

Peter Schelkens

List of Publications by Citations

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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.

257 papers	1,964 citations	20 h-index	34 g-index
310 ext. papers	2,447 ext. citations	3.2 avg, IF	5.11 L-index

#	Paper	IF	Citations
257	In-band motion compensated temporal filtering. <i>Signal Processing: Image Communication</i> , 2004 , 19, 653-673	6.73	103
256	Wavelet coding of volumetric medical datasets. <i>IEEE Transactions on Medical Imaging</i> , 2003 , 22, 441-58	11.7	103
255	JPEG Pleno: Toward an Efficient Representation of Visual Reality. <i>IEEE MultiMedia</i> , 2016 , 23, 14-20	2.1	101
254	Wavelet based volumetric medical image compression. <i>Signal Processing: Image Communication</i> , 2015 , 31, 112-133	2.8	71
253	Computer-generated holograms by multiple wavefront recording plane method with occlusion culling. <i>Optics Express</i> , 2015 , 23, 22149-61	3.3	67
252	Signal processing challenges for digital holographic video display systems. <i>Signal Processing: Image Communication</i> , 2019 , 70, 114-130	2.8	64
251	JPEG 2000-based compression of fringe patterns for digital holographic microscopy. <i>Optical Engineering</i> , 2014 , 53, 123102	1.1	37
250	End-To-End Security for Video Distribution: The Combination of Encryption, Watermarking, and Video Adaptation. <i>IEEE Signal Processing Magazine</i> , 2013 , 30, 97-107	9.4	36
249	Colour computer-generated holography for point clouds utilizing the Phong illumination model. <i>Optics Express</i> , 2018 , 26, 10282-10298	3.3	32
248	Compressive Optical Imaging: Architectures and Algorithms 2011 , 485-505		32
247	Side-information-dependent correlation channel estimation in hash-based distributed video coding. <i>IEEE Transactions on Image Processing</i> , 2012 , 21, 1934-49	8.7	29
246	Combined Wavelet-Domain and Motion-Compensated Video Denoising Based on Video Codec Motion Estimation Methods. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2009 , 19, 417-421	6.4	28
245	Objective and subjective evaluation of light field image compression algorithms 2016 ,		28
244	Accelerated computer generated holography using sparse bases in the STFT domain. <i>Optics Express</i> , 2018 , 26, 1461-1473	3.3	27
243	Complete-to-overcomplete discrete wavelet transforms: theory and applications. <i>IEEE Transactions on Signal Processing</i> , 2005 , 53, 1398-1412	4.8	25
242	Embedded multiple description coding of video. <i>IEEE Transactions on Image Processing</i> , 2006 , 15, 3114-38	3.7	25
241	. <i>IEEE Transactions on Multimedia</i> , 2015 , 17, 577-590	6.6	24

240	Scalable Joint Source-Channel Coding for the Scalable Extension of H.264/AVC. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2008 , 18, 1657-1670	6.4	24
239	Overlapped Block Motion Estimation and Probabilistic Compensation with Application in Distributed Video Coding. <i>IEEE Signal Processing Letters</i> , 2009 , 16, 743-746	3.2	22
238	Unconstrained motion compensated temporal filtering (UMCTF) for efficient and flexible interframe wavelet video coding. <i>Signal Processing: Image Communication</i> , 2005 , 20, 1-19	2.8	21
237	JPEG Pleno: Providing representation interoperability for holographic applications and devices. <i>ETRI Journal</i> , 2019 , 41, 93-108	1.4	20
236	2015 ,		20
235	From Sparse Coding Significance to Perceptual Quality: A New Approach for Image Quality Assessment. <i>IEEE Transactions on Image Processing</i> , 2018 , 27, 879-893	8.7	19
234	Wyner-Ziv video coding for wireless lightweight multimedia applications. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2012 , 2012,	3.2	19
233	Optical Data Encryption 2011 , 739-767		19
232	The near shift-invariance of the dual-tree complex wavelet transform revisited. <i>Journal of Mathematical Analysis and Applications</i> , 2012 , 389, 1303-1314	1.1	17
231	2011 ,		17
230	Statistical multiplexing using SVC 2008 ,		17
229	. <i>IEEE Transactions on Multimedia</i> , 2010 , 12, 773-789	6.6	16
228	Global motion compensation for compressing holographic videos. <i>Optics Express</i> , 2018 , 26, 25524-25533,	3.3	16
227	A locally adaptive system for the fusion of objective quality measures. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 2446-58	8.7	15
226	Maximum Likelihood Laplacian Correlation Channel Estimation in Layered Wyner-Ziv Coding. <i>IEEE Transactions on Signal Processing</i> , 2014 , 62, 892-904	4.8	15
225	Separation of CARS image contributions with a Gaussian mixture model. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2010 , 27, 1361-71	1.8	15
224	Wavelet-based scalable L-infinity-oriented compression. <i>IEEE Transactions on Image Processing</i> , 2006 , 15, 2499-512	8.7	15
223	Bottom-up motion compensated prediction in wavelet domain for spatially scalable video coding. <i>Electronics Letters</i> , 2002 , 38, 1251	1.1	15

