Peter Schelkens

List of Publications by Year
in descending order

271 papers	2,918 citations	279701 23 h-index	302012 39 g-index
310 all docs	310 docs citations	310 times ranked	1687 citing authors

#	Article	IF	Citations
1	Wavelet coding of volumetric medical datasets. IEEE Transactions on Medical Imaging, 2003, 22, 441-458.	5.4	148
2	JPEG Pleno: Toward an Efficient Representation of Visual Reality. IEEE MultiMedia, 2016, 23, 14-20.	1.5	136
3	In-band motion compensated temporal filtering. Signal Processing: Image Communication, 2004, 19, 653-673.	1.8	121
4	Signal processing challenges for digital holographic video display systems. Signal Processing: Image Communication, 2019, 70, 114-130.	1.8	103
5	Wavelet based volumetric medical image compression. Signal Processing: Image Communication, 2015, 31, 112-133.	1.8	96
6	Computer-generated holograms by multiple wavefront recording plane method with occlusion culling. Optics Express, 2015, 23, 22149.	1.7	80
7	JPEG 2000-based compression of fringe patterns for digital holographic microscopy. Optical Engineering, 2014, 53, 123102.	0.5	47
8	Compressive Optical Imaging: Architectures and Algorithms. , 2011, , 485-505.		45
9	End-To-End Security for Video Distribution: The Combination of Encryption, Watermarking, and Video Adaptation. IEEE Signal Processing Magazine, 2013, 30, 97-107.	4.6	44
10	Combined Wavelet-Domain and Motion-Compensated Video Denoising Based on Video Codec Motion Estimation Methods. IEEE Transactions on Circuits and Systems for Video Technology, 2009, 19, 417-421.	5.6	42
11	Colour computer-generated holography for point clouds utilizing the Phong illumination model. Optics Express, 2018, 26, 10282.	1.7	42
12	Objective and subjective evaluation of light field image compression algorithms. , 2016, , .		38
13	JPEG Pleno: Providing representation interoperability for holographic applications and devices. ETRI Journal, 2019, 41, 93-108.	1.2	37
14	Accelerated computer generated holography using sparse bases in the STFT domain. Optics Express, 2018, 26, 1461.	1.7	36
15	Side-Information-Dependent Correlation Channel Estimation in Hash-Based Distributed Video Coding. IEEE Transactions on Image Processing, 2012, 21, 1934-1949.	6.0	35
16	Deep-Learning Computational Holography: A Review. Frontiers in Photonics, 2022, 3, .	1.1	32
17	Complete-to-overcomplete discrete wavelet transforms: theory and applications. IEEE Transactions on Signal Processing, 2005, 53, 1398-1412.	3.2	31
18	Scalable Joint Source-Channel Coding for the Scalable Extension of H.264/AVC. IEEE Transactions on Circuits and Systems for Video Technology, 2008, 18, 1657-1670.	5.6	31

#	Article	IF	Citations
19	From Sparse Coding Significance to Perceptual Quality: A New Approach for Image Quality Assessment. IEEE Transactions on Image Processing, 2018, 27, 879-893.	6.0	31
20	Unconstrained motion compensated temporal filtering (UMCTF) for efficient and flexible interframe wavelet video coding. Signal Processing: Image Communication, 2005, 20, 1-19.	1.8	30
21	Embedded Multiple Description Coding of Video. IEEE Transactions on Image Processing, 2006, 15, 3114-3130.	6.0	30
22	Open access database for experimental validations of holographic compression engines. , 2015, , .		29
23	Spatio-Temporally Consistent Color and Structure Optimization for Multiview Video Color Correction. IEEE Transactions on Multimedia, 2015, 17, 577-590.	5.2	28
24	Overlapped Block Motion Estimation and Probabilistic Compensation with Application in Distributed Video Coding. IEEE Signal Processing Letters, 2009, 16, 743-746.	2.1	26
25	The near shift-invariance of the dual-tree complex wavelet transform revisited. Journal of Mathematical Analysis and Applications, 2012, 389, 1303-1314.	0.5	26
26	Statistical multiplexing using SVC. , 2008, , .		23
27	Wyner-Ziv video coding for wireless lightweight multimedia applications. Eurasip Journal on Wireless Communications and Networking, 2012, 2012, .	1.5	23
28	Accurate label-free 3-part leukocyte recognition with single cell lens-free imaging flow cytometry. Computers in Biology and Medicine, 2018, 96, 147-156.	3.9	23
29	JPEG Pleno light field coding technologies. , 2019, , .		23
30	Scalable Intraband and Composite Wavelet-Based Coding of Semiregular Meshes. IEEE Transactions on Multimedia, 2010, 12, 773-789.	5.2	22
31	Efficient multiscale phase unwrapping methodology with modulo wavelet transform. Optics Express, 2016, 24, 23094.	1.7	22
32	Suitability analysis of holographic vs light field and 2D displays for subjective quality assessment of Fourier holograms. Optics Express, 2020, 28, 37069.	1.7	22
33	Dynamic-range compression scheme for digital hologram using a deep neural network. Optics Letters, 2019, 44, 3038.	1.7	21
34	<title>Complete-to-overcomplete discrete wavelet transforms for scalable video coding with MCTF</title>. , 2003, , .		20
35	Maximum Likelihood Laplacian Correlation Channel Estimation in Layered Wyner-Ziv Coding. IEEE Transactions on Signal Processing, 2014, 62, 892-904.	3.2	20
36	Global motion compensation for compressing holographic videos. Optics Express, 2018, 26, 25524.	1.7	20

