King Ngi Ngan

List of Publications by Year
in descending order

352 papers	7,417 citations	81839 39 h-index	82499 72 g-index
361 all docs	361 docs citations	361 times ranked	4224 citing authors

#	Article	IF	Citations
1	Face segmentation using skin-color map in videophone applications. IEEE Transactions on Circuits and Systems for Video Technology, 1999, 9, 551-564.	5.6	568
2	Unsupervised extraction of visual attention objects in color images. IEEE Transactions on Circuits and Systems for Video Technology, 2006, 16, 141-145.	5.6	362
3	A Co-Saliency Model of Image Pairs. IEEE Transactions on Image Processing, 2011, 20, 3365-3375.	6.0	287
4	Spatio-Temporal Just Noticeable Distortion Profile for Grey Scale Image/Video in DCT Domain. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 337-346.	5.6	234
5	Automatic segmentation of moving objects for video object plane generation. IEEE Transactions on Circuits and Systems for Video Technology, 1998, 8, 525-538.	5.6	219
6	Image Quality Assessment by Separately Evaluating Detail Losses and Additive Impairments. IEEE Transactions on Multimedia, 2011, 13, 935-949.	5.2	184
7	Video segmentation for content-based coding. IEEE Transactions on Circuits and Systems for Video Technology, 1999, 9, 1190-1203.	5.6	159
8	Blind Image Quality Assessment Based on Multichannel Feature Fusion and Label Transfer. IEEE Transactions on Circuits and Systems for Video Technology, 2016, 26, 425-440.	5.6	137
9	Reduced-Reference Image Quality Assessment Using Reorganized DCT-Based Image Representation. IEEE Transactions on Multimedia, 2011, 13, 824-829.	5.2	136
10	Admission control in IEEE 802.11e wireless LANs. IEEE Network, 2005, 19, 6-13.	4.9	135
11	Object Co-Segmentation Based on Shortest Path Algorithm and Saliency Model. IEEE Transactions on Multimedia, 2012, 14, 1429-1441.	5.2	127
12	Image Retargeting Quality Assessment: A Study of Subjective Scores and Objective Metrics. IEEE Journal on Selected Topics in Signal Processing, 2012, 6, 626-639.	7.3	120
13	Unsupervised Salient Object Segmentation Based on Kernel Density Estimation and Two-Phase Graph Cut. IEEE Transactions on Multimedia, 2012, 14, 1275-1289.	5.2	119
14	Locating facial region of a head-and-shoulders color image. , 0, , .		112
15	Recent advances in rate control for video coding. Signal Processing: Image Communication, 2007, 22, 19-38.	1.8	101
16	Co-Salient Object Detection From Multiple Images. IEEE Transactions on Multimedia, 2013, 15, 1896-1909.	5.2	100
17	Adaptive cosine transform coding of images in perceptual domain. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1989, 37, 1743-1750.	2.0	98
18	A memory learning framework for effective image retrieval. IEEE Transactions on Image Processing, 2005, 14, 511-524.	6.0	95