222	A new method for complete-to-overcomplete discrete wavelet transforms		15
221	Ultrasound Imaging From Sparse RF Samples Using System Point Spread Functions. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2018 , 65, 316-326	3.2	14
220	Distributed Video Coding with Shared Encoder/Decoder Complexity 2007 ,		14
219	Digital canvas removal in paintings. <i>Signal Processing</i> , 2012 , 92, 1166-1171	4.4	13
218	JPEG Pleno light field coding technologies 2019 ,		13
217	Accurate label-free 3-part leukocyte recognition with single cell lens-free imaging flow cytometry. <i>Computers in Biology and Medicine</i> , 2018 , 96, 147-156	7	12
216	Unitary Transforms Using Time-Frequency Warping for Digital Holograms of Deep Scenes. <i>IEEE Transactions on Computational Imaging</i> , 2018 , 4, 206-218	4.5	12
215	Embedded multiple description scalar quantisers. <i>Electronics Letters</i> , 2003 , 39, 979	1.1	12
214	High-Level Cache Modeling for 2-D Discrete Wavelet Transform Implementations. <i>Journal of Signal Processing Systems</i> , 2003 , 34, 209-226		12
213	Impact of JPEG 2000 compression on deep convolutional neural networks for metastatic cancer detection in histopathological images. <i>Journal of Medical Imaging</i> , 2019 , 6, 027501	2.6	12
212	Efficient multiscale phase unwrapping methodology with modulo wavelet transform. <i>Optics Express</i> , 2016 , 24, 23094-23108	3.3	12
211	Compression of digital holographic data: an overview 2015 ,		11
210	Studies on the sparsifying operator in compressive digital holography. <i>Optics Express</i> , 2017 , 25, 18656-18676	3.9	11
209	. <i>IEEE Transactions on Multimedia</i> , 2007 , 9, 1508-1519	6.6	11
208	On the optimality of embedded deadzone scalar-quantizers for wavelet-based L-infinite-constrained image coding. <i>IEEE Signal Processing Letters</i> , 2004 , 11, 367-370	3.2	11
207	Dynamic-range compression scheme for digital hologram using a deep neural network. <i>Optics Letters</i> , 2019 , 44, 3038-3041	3	11
206	Efficient MRF-based disocclusion inpainting in multiview video 2016 ,		10
205	Progressively refined wyner-ziv video coding for visual sensors. <i>ACM Transactions on Sensor Networks</i> , 2014 , 10, 1-34	2.9	10

204	Distributed coding of endoscopic video 2011 ,		10
203	. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2004 , 14, 950-966	6.4	10
202	Motion and texture rate-allocation for prediction-based scalable motion-vector coding. <i>Signal Processing: Image Communication</i> , 2005 , 20, 315-342	2.8	10
201	Generalisation of embedded multiple description scalar quantisers. <i>Electronics Letters</i> , 2005 , 41, 63	1.1	10
200	JPEG Pleno: a standard framework for representing and signaling plenoptic modalities 2018 ,		10
199	Robust Image Content Authentication with Tamper Location 2012 ,		9
198	Wavelet coding of off-axis holographic images 2013 ,		9
197	Wavelet-based fixed and embedded L-infinite-constrained image coding. <i>Journal of Electronic Imaging</i> , 2003 , 12, 522	0.7	9
196	Depth-based view synthesis using pixel-level image inpainting 2013 ,		8
195	. <i>IEEE Transactions on Multimedia</i> , 2008 , 10, 503-513	6.6	8
194	Phase added sub-stereograms for accelerating computer generated holography. <i>Optics Express</i> , 2020 , 28, 16924-16934	3.3	8
193	Suitability analysis of holographic vs light field and 2D displays for subjective quality assessment of Fourier holograms. <i>Optics Express</i> , 2020 , 28, 37069-37091	3.3	8
192	Performance analysis of JPEG Pleno light field coding 2019 ,		8
191	JPEG Pleno holography: scope and technology validation procedures. <i>Applied Optics</i> , 2021 , 60, 641-651	1.7	8
190	A novel MPI reduction algorithm resilient to imbalances in process arrival times. <i>Journal of Supercomputing</i> , 2016 , 72, 1973-2013	2.5	7
189	Regularized non-convex image reconstruction in digital holographic microscopy. <i>Optics Express</i> , 2017 , 25, 16491-16508	3.3	7
188	Microscopic off-axis holographic image compression with JPEG 2000 2014 ,		7
187	HEVC-based video coding with lossless region of interest for telemedicine applications 2013 ,		7