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37	Bottom-up motion compensated prediction in wavelet domain for spatially scalable video coding. Electronics Letters, 2002, 38, 1251.	0.5	19
38	Wavelet-based scalable L-infinity-oriented compression. IEEE Transactions on Image Processing, 2006, 15, 2499-2512.	6.0	19
39	A Locally Adaptive System for the Fusion of Objective Quality Measures. IEEE Transactions on Image Processing, 2014, 23, 2446-2458.	6.0	19
40	Compression of digital holographic data: an overview. Proceedings of SPIE, 2015, , .	0.8	19
41	JPEG Pleno holography: scope and technology validation procedures. Applied Optics, 2021, 60, 641.	0.9	19
42	Impact of JPEG 2000 compression on deep convolutional neural networks for metastatic cancer detection in histopathological images. Journal of Medical Imaging, 2019, 6, 1.	0.8	19
43	Phase added sub-stereograms for accelerating computer generated holography. Optics Express, 2020, 28, 16924.	1.7	19
44	Separation of CARS image contributions with a Gaussian mixture model. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2010, 27, 1361.	0.8	18
45	A new method for complete-to-overcomplete discrete wavelet transforms. , 0, , .		17
46	Ultrasound Imaging From Sparse RF Samples Using System Point Spread Functions. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 316-326.	1.7	17
47	Photorealistic computer generated holography with global illumination and path tracing. Optics Letters, 2021, 46, 2188.	1.7	17
48	High-Level Cache Modeling for 2-D Discrete Wavelet Transform Implementations. Journal of Signal Processing Systems, 2003, 34, 209-226.	1.0	16
49	MESHGRIDâ€"A Compact, Multiscalable and Animation-Friendly Surface Representation. IEEE Transactions on Circuits and Systems for Video Technology, 2004, 14, 950-966.	5.6	16
50	Distributed Video Coding with Shared Encoder/Decoder Complexity. , 2007, , .		16
51	Digital canvas removal in paintings. Signal Processing, 2012, 92, 1166-1171.	2.1	16
52	Unitary Transforms Using Time-Frequency Warping for Digital Holograms of Deep Scenes. IEEE Transactions on Computational Imaging, 2018, 4, 206-218.	2.6	16
53	Embedded multiple description scalar quantisers. Electronics Letters, 2003, 39, 979.	0.5	15
54	Motion and texture rate-allocation for prediction-based scalable motion-vector coding. Signal Processing: Image Communication, 2005, 20, 315-342.	1.8	15