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19	FaceSeg: Automatic Face Segmentation for Real-Time Video. IEEE Transactions on Multimedia, 2009, 11, 77-88.	5.2	91
20	Saliency model-based face segmentation and tracking in head-and-shoulder video sequences. Journal of Visual Communication and Image Representation, 2008, 19, 320-333.	1.7	79
21	An Efficient Frame-Content Based Intra Frame Rate Control for High Efficiency Video Coding. IEEE Signal Processing Letters, 2015, 22, 896-900.	2.1	79
22	Reduction of blocking artifacts in image and video coding. IEEE Transactions on Circuits and Systems for Video Technology, 1999, 9, 490-500.	5.6	76
23	Fast HEVC Inter CU Decision Based on Latent SAD Estimation. IEEE Transactions on Multimedia, 2015, 17, 2147-2159.	5.2	72
24	Low-Delay Rate Control for Consistent Quality Using Distortion-Based Lagrange Multiplier. IEEE Transactions on Image Processing, 2016, 25, 2943-2955.	6.0	68
25	Weighted Adaptive Lifting-Based Wavelet Transform for Image Coding. IEEE Transactions on Image Processing, 2008, 17, 500-511.	6.0	67
26	Simultaneously Detecting and Counting Dense Vehicles From Drone Images. IEEE Transactions on Industrial Electronics, 2019, 66, 9651-9662.	5.2	61
27	Unsupervized Video Segmentation With Low Depth of Field. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 1742-1751.	5.6	60
28	A Perceptually Weighted Rank Correlation Indicator for Objective Image Quality Assessment. IEEE Transactions on Image Processing, 2018, 27, 2499-2513.	6.0	57
29	A2RMNet: Adaptively Aspect Ratio Multi-Scale Network for Object Detection in Remote Sensing Images. Remote Sensing, 2019, 11, 1594.	1.8	53
30	Full-Reference Video Quality Assessment by Decoupling Detail Losses and Additive Impairments. IEEE Transactions on Circuits and Systems for Video Technology, 2012, 22, 1100-1112.	5.6	48
31	Image Cosegmentation by Incorporating Color Reward Strategy and Active Contour Model. IEEE Transactions on Cybernetics, 2013, 43, 725-737.	6.2	47
32	Reorganized DCT-based image representation for reduced reference stereoscopic image quality assessment. Neurocomputing, 2016, 215, 21-31.	3.5	46
33	Reduced-Reference Video Quality Assessment of Compressed Video Sequences. IEEE Transactions on Circuits and Systems for Video Technology, 2012, 22, 1441-1456.	5.6	45
34	Blind Image Quality Assessment Using Local Consistency Aware Retriever and Uncertainty Aware Evaluator. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 2078-2089.	5.6	45
35	An Object-Based Shot Boundary Detection Using Edge Tracing and Tracking. Journal of Visual Communication and Image Representation, 2001, 12, 217-239.	1.7	44
36	Perceptual video coding: Challenges and approaches. , 2010, , .		44

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37	Blind Image Quality Assessment Based on Rank-Order Regularized Regression. IEEE Transactions on Multimedia, 2017, 19, 2490-2504.	5.2	44
38	No-Reference Retargeted Image Quality Assessment Based on Pairwise Rank Learning. IEEE Transactions on Multimedia, 2016, 18, 2228-2237.	5.2	43
39	Experiments on two-dimensional decimation in time and orthogonal transform domains. Signal Processing, 1986, 11, 249-263.	2.1	42
40	Dynamic Bit Allocation for Multiple Video Object Coding. IEEE Transactions on Multimedia, 2006, 8, 1117-1124.	5.2	40
41	Fast and Efficient Method for Block Edge Classification and Its Application in H.264/AVC Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 756-768.	5.6	40
42	Adaptive Block-size Transform based Just-Noticeable Difference model for images/videos. Signal Processing: Image Communication, 2011, 26, 162-174.	1.8	39
43	Reduced-reference image quality assessment in reorganized DCT domain. Signal Processing: Image Communication, 2013, 28, 884-902.	1.8	39
44	Enhancement of PCM and DPCM Images Corrupted by Transmission Errors. IEEE Transactions on Communications, 1982, 30, 257-265.	4.9	38
45	Optimized Cross-Layer Design for Scalable Video Transmission Over the IEEE 802.11e Networks. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 1665-1678.	5.6	38
46	4-D Wavelet-Based Multiview Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2006, 16, 1385-1396.	5.6	37
47	Segmentation and Tracking Multiple Objects Under Occlusion From Multiview Video. IEEE Transactions on Image Processing, 2011, 20, 3308-3313.	6.0	36
48	Practical Image Quality Metric Applied to Image Coding. IEEE Transactions on Multimedia, 2011, 13, 615-624.	5.2	36
49	High-Quality R-CNN Object Detection Using Multi-Path Detection Calibration Network. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 715-727.	5.6	36
50	Free-Energy Principle Inspired Video Quality Metric and Its Use in Video Coding. IEEE Transactions on Multimedia, 2016, 18, 590-602.	5.2	35
51	Global and local semantics-preserving based deep hashing for cross-modal retrieval. Neurocomputing, 2018, 312, 49-62.	3.5	35
52	Predictive classified vector quantization. IEEE Transactions on Image Processing, 1992, 1, 269-280.	6.0	33
53	Towards Rate-Distortion Tradeoff in Real-Time Color Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 158-167.	5.6	33
54	Spread Spectrum Image Watermarking Based on Perceptual Quality Metric. IEEE Transactions on Image Processing, 2011, 20, 3207-3218.	6.0	33

