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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

129
papers

1,694
citations

22
h-index

36
g-index

176
ext. papers

2,268
ext. citations

4
avg, IF

5.6
L-index

#	Paper	IF	Citations
129	Exploiting global priors for RGB-D saliency detection 2015 ,		100
128	CU splitting early termination based on weighted SVM. <i>Eurasip Journal on Image and Video Processing</i> , 2013 , 2013,	2.5	97
127	Binocular Just-Noticeable-Difference Model for Stereoscopic Images. <i>IEEE Signal Processing Letters</i> , 2011 , 18, 19-22	3.2	82
126	Local and Global Feature Learning for Blind Quality Evaluation of Screen Content and Natural Scene Images. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 2086-2095	8.7	79
125	Weighted-to-Spherically-Uniform Quality Evaluation for Omnidirectional Video. <i>IEEE Signal Processing Letters</i> , 2017 , 1-1	3.2	78
124	. <i>IEEE Transactions on Multimedia</i> , 2016 , 18, 1077-1084	6.6	60
123	Depth no-synthesis-error model for view synthesis in 3-D video. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 2221-8	8.7	56
122	Boundary Artifact Reduction in View Synthesis of 3D Video: From Perspective of Texture-Depth Alignment. <i>IEEE Transactions on Broadcasting</i> , 2011 , 57, 510-522	4.7	55
121	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 3641-3649	7.3	55
120	Local gradient patterns (LGP): An effective local-statistical-feature extraction scheme for no-reference image quality assessment. <i>Information Sciences</i> , 2017 , 397-398, 1-14	7.7	52
119	GMNet: Graded-Feature Multilabel-Learning Network for RGB-Thermal Urban Scene Semantic Segmentation. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 7790-7802	8.7	47
118	Overview of AVS-video coding standards. <i>Signal Processing: Image Communication</i> , 2009 , 24, 247-262	2.8	38
117	. <i>IEEE Transactions on Multimedia</i> , 2020 , 1-1	6.6	36
116	Fast coding unit size selection for HEVC based on Bayesian decision rule 2012 ,		35
115	Multiscale multilevel context and multimodal fusion for RGB-D salient object detection. <i>Signal Processing</i> , 2021 , 178, 107766	4.4	34
114	ECFFNet: Effective and Consistent Feature Fusion Network for RGB-T Salient Object Detection. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 1-1	6.4	33
113	Blind quality estimator for 3D images based on binocular combination and extreme learning machine. <i>Pattern Recognition</i> , 2017 , 71, 207-217	7.7	32

112	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2011 , 21, 1890-1902	6.4	32
111	. <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1	6.6	30
110	Blind Binocular Visual Quality Predictor Using Deep Fusion Network. <i>IEEE Transactions on Computational Imaging</i> , 2020 , 6, 883-893	4.5	26
109	Pixel-Based Inter Prediction in Coded Texture Assisted Depth Coding. <i>IEEE Signal Processing Letters</i> , 2014 , 21, 74-78	3.2	23
108	Blind 3D image quality assessment based on self-similarity of binocular features. <i>Neurocomputing</i> , 2017 , 224, 128-134	5.4	23
107	Utilizing binocular vision to facilitate completely blind 3D image quality measurement. <i>Signal Processing</i> , 2016 , 129, 130-136	4.4	20
106	Framework of AVS2-video coding 2013 ,		20
105	HFNet: Hierarchical feedback network with multilevel atrous spatial pyramid pooling for RGB-D saliency detection. <i>Neurocomputing</i> , 2021 ,	5.4	19
104	On hardware architecture and processing order of HEVC intra prediction module 2013 ,		17
103	Deep Binocular Fixation Prediction using a Hierarchical Multimodal Fusion Network. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2021 , 1-1	3	17
102	RLLNet: a lightweight remaking learning network for saliency redetection on RGB-D images. <i>Science China Information Sciences</i> , 2022 , 65, 1	3.4	17
101	. <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1	6.6	16
100	Binocular visual characteristics based fragile watermarking scheme for tamper detection in stereoscopic images. <i>AEU - International Journal of Electronics and Communications</i> , 2016 , 70, 77-84	2.8	15
99	Overview of AVS-video: tools, performance and complexity 2005 ,		15
98	Fast mode decision method for all intra spatial scalability in SHVC 2014 ,		14
97	The Technique of Prescaled Integer Transform: Concept, Design and Applications. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2008 , 18, 84-97	6.4	14
96	MPEG Immersive Video Coding Standard. <i>Proceedings of the IEEE</i> , 2021 , 109, 1521-1536	14.3	14
95	Effective HEVC intra coding unit size decision based on online progressive Bayesian classification 2016 ,		13