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55	Distributed coding of endoscopic video. , 2011, , .		15
56	Efficient MRF-based disocclusion inpainting in multiview video. , 2016, , .		15
57	Studies on the sparsifying operator in compressive digital holography. Optics Express, 2017, 25, 18656.	1.7	15
58	Regularized non-convex image reconstruction in digital holographic microscopy. Optics Express, 2017, 25, 16491.	1.7	15
59	JPEG Pleno: a standard framework for representing and signaling plenoptic modalities. , 2018, , .		15
60	Wave atoms for digital hologram compression. Applied Optics, 2019, 58, 6193.	0.9	15
61	Wavelet-based fixed and embedded L-infinite-constrained image coding. Journal of Electronic Imaging, 2003, 12, 522.	0.5	14
62	Synthesized View Quality Assessment Using Feature Matching and Superpixel Difference. IEEE Signal Processing Letters, 2020, 27, 1650-1654.	2.1	13
63	Real-Time Computation of 3D Wireframes in Computer-Generated Holography. IEEE Transactions on Image Processing, 2021, 30, 9418-9428.	6.0	13
64	On the Optimality of Embedded Deadzone Scalar-Quantizers for Wavelet-Based L-Infinite-Constrained Image Coding. IEEE Signal Processing Letters, 2004, 11, 367-370.	2.1	12
65	Scalable motion vector coding. Electronics Letters, 2004, 40, 932.	0.5	12
66	Generalisation of embedded multiple description scalar quantisers. Electronics Letters, 2005, 41, 63.	0.5	12
67	Scalable, Wavelet-Based Video: From Server to Hardware-Accelerated Client. IEEE Transactions on Multimedia, 2007, 9, 1508-1519.	5.2	12
68	Robust Image Content Authentication with Tamper Location. , 2012, , .		12
69	Wavelet coding of off-axis holographic images. Proceedings of SPIE, 2013, , .	0.8	12
70	Progressively refined wyner-ziv video coding for visual sensors. ACM Transactions on Sensor Networks, 2014, 10, 1-34.	2.3	12
71	Exact global motion compensation for holographic video compression. Applied Optics, 2019, 58, G204.	0.9	12
72	Performance analysis of JPEG Pleno light field coding. , 2019, , .		12

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73	Scalable Joint Source and Channel Coding of Meshes. IEEE Transactions on Multimedia, 2008, 10, 503-513.	5.2	11
74	Depth-based view synthesis using pixel-level image inpainting. , 2013, , .		11
75	HEVC-based video coding with lossless region of interest for telemedicine applications. , 2013, , .		11
76	Microscopic off-axis holographic image compression with JPEG 2000. , 2014, , .		11
77	Analytic computation of line-drawn objects in computer generated holography. Optics Express, 2020, 28, 31226.	1.7	11
78	Scalable Multiple-Description Image Coding Based on Embedded Quantization. Eurasip Journal on Image and Video Processing, 2007, 2007, 1-11.	1.7	10
79	Encoder-driven rate control and mode decision for distributed video coding. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.0	10
80	An Implementation of multiple Region-Of-Interest Models in H.264/AVC. , 2008, , 215-225.		10
81	Object-based digital hologram segmentation and motion compensation. Optics Express, 2020, 28, 11861.	1.7	9
82	A comparative study of scalable video coding schemes utilizing wavelet technology. , 2004, , .		8
83	Information-Theoretic Analysis of Dependencies Between Curvelet Coefficients. , 2006, , .		8
84	Compression of medical volumetric datasets: physical and psychovisual performance comparison of the emerging JP3D standard and JPEG2000. , 2007, , .		8
85	On the side-information dependency of the temporal correlation in Wyner-Ziv video coding. , 2009, , .		8
86	Multispectral imaging for digital painting analysis: a Gauguin case study. , 2010, , .		8
87	GPU-accelerated calculation of computer-generated holograms for line-drawn objects. Optics Express, 2021, 29, 12849.	1.7	8
88	Comparative Study of Wavelet Based Lattice QIM Techniques and Robustness against AWGN and JPEG Attacks. Lecture Notes in Computer Science, 2009, , 39-53.	1.0	8
89	An overview of the emerging JPEG Pleno standard, conformance testing and reference software. , 2020, , .		8
90	Wavelet-based compression of medical images: Protocols to improve resolution and quality scalability and region-of-interest coding. Future Generation Computer Systems, 1999, 15, 171-184.	4.9	7