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55	Visual Quality Evaluation of Image Object Segmentation: Subjective Assessment and Objective Measure. IEEE Transactions on Image Processing, 2015, 24, 5033-5045.	6.0	33
56	Automatic video segmentation and tracking for content-based applications. , 2007, 45, 27-33.		32
57	Saliency detection using joint spatial-color constraint and multi-scale segmentation. Journal of Visual Communication and Image Representation, 2013, 24, 465-476.	1.7	32
58	Jaccard index compensation for object segmentation evaluation. , 2014, , .		32
59	Cell-loss concealment techniques for layered video codecs in an ATM network. IEEE Transactions on Image Processing, 1994, 3, 666-677.	6.0	31
60	Feature Adaptive Co-Segmentation by Complexity Awareness. IEEE Transactions on Image Processing, 2013, 22, 4809-4824.	6.0	31
61	No reference image quality assessment metric via multi-domain structural information and piecewise regression. Journal of Visual Communication and Image Representation, 2015, 32, 205-216.	1.7	31
62	Very low bit rate video coding using 3D subband approach. IEEE Transactions on Circuits and Systems for Video Technology, 1994, 4, 309-316.	5.6	30
63	2-D Order-16 Integer Transforms for HD Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 1462-1474.	5.6	30
64	Learning Efficient Binary Codes From High-Level Feature Representations for Multilabel Image Retrieval. IEEE Transactions on Multimedia, 2017, 19, 2545-2560.	5.2	30
65	Subjective and Objective De-Raining Quality Assessment Towards Authentic Rain Image. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3883-3897.	5.6	30
66	Hierarchical Context Features Embedding for Object Detection. IEEE Transactions on Multimedia, 2020, 22, 3039-3050.	5.2	29
67	Real-Time Head Pose Tracking with Online Face Template Reconstruction. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2016, 38, 1922-1928.	9.7	28
68	A multiview sequence CODEC with view scalability. Signal Processing: Image Communication, 2004, 19, 239-256.	1.8	27
69	Improving WLAN VoIP Capacity Through Service Differentiation. IEEE Transactions on Vehicular Technology, 2008, 57, 465-474.	3.9	27
70	Toward a Blind Quality Metric for Temporally Distorted Streaming Video. IEEE Transactions on Broadcasting, 2018, 64, 367-378.	2.5	26
71	HeadNet: An End-to-End Adaptive Relational Network for Head Detection. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 482-494.	5.6	26
72	Discriminative deep metric learning for asymmetric discrete hashing. Neurocomputing, 2020, 380, 115-124.	3.5	26