94	CIMFNet: Cross-layer Interaction and Multiscale Fusion Network for Semantic Segmentation of High-Resolution Remote Sensing Images. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2022 , 1-1	7.5	13
93	Temporal consistency enhancement on depth sequences 2010 ,		12
92	Simulating binocular vision for no-reference 3D visual quality measurement. <i>Optics Express</i> , 2015 , 23, 23710-25	3.3	11
91	GFNet: Gate Fusion Network With Res2Net for Detecting Salient Objects in RGB-D Images. <i>IEEE Signal Processing Letters</i> , 2020 , 27, 800-804	3.2	11
90	A Spatio-Temporal Perceptual Quality Index Measuring Compression Distortions of Three-Dimensional Video. <i>IEEE Signal Processing Letters</i> , 2018 , 25, 214-218	3.2	11
89	A perceptual metric for evaluating quality of synthesized sequences in 3DV system 2010 ,		11
88	TMFNet: Three-Input Multilevel Fusion Network for Detecting Salient Objects in RGB-D Images. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2021 , 1-9	4.1	11
87	FRNet: Feature Reconstruction Network for RGB-D Indoor Scene Parsing. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2022 , 1-1	7.5	11
86	Deep Road Scene Understanding. <i>IEEE Signal Processing Letters</i> , 2019 , 26, 587-591	3.2	10
85	Video Surveillance on Mobile Edge Networks: A Reinforcement-Learning-Based Approach. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 4746-4760	10.7	10
84	Understanding MPEG-I Coding Standardization in Immersive VR/AR Applications. <i>Smpte Motion Imaging Journal</i> , 2019 , 128, 33-39	0.4	10
83	Structured Pruning for Efficient ConvNets via Incremental Regularization 2019 ,		10
82	Perceptual quality measurement of 3D images based on binocular vision. <i>Applied Optics</i> , 2015 , 54, 6549-6572		9
81	Coding optimization based on weighted-to-spherically-uniform quality metric for 360 video 2017 ,		8
80	An In-Loop Filter Based on Low-Complexity CNN using Residuals in Intra Video Coding 2019 ,		8
79	Rate-Distortion Optimization for depth map coding with distortion estimation of synthesized view 2013 ,		8
78	A hardware implementation for full-search motion estimation of AVS with search center prediction. <i>IEEE Transactions on Consumer Electronics</i> , 2006 , 52, 1356-1361	4.8	8
77	APNet: Adversarial Learning Assistance and Perceived Importance Fusion Network for All-Day RGB-T Salient Object Detection. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2021 , 1-12	4.1	8

76	A novel interpolation-free scheme for fractional pixel motion estimation 2015,		7
75	Fast HEVC intra coding unit size decision based on an improved Bayesian classification framework 2013,		7
74	Review of the current and future technologies for video compression. <i>Journal of Zhejiang University: Science C</i> , 2010 , 11, 1-13		7
73	Blind screen content image quality measurement based on sparse feature learning. <i>Signal, Image and Video Processing</i> , 2019 , 13, 525-530	1.6	7
72	. <i>IEEE Transactions on Multimedia</i> , 2021 , 1-1	6.6	7
71	Texture-Aware Depth Prediction in 3D Video Coding. <i>IEEE Transactions on Broadcasting</i> , 2016 , 62, 482-487		6
70	The technique of pre-scaled integer transform		6
69	Full-reference perceptual quality assessment for stereoscopic images based on primary visual processing mechanism 2016,		5
68	Video decoder reconfigurations and AVS extensions in the new MPEG reconfigurable video coding framework 2008,		5
67	A Content-adaptive Fast Multiple Reference Frames Motion Estimation in H.264 2007,		5
66	A novel HDTV video decoder and decentralized control scheme. <i>IEEE Transactions on Consumer Electronics</i> , 2001 , 47, 723-728	4.8	5
65	Triplet Distillation For Deep Face Recognition 2020,		5
64	Intelligent Video Surveillance based on Mobile Edge Networks 2018,		5
63	Subjective study of binocular rivalry in stereoscopic images with transmission and compression artifacts 2013,		4
62	A hardware-oriented IME algorithm and its implementation for HEVC 2014,		4
61	AVS2-video coding standard - An application-oriented and high performance video coding standard 2014,		4
60	Suppressing texture-depth misalignment for boundary noise removal in view synthesis 2010,		4
59	TSFNet: Two-Stage Fusion Network for RGB-T Salient Object Detection. <i>IEEE Signal Processing Letters</i> , 2021 , 28, 1655-1659	3.2	4