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91	Modeling the Correlation Noise in Spatial Domain Distributed Video Coding. , 2009, , .		7
92	Transform-domain Wyner-Ziv video coding for 1K-pixel visual sensors. , 2013, , .		7
93	JPSearch: An answer to the lack of standardization in mobile image retrieval. Signal Processing: Image Communication, 2013, 28, 386-401.	1.8	7
94	Performance optimizations for PatchMatch-based pixel-level multiview inpainting. , 2013, , .		7
95	Speckle noise reduction for computer generated holograms of objects with diffuse surfaces. Proceedings of SPIE, 2016, , .	0.8	7
96	A novel MPI reduction algorithm resilient to imbalances in process arrival times. Journal of Supercomputing, 2016, 72, 1973-2013.	2.4	7
97	Providing a Visual Understanding of Holography Through Phase Space Representations. Applied Sciences (Switzerland), 2020, 10, 4766.	1.3	7
98	Cross Data Set Performance Consistency of Objective Quality Assessment Methods for Light Fields. , 2020, , .		7
99	Comprehensive performance analysis of objective quality metrics for digital holography. Signal Processing: Image Communication, 2021, 97, 116361.	1.8	7
100	Optimization of phase-only holograms calculated with scaled diffraction calculation through deep neural networks. Applied Physics B: Lasers and Optics, 2022, 128, 1.	1.1	7
101	Compression strategies for digital holograms in biomedical and multimedia applications. , 2022, 3, 1.		7
102	JPEG2000 Part 10: volumetric imaging. , 2003, , .		6
103	Wavelet-based scalable L-infinity-oriented coding of MPEG-4 MESHGRID surface models. , 2005, , .		6
104	Optimal Joint Source-Channel Coding using Unequal Error Protection for the Scalable Extension of H.264/MPEG-4 AVC. , 2007, , .		6
105	Scalable L-Infinite Coding of Meshes. IEEE Transactions on Visualization and Computer Graphics, 2010, 16, 513-528.	2.9	6
106	Fundamentals of Image Processing. , 2011, , 71-96.		6
107	Subjective quality assessment of numerically reconstructed compressed holograms. Proceedings of SPIE, 2015, , .	0.8	6
108	Three-dimensional rendering of computer-generated holograms acquired from point-clouds on light field displays. Proceedings of SPIE, 2016, , .	0.8	6

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109	A Multi-Attribute Blind Quality Evaluator for Tone-Mapped Images. IEEE Transactions on Multimedia, 2020, 22, 1939-1954.	5.2	6
110	Omnidirectional Video Quality Index Accounting for Judder. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 61-75.	5.6	6
111	On the performance of objective quality metrics for lightfields. Signal Processing: Image Communication, 2021, 93, 116179.	1.8	6
112	Validation of dynamic subjective quality assessment methodology for holographic coding solutions. , 2021, , .		6
113	Performance Evaluation of Sparseness Significance Ranking Measure (SSRM) on Holographic Content. , 2018, , .		6
114	Efficient holographic video generation based on rotational transformation of wavefields. Optics Express, 2019, 27, 37383.	1.7	6
115	Spatial bandwidth-optimized compression of image plane off-axis holograms with image and video codecs. Optics Express, 2020, 28, 27873.	1.7	6
116	A wavelet-tree image coding system with efficient memory utilization. , 0, , .		6
117	Efficient implementation of embedded zero-tree wavelet encoding. , 0, , .		5
118	<title>Compression of volumetric medical data based on cube splitting</title>. , 2000, , .		5
119	Wavelet-based L-infinite scalable coding. Electronics Letters, 2002, 38, 1338.	0.5	5
120	Embedded multiple description scalar quantizers for progressive image transmission. , 2003, , .		5
121	Detection of activity pattern changes among elderly with 3D camera technology. , 2008, , .		5
122	Error protection of scalable soures: A comparative analysis of Forward Error Correction and Multiple Description Coding. , 2009, , .		5
123	Spatial-domain unidirectional DVC with side-information dependent correlation channel estimation. , 2009, , .		5
124	Correlation channel estimation in pixel-domain distributed video coding. , 2009, , .		5
125	The JPEG 2000 family of standards. Proceedings of SPIE, 2009, , .	0.8	5
126	Design of an H.264/SVC resilient watermarking scheme. , 2010, , .		5