186	Complete-to-overcomplete discrete wavelet transforms for scalable video coding with MCTF 2003 ,		7
185	Exact global motion compensation for holographic video compression. <i>Applied Optics</i> , 2019 , 58, G204-G217		7
184	Encoder-driven rate control and mode decision for distributed video coding. <i>Eurasip Journal on Advances in Signal Processing</i> , 2013 , 2013,	1.9	6
183	Modeling the Correlation Noise in Spatial Domain Distributed Video Coding 2009 ,		6
182	On the side-information dependency of the temporal correlation in Wyner-Ziv video coding 2009 ,		6
181	Information-Theoretic Analysis of Dependencies Between Curvelet Coefficients 2006 ,		6
180	Scalable motion vector coding. <i>Electronics Letters</i> , 2004 , 40, 932	1.1	6
179	A comparative study of scalable video coding schemes utilizing wavelet technology 2004 ,		6
178	Comparative Study of Wavelet Based Lattice QIM Techniques and Robustness against AWGN and JPEG Attacks. <i>Lecture Notes in Computer Science</i> , 2009 , 39-53	0.9	6
177	Three-dimensional rendering of computer-generated holograms acquired from point-clouds on light field displays 2016 ,		5
176	Speckle noise reduction for computer generated holograms of objects with diffuse surfaces 2016 ,		5
175	JPSearch: An answer to the lack of standardization in mobile image retrieval. <i>Signal Processing: Image Communication</i> , 2013 , 28, 386-401	2.8	5
174	. <i>IEEE Transactions on Multimedia</i> , 2017 , 19, 236-250	6.6	5
173	Bounds and Conditions for Compressive Digital Holography Using Wavelet Sparsifying Bases. <i>IEEE Transactions on Computational Imaging</i> , 2017 , 3, 592-604	4.5	5
172	Visual Perception and Quality Assessment 2011 , 419-439		5
171	Scalable L-infinite coding of meshes. <i>IEEE Transactions on Visualization and Computer Graphics</i> , 2010 , 16, 513-28	4	5
170	Joint DC coefficient band decoding and motion estimation in Wyner-Ziv video coding 2011 ,		5
169	Adaptive Optics in Microscopy 2011 , 295-322		5

168	Optimal Joint Source-Channel Coding using Unequal Error Protection for the Scalable Extension of H.264/MPEG-4 AVC 2007 ,		5
167	Wavelet-based L-infinite scalable coding. <i>Electronics Letters</i> , 2002 , 38, 1338	1.1	5
166	Wave atoms for digital hologram compression. <i>Applied Optics</i> , 2019 , 58, 6193-6203	1.7	5
165	A wavelet-tree image coding system with efficient memory utilization		5
164	On Hybrid Directional Transform-Based Intra-band Image Coding. <i>Lecture Notes in Computer Science</i> , 2007 , 1049-1060	0.9	5
163	An Investigation into the Performance of Reduction Algorithms under Load Imbalance. <i>Lecture Notes in Computer Science</i> , 2012 , 439-450	0.9	5
162	. <i>IEEE Signal Processing Letters</i> , 2020 , 27, 1650-1654	3.2	5
161	Deep-Learning Computational Holography: A Review (Invited) 2022 , 3,		5
160	Wave Atoms for Lossy Compression of Digital Holograms 2019 ,		4
159	Efficient intra-frame video coding for low resolution wireless visual sensors 2013 ,		4
158	Transform-domain Wyner-Ziv video coding for 1K-pixel visual sensors 2013 ,		4
157	Probabilistic motion-compensated prediction in distributed video coding. <i>Multimedia Tools and Applications</i> , 2013 , 66, 405-430	2.5	4
156	JPEG Privacy and Security framework for social networking and GLAM services. <i>Eurasip Journal on Image and Video Processing</i> , 2017 , 2017,	2.5	4
155	Performance optimizations for PatchMatch-based pixel-level multiview inpainting 2013 ,		4
154	Optical Compression Scheme to Simultaneously Multiplex and Encode Images 2011 , 463-483		4
153	Multispectral imaging for digital painting analysis: a Gauguin case study 2010 ,		4
152	Correlation channel estimation in pixel-domain distributed video coding 2009 ,		4
151	Optimized scalable Multiple-Description Coding and FEC-based Joint Source-Channel Coding: A performance comparison 2009 ,		4