58	Two-Stage Cascaded Decoder for Semantic Segmentation of RGB-D Images. <i>IEEE Signal Processing Letters</i> , 2021 , 28, 1115-1119	3.2	4
57	Structured Pruning for Efficient Convolutional Neural Networks via Incremental Regularization. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2020 , 14, 775-788	7.5	3
56	Extrema points coding based on empirical mode decomposition: An improved image sub-band coding method. <i>Computers and Electrical Engineering</i> , 2013 , 39, 882-892	4.3	3
55	Library based coding for videos with repeated scenes 2015 ,		3
54	Improved segment-wise DC coding for HEVC intra prediction of depth maps 2014 ,		3
53	An Overview of 3D-TV System Using Depth-Image-Based Rendering 2013 , 3-35		3
52	An efficient hardware design for HDTV H.264/AVC encoder. <i>Journal of Zhejiang University: Science C</i> , 2011 , 12, 499-506		3
51	Reconfigurable video coding framework and decoder reconfiguration instantiation of AVS. <i>Signal Processing: Image Communication</i> , 2009 , 24, 287-299	2.8	3
50	A parallel and area-efficient architecture for deblocking filter and Adaptive Loop Filter 2011 ,		3
49	Memory bandwidth efficient hardware architecture for AVS encoder. <i>IEEE Transactions on Consumer Electronics</i> , 2008 , 54, 675-680	4.8	3
48	Three-branch architecture for stereoscopic 3D salient object detection 2020 , 106, 102818		3
47	Three-Dimensional Convolutional Neural Network Pruning with Regularization-Based Method 2019 ,		3
46	Deep blind quality evaluator for multiply distorted images based on monogenic binary coding. <i>Journal of Visual Communication and Image Representation</i> , 2019 , 60, 305-311	2.7	2
45	Adaptive Weighted Averaged Template Matching Prediction for Intra Coding 2018 ,		2
44	CNN-Based Bi-Prediction Utilizing Spatial Information for Video Coding 2019 ,		2
43	Multipath Routing of Multiple Description Coded Images in Wireless Networks. <i>Journal of Computer Science and Technology</i> , 2014 , 29, 576-588	1.7	2
42	A hardware CABAC encoder for HEVC 2013 ,		2
41	Detection model of luster effect in binocular rivalry 2014 ,		2