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127	Joint DC coefficient band decoding and motion estimation in Wyner-Ziv video coding. , 2011, , .		5
128	Efficient hash-driven Wyner-Ziv video coding for visual sensors. , 2011, , .		5
129	Probabilistic motion-compensated prediction in distributed video coding. Multimedia Tools and Applications, 2013, 66, 405-430.	2.6	5
130	Wavelet-Based ${L_\infty}$ Semi-regular Mesh Coding. IEEE Transactions on Multimedia, 2017, 19, 236-250.	5.2	5
131	Bounds and Conditions for Compressive Digital Holography Using Wavelet Sparsifying Bases. IEEE Transactions on Computational Imaging, 2017, 3, 592-604.	2.6	5
132	An Offline Bidirectional Tracking Scheme. Lecture Notes in Computer Science, 2005, , 587-594.	1.0	5
133	On Hybrid Directional Transform-Based Intra-band Image Coding. Lecture Notes in Computer Science, 2007, , 1049-1060.	1.0	5
134	An exploratory study towards objective quality evaluation of digital hologram coding tools. , 2019, , .		5
135	Additive Distortion Modeling for Unequal Error Protection of Scalable Multimedia Content. , 0, , .		4
136	Single-rate calculation of overcomplete discrete wavelet transforms for scalable coding applications. Signal Processing, 2005, 85, 1103-1124.	2.1	4
137	Segmentation-Driven Direction-Adaptive Discrete Wavelet Transform. Proceedings International Conference on Image Processing, 2007, , .	0.0	4
138	Analysis of the Statistical Dependencies in the Curvelet Domain and Applications in Image Compression. Lecture Notes in Computer Science, 2007, , 1061-1071.	1.0	4
139	Impact of JPEG 2000 compression on lesion detection in MR imaging. Medical Physics, 2009, 36, 4967-4976.	1.6	4
140	Optimized scalable Multiple-Description Coding and FEC-based Joint Source-Channel Coding: A performance comparison. , 2009, , .		4
141	A statistical approach to create side information in distributed video coding. , 2011, , .		4
142	Forensic data hiding optimized for JPEG 2000. , 2011, , .		4
143	Symmetric Scalable Multiple Description Scalar Quantization. IEEE Transactions on Signal Processing, 2012, 60, 3628-3643.	3.2	4
144	Maximum likelihood motion compensation for distributed video coding. Integrated Computer-Aided Engineering, 2012, 19, 215-227.	2.5	4

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145	Efficient intra-frame video coding for low resolution wireless visual sensors. , 2013, , .		4
146	The JPEG XT suite of standards: status and future plans. , 2015, , .		4
147	Globally optimized multiview video color correction using dense spatio-temporal matching. , 2015, , .		4
148	JPEG Privacy and Security framework for social networking and GLAM services. Eurasip Journal on Image and Video Processing, 2017, 2017, .	1.7	4
149	Fingerprinting Codes Under the Weak Marking Assumption. IEEE Transactions on Information Forensics and Security, 2018, 13, 1495-1508.	4.5	4
150	Fast and robust Fourier domain-based classification for on-chip lens-free flow cytometry. Optics Express, 2018, 26, 14329.	1.7	4
151	Wave Atoms for Lossy Compression of Digital Holograms. , 2019, , .		4
152	Deep-learning-assisted Hologram Calculation via Low-Sampling Holograms. , 2019, , .		4
153	Fast Low-Precision Computer-Generated Holography on GPU. Applied Sciences (Switzerland), 2021, 11, 6235.	1.3	4
154	A new similarity measure for complex amplitude holographic data. , 2017, , .		4
155	Binary hologram compression using context based Bayesian tree models with adaptive spatial segmentation.. Optics Express, 0, , .	1.7	4
156	<title>Error protection and concealment of motion vectors in MCTF-based video coding</title>. , 2004, , .		3
157	A new family of embedded multiple description scalar quantizers. , 0, , .		3
158	Constant quality video coding using video content analysis. Signal Processing: Image Communication, 2005, 20, 343-369.	1.8	3
159	Robust Motion Vector Coding and Error Concealment in MCTF-Based Video Coding. , 0, , .		3
160	An optimized 3D context model for JPEG2000 Part 10. , 2007, , .		3
161	Context-conditioned composite coding of 3D meshes based on wavelets on surfaces. , 2009, , .		3
162	Estimation of interband and intraband statistical dependencies in wavelet-based decomposition of meshes. , 2009, , .		3