150	Analysis of the Statistical Dependencies in the Curvelet Domain and Applications in Image Compression. <i>Lecture Notes in Computer Science</i> , 2007 , 1061-1071	0.9	4
149	Scalable Multiple-Description Image Coding Based on Embedded Quantization. <i>Eurasip Journal on Image and Video Processing</i> , 2007 , 2007, 1-11	2.5	4
148	JPEG2000 Part 10: volumetric imaging 2003 ,		4
147	Wavelet-based scalable L-infinity-oriented coding of MPEG-4 MESHGRID surface models 2005 ,		4
146	Performance Evaluation of Sparseness Significance Ranking Measure (SSRM) on Holographic Content 2018 ,		4
145	Efficient holographic video generation based on rotational transformation of wavefields. <i>Optics Express</i> , 2019 , 27, 37383-37399	3.3	4
144	Object-based digital hologram segmentation and motion compensation. <i>Optics Express</i> , 2020 , 28, 11861-11882	3.3	4
143	Spatial bandwidth-optimized compression of image plane off-axis holograms with image and video codecs. <i>Optics Express</i> , 2020 , 28, 27873-27892	3.3	4
142	Analytic computation of line-drawn objects in computer generated holography. <i>Optics Express</i> , 2020 , 28, 31226-31240	3.3	4
141	Reconfigurable Hardware for a Scalable Wavelet Video Decoder and Its Performance Requirements. <i>Lecture Notes in Computer Science</i> , 2004 , 203-212	0.9	4
140	Photorealistic computer generated holography with global illumination and path tracing. <i>Optics Letters</i> , 2021 , 46, 2188-2191	3	4
139	The JPEG XT suite of standards: status and future plans 2015 ,		3
138	Globally optimized multiview video color correction using dense spatio-temporal matching 2015 ,		3
137	Fast and robust Fourier domain-based classification for on-chip lens-free flow cytometry. <i>Optics Express</i> , 2018 , 26, 14329-14339	3.3	3
136	Lossy-to-lossless screen content coding using an HEVC base-layer 2013 ,		3
135	Holographic Data Storage Technology 2011 , 227-250		3
134	Fundamentals of Image Processing 2011 , 71-96		3
133	Impact of JPEG 2000 compression on lesion detection in MR imaging. <i>Medical Physics</i> , 2009 , 36, 4967-76	4.4	3

132	Efficient hash-driven Wyner-Ziv video coding for visual sensors 2011 ,		3
131	Forensic data hiding optimized for JPEG 2000 2011 ,		3
130	Symmetric Scalable Multiple Description Scalar Quantization. <i>IEEE Transactions on Signal Processing</i> , 2012 , 60, 3628-3643	4.8	3
129	JPSearch: Metadata Interoperability During Image Exchange [Standards in a Nutshell]. <i>IEEE Signal Processing Magazine</i> , 2012 , 29, 134-139	9.4	3
128	Spatial-domain unidirectional DVC with side-information dependent correlation channel estimation 2009 ,		3
127	The JPEG 2000 family of standards 2009 ,		3
126	Detection of activity pattern changes among elderly with 3D camera technology 2008 ,		3
125	Segmentation-Driven Direction-Adaptive Discrete Wavelet Transform. <i>Proceedings International Conference on Image Processing</i> , 2007 ,	1.6	3
124	Compression of medical volumetric datasets: physical and psychovisual performance comparison of the emerging JP3D standard and JPEG2000 2007 ,		3
123	Constant quality video coding using video content analysis. <i>Signal Processing: Image Communication</i> , 2005 , 20, 343-369	2.8	3
122	Efficient implementation of embedded zero-tree wavelet encoding		3
121	An exploratory study towards objective quality evaluation of digital hologram coding tools 2019 ,		3
120	An overview of the emerging JPEG Pleno standard, conformance testing and reference software 2020 ,		3
119	Providing a Visual Understanding of Holography Through Phase Space Representations. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 4766	2.6	3
118	GPU-accelerated calculation of computer-generated holograms for line-drawn objects. <i>Optics Express</i> , 2021 , 29, 12849-12866	3.3	3
117	On the performance of objective quality metrics for lightfields. <i>Signal Processing: Image Communication</i> , 2021 , 93, 116179	2.8	3
116	Omnidirectional Video Quality Index Accounting for Judder. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2021 , 31, 61-75	6.4	3
115	An Offline Bidirectional Tracking Scheme. <i>Lecture Notes in Computer Science</i> , 2005 , 587-594	0.9	3