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73	Image display techniques using the cosine transform. IEEE Transactions on Acoustics, Speech, and Signal Processing, 1984, 32, 173-177.	2.0	25
74	Learning to Extract Focused Objects From Low DOF Images. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1571-1580.	5.6	25
75	Guided Face Cartoon Synthesis. IEEE Transactions on Multimedia, 2011, 13, 1230-1239.	5.2	25
76	Hierarchical Parsing Net: Semantic Scene Parsing From Global Scene to Objects. IEEE Transactions on Multimedia, 2018, 20, 2670-2682.	5.2	25
77	3-D Reconstruction of Human Body Shape From a Single Commodity Depth Camera. IEEE Transactions on Multimedia, 2019, 21, 114-123.	5.2	25
78	Classified perceptual coding with adaptive quantization. IEEE Transactions on Circuits and Systems for Video Technology, 1996, 6, 375-388.	5.6	24
79	Global salient information maximization for saliency detection. Signal Processing: Image Communication, 2012, 27, 238-248.	1.8	24
80	Additive Log-Logistic Model for Networked Video Quality Assessment. IEEE Transactions on Image Processing, 2013, 22, 1536-1547.	6.0	24
81	Perceptual sensitivity-based rate control method for high efficiency video coding. Multimedia Tools and Applications, 2016, 75, 10383-10396.	2.6	24
82	Improved single-video-object rate control for MPEG-4. IEEE Transactions on Circuits and Systems for Video Technology, 2003, 13, 385-393.	5.6	23
83	Joint Motion and Disparity Fields Estimation for Stereoscopic Video Sequences. Signal Processing: Image Communication, 2005, 20, 265-276.	1.8	23
84	Visual Horizontal Effect for Image Quality Assessment. IEEE Signal Processing Letters, 2010, 17, 627-630.	2.1	23
85	A frequency scalable coding scheme employing pyramid and subband techniques. IEEE Transactions on Circuits and Systems for Video Technology, 1994, 4, 203-207.	5.6	22
86	Video Segmentation and Its Applications. , 2011, , .		22
87	Composite Model-Based DC Dithering for Suppressing Contour Artifacts in Decompressed Video. IEEE Transactions on Image Processing, 2011, 20, 2110-2121.	6.0	22
88	Language-Aware Fine-Grained Object Representation for Referring Expression Comprehension. , 2020, , .		22
89	Efficient intra- and inter-mode selection algorithms for H.264/ AVC. Journal of Visual Communication and Image Representation, 2006, 17, 322-344.	1.7	21
90	A two-pass rate control algorithm for H.264/AVC high definition video coding. Signal Processing: Image Communication, 2009, 24, 357-367.	1.8	21

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91	Very low bit rate video coding using H.263 coder. IEEE Transactions on Circuits and Systems for Video Technology, 1996, 6, 308-312.	5.6	20
92	High accuracy flashlight scene determination for shot boundary detection. Signal Processing: Image Communication, 2003, 18, 203-219.	1.8	20
93	Implementation of H.264 on Mobile Device. IEEE Transactions on Consumer Electronics, 2007, 53, 1109-1116.	3.0	20
94	Enhancing compression rate by just-noticeable distortion model for H.264/AVC. , 2009, , .		20
95	Consistent Visual Quality Control in Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2013, 23, 975-989.	5.6	20
96	An efficient framework for image/video inpainting. Signal Processing: Image Communication, 2013, 28, 753-762.	1.8	20
97	Parametric Deformable Exponential Linear Units for deep neural networks. Neural Networks, 2020, 125, 281-289.	3.3	20
98	Foreground/background video coding scheme. , 0, , .		19
99	Blind image quality assessment for Gaussian blur images using exact Zernike moments and gradient magnitude. Journal of the Franklin Institute, 2016, 353, 4715-4733.	1.9	19
100	Hybrid human detection and recognition in surveillance. Neurocomputing, 2016, 194, 10-23.	3.5	19
101	Objective Quality Assessment of Image Retargeting by Incorporating Fidelity Measures and Inconsistency Detection. IEEE Transactions on Image Processing, 2017, 26, 5980-5993.	6.0	19
102	Separable authentication in encrypted HEVC video. Multimedia Tools and Applications, 2018, 77, 24165-24184.	2.6	19
103	Adaptive transform coding of video signals. IEE Proceedings, Part F: Communications, Radar and Signal Processing, 1982, 129, 28.	0.1	18
104	Efficient H.264/AVC Video Coding with Adaptive Transforms. IEEE Transactions on Multimedia, 2014, 16, 933-946.	5.2	18
105	Seeds-Based Part Segmentation by Seeds Propagation and Region Convexity Decomposition. IEEE Transactions on Multimedia, 2018, 20, 310-322.	5.2	18
106	Query Reconstruction Network for Referring Expression Image Segmentation. IEEE Transactions on Multimedia, 2021, 23, 995-1007.	5.2	17
107	Foreground/background bit allocation for region-of-interest coding. , 2000, , .		16
108	Adaptive image retargeting using saliency-based continuous seam carving. Optical Engineering, 2010, 49, 017002.	0.5	16

