Optimal intra coding of HEVC by structured set prediction mode with discriminative learning. , 2012, , .		0
209	Compressive video sampling from a union of data-driven subspaces. , 2013, , .		0
210	Strip based media retargeting via combing multi-operators. , 2013, , .		0
211	Visual preserving video retargeting with deformable shape consistency. , 2013, , .		0
212	Flow Optimization for Scalable Multi-view Video over Wireless Network. , 2014, , .		0
213	Embedded Transform Coding Based Lossless Compression in Compressive Spectral Imaging with Coded Aperture. , 2014, , .		0
214	Partial scene reconstruction using Time-of-Flight imaging. Proceedings of SPIE, 2014, , .	0.8	0
215	Structure-aware priority belief propagation for depth estimation. , 2015, , .		0
216	Transductive video co-segmentation on the temporal trees. , 2015, , .		0

#	Article	IF	Citations
217	Kernelized learning in deep scattering convolution networks. , 2016, , .		0
218	Depth map estimation with 4D light fields using confocal stereo. , 2016, , .		0
219	Layer-wise supervised neural network for face alignment with multi-task regularization. , 2016, , .		0
220	Joint source-channel rate control for multiview video streaming over erasure channels. , 2016, , .		0
221	Webly-supervised visual concept learning with cardinality guided instance mining and clustered multitask refinement. , 2017, , .		0
222	Unsupervised Representation Learning with Prior-Free and Adversarial Mechanism Embedded Autoencoders. , 2018, , .		0
223	Graph-Based Descriptor Learning for Non-Rigid 3D Shapes. , 2019, , .		0
224	Deep Neural Network-Based Algorithm Approximation via Multivariate Polynomial Regression. , 2019, , .		0
225	Det2Seg: A Two-Stage Approach for Road Object Segmentation from 3D Point Clouds. , 2019, , .		0
226	A Study on Motion Prediction and Coding for In-Band Motion Compensated Temporal Filtering. Lecture Notes in Computer Science, 2005, , 983-988.	1.0	0
227	A Novel Coarse-to-Fine Adaptation Segmentation Approach for Cellular Image Analysis. Lecture Notes in Computer Science, 2006, , 762-771.	1.0	0
228	Inferring BP Priority Order Using 5D Tensor Voting for Inpainting-Based Macroblock Prediction. , 2011, , .		0
229	Neural Image Caption Generation with Global Feature Based Attention Scheme. Lecture Notes in Computer Science, 2017, , 51-61.	1.0	0
230	Pedestrian Detection with a Directly-Cascaded Deconvolution-Convolution Structure. Lecture Notes in Computer Science, 2018, , 370-380.	1.0	0
231	Deep Face Recognition Using Adaptively-Weighted Verification Loss Function. Communications in Computer and Information Science, 2018, , 182-192.	0.4	0
232	Video Compression via Inter-frame Chroma Prediction. , 2022, , .		0
233	Entropy Modeling via Gaussian Process Regression for Learned Image Compression. , 2022, , .		0