40	Transform coding in AVS2 2014 ,		2
39	Multi-directional skip and direct modes design in bi-predictive slices for AVS2 standard 2014 ,		2
38	Special issue on AVS and its applications: Guest editorial. <i>Signal Processing: Image Communication</i> , 2009 , 24, 245-246	2.8	2
37	Video transmission using advanced partial backward decodable bit stream (APBDBS). <i>Journal of Visual Communication and Image Representation</i> , 2007 , 18, 186-190	2.7	2
36	Low-Complexity Tools in AVS Part 7. <i>Journal of Computer Science and Technology</i> , 2006 , 21, 345-353	1.7	2
35	Efficient fixed-point approximations of the 8x8 inverse discrete cosine transform 2007 ,		2
34	An Area-efficient VLSI Implementation of CA-2D-VLC Decoder for AVS 2007 ,		2
33	An AVS-to-MPEG2 transcoding system		2
32	A decoder architecture for advanced video coding standard 2005 ,		2
31	Spatial quality index based rate perceptual-distortion optimization for video coding. <i>Journal of Visual Communication and Image Representation</i> , 2016 , 38, 423-432	2.7	2
30	A YCbCr Color Depth Packing Method and its Extension for 3D Video Broadcasting Services. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2020 , 30, 3043-3053	6.4	2
29	Possibility distribution based lossless coding and its optimization. <i>Signal Processing</i> , 2018 , 150, 122-134	4.4	2
28	No-reference stereoscopic image quality measurement based on generalized local ternary patterns of binocular energy response. <i>Measurement Science and Technology</i> , 2015 , 26, 095404	2	1
27	A reversibility-gain model for integer Karhunen-Loève transform design in video coding. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2015 , 16, 883-891	2.2	1
26	Crowdsourcing Based Cross Random Access Point Referencing for Video Coding. <i>IEEE Signal Processing Letters</i> , 2020 , 27, 560-564	3.2	1
25	Block-Based In-Loop View Synthesis for 3-D Video Coding. <i>IEEE Signal Processing Letters</i> , 2014 , 21, 441-444	3.4	1
24	A cost-efficient hardware architecture of deblocking filter in HEVC 2014 ,		1
23	Distributed video coding with adaptive selection of hash functions. <i>Journal of Zhejiang University: Science C</i> , 2011 , 12, 387-396		1

22	Evaluating video quality with temporal noise 2010 ,		1
21	Motion estimation with Second Order Prediction 2011 ,		1
20	Block-Interleaved Error-Resilient Entropy Coding 2007 ,		1
19	Modeling Natural Image for Estimating DCT Coefficient Properties of Intra Prediction 2007 ,		1
18	Scene-library-based video coding scheme exploiting long-term temporal correlation. <i>Journal of Electronic Imaging</i> , 2017 , 26, 1	0.7	1
17	NOMA based VR Video Transmissions Exploiting User Behavioral Coherence 2020 ,		1
16	Opinion-unaware blind picture quality measurement using deep encoder-decoder architecture 2020 , 107, 102834		1
15	Low Pixel Rate 3DoF+ Video Compression Via Unpredictable Region Cropping 2019 ,		1
14	Adaptive QP with Tile Partition and Padding to Remove Boundary Artifacts for 360 Video Coding 2019 ,		1
13	Convolutional Neural Network Based Bi-Prediction Utilizing Spatial and Temporal Information in Video Coding. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2019 , 1-1	6.4	1
12	Multi-layer fusion network for blind stereoscopic 3D visual quality prediction. <i>Signal Processing: Image Communication</i> , 2021 , 91, 116095	2.8	1
11	. <i>IEEE Signal Processing Letters</i> , 2021 , 28, 1525-1529	3.2	1
10	Parallax-Estimation-Enhanced Network With Interweave Consistency Feature Fusion for Binocular Salient Object Detection. <i>IEEE Signal Processing Letters</i> , 2021 , 28, 927-931	3.2	1
9	Long-term prediction for hierarchical-B-picture-based coding of video with repeated shots. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2018 , 19, 459-470	2.2	1
8	Reinforcement Learning-based Mobile Edge Computing and Transmission Scheduling for Video Surveillance. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2021 , 1-1	4.1	1
7	Hash signature saving in distributed video coding. <i>Journal of Zhejiang University: Science C</i> , 2011 , 12, 163-170		0
6	Highly parallel implementation of sub-pixel interpolation for AVS HDTV decoder. <i>Journal of Zhejiang University: Science A</i> , 2008 , 9, 1638-1643	2.1	0
5	Codec-Simulation Network for Joint Optimization of Video Coding With Pre- and Post-Processing. <i>IEEE Open Journal of Circuits and Systems</i> , 2021 , 2, 648-659	1.7	0

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- 3 Boundary-aware pyramid attention network for detecting salient objects in RGB-D images **2021**, 111, 102975 ○
- 2 . *IEEE Signal Processing Letters*, **2021**, 1-1 3.2
- 1 Virtual View Synthesis and Artifact Reduction Techniques **2013**, 145-167