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109	Perceptual adaptive Lagrangian multiplier for high efficiency video coding. , 2013, , .		16
110	Multi-layer authentication scheme for HEVC video based on embedded statistics. Journal of Visual Communication and Image Representation, 2016, 40, 502-515.	1.7	16
111	Automatic face location for videophone images. , 0, , .		15
112	A robust Markovian segmentation based on highest confidence first (HCF). , 0, , .		15
113	Multi-view video based multiple objects segmentation using graph cut and spatiotemporal projections. Journal of Visual Communication and Image Representation, 2010, 21, 453-461.	1.7	15
114	Study of subjective and objective quality assessment of retargeted images. , 2012, , .		15
115	Weakly Supervised Part Proposal Segmentation From Multiple Images. IEEE Transactions on Image Processing, 2017, 26, 4019-4031.	6.0	15
116	An Unsupervised Method to Extract Video Object via Complexity Awareness and Object Local Parts. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1580-1594.	5.6	15
117	Linear Rate-Distortion Models for MPEG-4 Shape Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2004, 14, 869-873.	5.6	14
118	Distortion variation minimization in real-time video coding. Signal Processing: Image Communication, 2006, 21, 273-279.	1.8	14
119	An Efficient Intra Mode Selection Algorithm For H.264 Based On Fast Edge Classification. , 2007, , .		14
120	Anaglyph image generation by matching color appearance attributes. Signal Processing: Image Communication, 2013, 28, 597-607.	1.8	14
121	Global Propagation of Affine Invariant Features for Robust Matching. IEEE Transactions on Image Processing, 2013, 22, 2876-2888.	6.0	14
122	From Logo to Object Segmentation. IEEE Transactions on Multimedia, 2013, 15, 2186-2197.	5.2	14
123	Improved block level adaptive quantization for high efficiency video coding. , 2015, , .		14
124	Feature Fusion With Predictive Weighting for Spectral Image Classification and Segmentation. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 6792-6807.	2.7	14
125	UHD Video Coding: A Light-Weight Learning-Based Fast Super-Block Approach. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 3083-3094.	5.6	14
126	An MPEG-4-compatible stereoscopic/multiview video coding scheme. IEEE Transactions on Circuits and Systems for Video Technology, 2006, 16, 286-290.	5.6	13

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127	Spatial just noticeable distortion profile for image in DCT domain. , 2008, , .		12
128	Perceptual image compression via adaptive block- based super-resolution directed down-sampling. , 2011, , .		12
129	Depth enhancement using RGB-D guided filtering. , 2014, , .		12
130	Geometric modelling of IC die bonds for inspection. Pattern Recognition Letters, 1989, 10, 47-52.	2.6	11
131	Error resilient transmission of SPIHT coded images over fading channels. IET Computer Vision, 2001, 148, 59.	1.3	11
132	Shot boundary refinement for long transition in digital video sequence. IEEE Transactions on Multimedia, 2002, 4, 434-445.	5.2	11
133	Advanced rate control technologies for 3D-HDTV. IEEE Transactions on Consumer Electronics, 2003, 49, 1498-1507.	3.0	11
134	3-D Object-Based Scalable Wavelet Video Coding With Boundary Effect Suppression. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 639-644.	5.6	11
135	Scale- and Affine-Invariant Fan Feature. IEEE Transactions on Image Processing, 2011, 20, 1627-1640.	6.0	11
136	A Generative Model for Depth-Based Robust 3D Facial Pose Tracking. , 2017, , .		11
137	Generic Proposal Evaluator: A Lazy Learning Strategy Toward Blind Proposal Quality Assessment. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 306-319.	4.7	11
138	Disparity map coding based on adaptive triangular surface modelling. Signal Processing: Image Communication, 1998, 14, 119-130.	1.8	10
139	Segmentation and tracking of moving objects for content-based video coding. IET Computer Vision, 1999, 146, 144.	1.3	10
140	Scalable Multiview Video Coding Using Wavelet. , 0, , .		10
141	Joint texture-shape optimization for MPEG-4 multiple video objects. IEEE Transactions on Circuits and Systems for Video Technology, 2005, 15, 1170-1174.	5.6	10
142	Fast multiresolution motion estimation algorithms for wavelet-based scalable video coding. Signal Processing: Image Communication, 2007, 22, 448-465.	1.8	10
143	A Fast Rate-Distortion Optimization Algorithm for H.264/AVC. , 2007, , .		10
144	Video quality assessment by decoupling additive impairments and detail losses. , 2011, , .		10