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163	Experimental study of canvas characterization for paintings. Proceedings of SPIE, 2010, , .	0.8	3
164	JPSearch: Metadata Interoperability During Image Exchange [Standards in a Nutshell]. IEEE Signal Processing Magazine, 2012, 29, 134-139.	4.6	3
165	Lossy-to-lossless screen content coding using an HEVC base-layer. , 2013, , .		3
166	Reversible DCT-based lossy-to-lossless still image compression. , 2013, , .		3
167	Classification of microcalcifications using micro-CT. Proceedings of SPIE, 2013, , .	0.8	3
168	Compressed digital holography: from micro towards macro. , 2016, , .		3
169	Efficient Depth-aware Image Deformation Adaptation for Curved Screen Displays. , 2017, , .		3
170	Reduced-reference quality assessment of multiply-distorted images based on structural and uncertainty information degradation. Journal of Visual Communication and Image Representation, 2018, 57, 125-137.	1.7	3
171	Visual Quality Analysis of Judder Effect on Head Mounted Displays. , 2019, , .		3
172	Scalable and Channel-Adaptive Unequal Error Protection of Images with LDPC Codes. Lecture Notes in Computer Science, 2006, , 722-733.	1.0	3
173	New procedures to evaluate visually lossless compression for display systems. , 2017, , .		3
174	Compressing Macroscopic Near-field Digital Holograms With Wave Atoms. , 2018, , .		3
175	Variable-intensity line 3D images drawn using kinoform-type electroholography superimposed with phase error. Optics Express, 2022, 30, 27884.	1.7	3
176	<title>MAXAD distortion minimization for wavelet compression of remote sensing data</title>. , 2001, , .		2
177	<title>Compression and multifunctionality support of multispectral satellite data</title>. , 2001, , .		2
178	Cache misses and energy-dissipation results for JPEG-2000 filtering. , 0, , .		2
179	Scalable motion vector coding. , 2004, , .		2
180	Error-resilient video coding using motion compensated temporal filtering and embedded multiple description scalar quantizers. , 2005, , .		2

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181	Power-aware computing systems. International Journal of Embedded Systems, 2007, 3, 3.	0.2	2
182	A Low-Complexity UEP Methodology Demonstrated on a Turbo-Encoded Wavelet Image Satellite Downlink. Eurasip Journal on Wireless Communications and Networking, 2007, 2008, .	1.5	2
183	Platform-scalable Task Partition and Multilevel Buffering in Multi-processor Plessey Corner Detector. International Conference on Application of Concurrency To System Design, 2007, , .	0.0	2
184	Intra-frame video coding using an open-loop predictive coding approach. , 2008, , .		2
185	Towards fully user transparent task and data parallel image processing. , 2009, , .		2
186	Fully scalable intraband coding of wavelet-decomposed 3D meshes. , 2009, , .		2
187	A probabilistic predictor for side information generation in distributed video coding. , 2011, , .		2
188	Phase-Space Tomography of Optical Beams. , 2011, , 789-808.		2
189	Demo: Distributed video coding applications in wireless multimedia sensor networks. , 2011, , .		2
190	Iterative Wyner-Ziv decoding and successive side-information refinement in feedback channel-free hash-based distributed video coding. Proceedings of SPIE, 2012, , .	0.8	2
191	Visually lossless screen content coding using HEVC base-layer. , 2013, , .		2
192	Lossy contour-coding in segmentation-based intra-depth map coding. Proceedings of SPIE, 2013, , .	0.8	2
193	Continuous ultrasound speckle tracking with Gaussian mixtures. , 2015, 2015, 129-32.		2
194	CDF 9/7 wavelets as sparsifying operator in compressive holography. , 2015, , .		2
195	Selecting stimuli parameters for video quality assessment studies based on perceptual similarity distances. , 2015, , .		2
196	A New Similarity Measure for Complex Valued Data. , 2016, , .		2
197	Accuracy and robustness evaluation in stereo matching. Proceedings of SPIE, 2016, , .	0.8	2
198	Integer Fresnel Transform for Lossless Hologram Compression. , 2019, , .		2