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145	Cosegmentation from similar backgrounds. , 2014, , .		10
146	Interactive object segmentation in two phases. Signal Processing: Image Communication, 2018, 65, 107-114.	1.8	10
147	<title>Error-protection scheme for the transmission of H.263 coded video over mobile radio channels</title>. , 1997, , .		9
148	3-D Shape-Adaptive Directional Wavelet Transform for Object-Based Scalable Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 888-899.	5.6	9
149	Automatic body segmentation with graph cut and self-adaptive initialization level set (SAILS). Journal of Visual Communication and Image Representation, 2011, 22, 367-377.	1.7	9
150	How does the shape descriptor measure the perceptual quality of the retargeting image?. , 2014, , .		9
151	Gaze-Based Object Segmentation. IEEE Signal Processing Letters, 2017, 24, 1493-1497.	2.1	9
152	Cascaded regression using landmark displacement for 3D face reconstruction. Pattern Recognition Letters, 2019, 125, 766-772.	2.6	9
153	Hybrid-loss supervision for deep neural network. Neurocomputing, 2020, 388, 78-89.	3.5	9
154	A Head Pose Tracking System Using RGB-D Camera. Lecture Notes in Computer Science, 2013, , 153-162.	1.0	9
155	Enhancement of image quality for low bit rate video coding. IEEE Transactions on Circuits and Systems, 1991, 38, 1221-1225.	0.9	8
156	Hybrid image coding scheme in incorporating human visual system characteristics. Optical Engineering, 1991, 30, 940.	0.5	8
157	The implementation of object-based shot boundary detection using edge tracing and tracking. , 0, , .		8
158	A Fast Macroblock Mode Decision Algorithm for H.264. , 2006, , .		8
159	An efficient intra-mode selection algorithm for H.264 based on edge classification and rate-distortion estimation. Signal Processing: Image Communication, 2008, 23, 699-710.	1.8	8
160	A temporal just-noticeble distortion profile for video in DCT domain. , 2008, , .		8
161	Motion trajectory based visual saliency for video quality assessment. , 2011, , .		8
162	Recent advances and challenges of visual signal quality assessment. China Communications, 2013, 10, 62-78.	2.0	8

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163	Boosting Scene Parsing Performance via Reliable Scale Prediction. , 2018, , .		8
164	Beyond Synthetic Data: A Blind Deraining Quality Assessment Metric Towards Authentic Rain Image. , 2019, , .		8
165	Filters for drift reduction in frequency scalable video coding schemes. Electronics Letters, 1994, 30, 471-472.	0.5	7
166	A region-based algorithm for enhancement of images degraded by blocking effects. , 0, , .		7
167	Rate-constrained arbitrarily shaped video object coding with object-based rate control. IET Computer Vision, 2004, 151, 250.	1.3	7
168	An error sensitivity-based redundant macroblock strategy for robust wireless video transmission. , 0, , .		7
169	Advances in visual content analysis and adaptation for multimedia communications [Guest editorial]. , 2007, 45, 24-26.		7
170	An efficient algorithm for H.264/AVC high definition video coding. IEEE Transactions on Consumer Electronics, 2008, 54, 1852-1857.	3.0	7
171	Video Quality Assessment based on Adaptive Block-size Transform Just-Noticeable Difference model. , 2010, , .		7
172	Parametric Interpolation Filter for HD Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 1892-1897.	5.6	7
173	Real-Time De-Interlacing for H.264-Coded HD Videos. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 1144-1149.	5.6	7
174	Two-Layer Directional Transform for High Performance Video Coding. IEEE Transactions on Circuits and Systems for Video Technology, 2012, 22, 619-625.	5.6	7
175	No reference image quality metric via distortion identification and multi-channel label transfer. , 2014, , .		7
176	Optimal bit allocation in HEVC for real-time video communications. , 2015, , .		7
177	Online Temporally Consistent Indoor Depth Video Enhancement via Static Structure. IEEE Transactions on Image Processing, 2015, 24, 2197-2211.	6.0	7
178	Globally Measuring the Similarity of Superpixels by Binary Edge Maps for Superpixel Clustering. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 906-919.	5.6	7
179	Image/Video Segmentation: Current Status, Trends, and Challenges. , 2011, , 1-23.		7
180	Instance-level Context Attention Network for instance segmentation. Neurocomputing, 2022, 472, 124-137.	3.5	7