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199	Deep-Learning-Based Dynamic Range Compression for 3D Scene Hologram. Springer Proceedings in Physics, 2021, , 41-44.	0.1	2
200	Scalable Multiple-Description Image Coding Based on Embedded Quantization. Eurasip Journal on Image and Video Processing, 2007, 2007, 081813.	1.7	2
201	Reconstruction Resilience to Subsampling in Compressive Fresnel Holography. , 2015, , .		2
202	Standardization of Holographic Compression: JPEG Pleno. , 2020, , .		2
203	Pincushion point-spread function for computer-generated holography. Optics Letters, 2022, 47, 2077-2080.	1.7	2
204	Miniaturized cost-effective broadband spectrometer employing a deconvolution reconstruction algorithm for resolution enhancement. Optics Express, 2022, 30, 11459.	1.7	2
205	Three-dimensional hologram calculations using blocked radial and windmill point spread functions. Optics Express, 2021, 29, 44283.	1.7	2
206	Wavelet-based fixed and embedded L-infinite-constrained coding. , 0, , .		1
207	<title>Scalable multiple description coding of video using motion-compensated temporal filtering and embedded multiple description scalar quantization</title>. , 2004, 5607, 81.		1
208	Complexity scalable motion-compensated temporal filtering. , 2004, , .		1
209	Impact of source-independent modeling on unequal error protection for JPEG2000 images. , 2006, 6383, 66.		1
210	Joint Source-Channel Coding for the Scalable Extension of H.264/MPEG-4 AVC. , 2007, , .		1
211	Compressed-domain motion detection for efficient and error-resilient MPEG-2 to H.264 transcoding. , 2007, , .		1
212	Multidimensional illumination and image processing techniques in the W-band for recognition of concealed objects. , 2007, , .		1
213	Statistical L-infinite distortion estimation in scalable coding of meshes. , 2008, , .		1
214	Design and evaluation of sparse quantization index modulation watermarking schemes. Proceedings of SPIE, 2008, , .	0.8	1
215	Fibered fluorescence microscopy (FFM) of intra epidermal nerve fibers--translational marker for peripheral neuropathies in preclinical research: processing and analysis of the data. , 2008, , .		1
216	Perceptually optimal compression for heterogeneous image content in the context of medical networked applications. Proceedings of SPIE, 2010, , .	0.8	1

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217	Spatially adaptive bases in wavelet-based coding of semi-regular meshes. Proceedings of SPIE, 2010, , .	0.8	1
218	Labelling bins for lattice quantization index modulation. , 2010, , .		1
219	Efficient error control in 3D mesh coding. , 2010, , .		1
220	Human Face Recognition and Image Statistics using Matlab. , 2011, , 809-831.		1
221	On the use of directional transforms for still image coding. Proceedings of SPIE, 2011, , .	0.8	1
222	L-infinite Coding of 3D Representations of Human Affect. , 2012, , .		1
223	Segmentation-based intra coding of depth maps using texture information. , 2013, , .		1
224	Interactive demonstrations of the locally adaptive fusion for combining objective quality measures. , 2014, , .		1
225	Image quality assessment using Takagi-Sugeno-Kang fuzzy model. , 2015, , .		1
226	Heterogeneous Acceleration of Volumetric JPEG 2000. , 2015, , .		1
227	Introduction to the Issue on Measuring Quality of Experience for Advanced Media Technologies and Services. IEEE Journal on Selected Topics in Signal Processing, 2017, 11, 3-5.	7.3	1
228	Reduced-reference image quality assessment based on internal generative mechanism utilizing shearlets and RÃ©nyi entropy analysis. , 2017, , .		1
229	A Just Noticeable Difference Subjective Test for High Dynamic Range Images. , 2018, , .		1
230	Modeling Wavelet Coefficients for Wavelet Subdivision Transforms of 3D Meshes. Lecture Notes in Computer Science, 2010, , 267-278.	1.0	1
231	Information processing challenges of full parallax light field displays. , 2018, , .		1
232	Mosaicing of Fibered Fluorescence Microscopy Video. Lecture Notes in Computer Science, 2008, , 915-923.	1.0	1
233	JPEG XS call for proposals subjective evaluations. , 2017, , .		1
234	Source coding of holographic data: challenges, algorithms and standardization efforts. , 2018, , .		1

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