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181	Special Issue On Representation And Coding Of Images And Video I [Guest Editorial]. IEEE Transactions on Circuits and Systems for Video Technology, 1998, 8, 797-801.	5.6	6
182	Comparison of MPEG Domain Elements for Low-Level Shot Boundary Detection. Real Time Imaging, 1999, 5, 341-358.	1.6	6
183	A real-time video transport system for the best-effort Internet. Signal Processing: Image Communication, 2005, 20, 277-293.	1.8	6
184	Limitation and challenges of image quality measurement. , 2010, , .		6
185	Depth enhancement based on hybrid geometric hole filling strategy. , 2013, , .		6
186	Rate-perceptual-distortion optimization (RpDO) based picture coding — Issues and challenges. , 2014, , .		6
187	Q-DNN: A quality-aware deep neural network for blind assessment of enhanced images. , 2016, , .		6
188	Boundary-Guided Optimization Framework for Saliency Refinement. IEEE Signal Processing Letters, 2018, 25, 491-495.	2.1	6
189	Visibility Constrained Generative Model for Depth-Based 3D Facial Pose Tracking. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1994-2007.	9.7	6
190	Region Adaptive Two-Shot Network For Single Image Dehazing. , 2020, , .		6
191	Task-Specific Loss for Robust Instance Segmentation With Noisy Class Labels. IEEE Transactions on Circuits and Systems for Video Technology, 2023, 33, 213-227.	5.6	6
192	Adaptive difference detection and correction system for partial correction of transmission errors in linear p.c.m.. Electronics Letters, 1978, 14, 381.	0.5	5
193	An energy function for facial feature extraction. , 0, , .		5
194	Using inter-frame dependence history to select intra-refresh blocks. Electronics Letters, 2002, 38, 1337.	0.5	5
195	MPEG-4 based stereoscopic video sequences encoder. , 0, , .		5
196	Embedded wavelet packet object-based image coding based on context classification and quadtree ordering. Signal Processing: Image Communication, 2006, 21, 143-155.	1.8	5
197	Unsupervised Segmentation of Defocused Video Based on Matting Model. , 2006, , .		5
198	Enhancement Techniques for Intra Block Matching. , 2007, , .		5

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199	Arbitrarily shaped object coding based on H.264/AVC. , 2009, , .		5
200	Motion-Depth: RGB-D Depth Map Enhancement with Motion and Depth in Complement. , 2014, , .		5
201	Rate Constrained Multiple-QP Optimization for HEVC. IEEE Transactions on Multimedia, 2020, 22, 1395-1406.	5.2	5
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205	Improved single VO rate control for constant bit-rate applications using MPEG-4. , 2000, , .		4
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207	Edge-preserving regularization of disparity and motion fields. , 0, , .		4
208	<title>Automatic video object segmentation for MPEG-4</title>. , 2003, 5150, 9.		4
209	Multiple feature clustering algorithm for automatic video object segmentation. , 0, , .		4
210	Weighted Adaptive Lifting-Basedwavelet Transform. , 2007, , .		4
211	Adaptive partition size temporal error concealment for H.264 using weighted double-sided EBME minimization. Signal Processing: Image Communication, 2008, 23, 451-462.	1.8	4
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