114	An Implementation of multiple Region-Of-Interest Models in H.264/AVC 2008 , 215-225		3
113	Efficient Depth-aware Image Deformation Adaptation for Curved Screen Displays 2017 ,		2
112	Fingerprinting Codes Under the Weak Marking Assumption. <i>IEEE Transactions on Information Forensics and Security</i> , 2018 , 13, 1495-1508	8	2
111	Visually lossless screen content coding using HEVC base-layer 2013 ,		2
110	Subjective quality assessment of numerically reconstructed compressed holograms 2015 ,		2
109	CDF 9/7 wavelets as sparsifying operator in compressive holography 2015 ,		2
108	Maximum likelihood motion compensation for distributed video coding. <i>Integrated Computer-Aided Engineering</i> , 2012 , 19, 215-227	5.2	2
107	Classification of microcalcifications using micro-CT 2013 ,		2
106	Phase-Space Rotators and their Applications in Optics 2011 , 251-271		2
105	Linking Analog and Digital Image Processing 2011 , 397-418		2
104	Splines in Biomedical Image Processing 2011 , 119-134		2
103	Spatial Light Modulators (SLMs) 2011 , 179-200		2
102	Compressed Sensing: When Sparsity Meets Sampling 2011 , 507-527		2
101	Design of an H.264/SVC resilient watermarking scheme 2010 ,		2
100	A statistical approach to create side information in distributed video coding 2011 ,		2
99	Demo: Distributed video coding applications in wireless multimedia sensor networks 2011 ,		2
98	Fundamentals of Photonics 2011 , 25-48		2
97	Fully scalable intraband coding of wavelet-decomposed 3D meshes 2009 ,		2

96	Estimation of interband and intraband statistical dependencies in wavelet-based decomposition of meshes 2009 ,		2
95	Experimental study of canvas characterization for paintings 2010 ,		2
94	Intra-frame video coding using an open-loop predictive coding approach 2008 ,		2
93	Power-aware computing systems. <i>International Journal of Embedded Systems</i> , 2007 , 3, 3	0.5	2
92	An optimized 3D context model for JPEG2000 Part 10 2007 ,		2
91	Scalable motion vector coding 2004 ,		2
90	Error protection and concealment of motion vectors in MCTF-based video coding 2004 ,		2
89	A new family of embedded multiple description scalar quantizers [image coding applications]		2
88	Single-rate calculation of overcomplete discrete wavelet transforms for scalable coding applications. <i>Signal Processing</i> , 2005 , 85, 1103-1124	4.4	2
87	Error-resilient video coding using motion compensated temporal filtering and embedded multiple description scalar quantizers 2005 ,		2
86	Cache misses and energy-dissipation results for JPEG-2000 filtering		2
85	Wavelet-based compression of medical images: Protocols to improve resolution and quality scalability and region-of-interest coding. <i>Future Generation Computer Systems</i> , 1999 , 15, 171-184	7.5	2
84	Optimization of phase-only holograms calculated with scaled diffraction calculation through deep neural networks. <i>Applied Physics B: Lasers and Optics</i> , 2022 , 128, 1	1.9	2
83	Scalable Multiple-Description Image Coding Based on Embedded Quantization. <i>Eurasip Journal on Image and Video Processing</i> , 2007 , 2007, 081813	2.5	2
82	Reconstruction Resilience to Subsampling in Compressive Fresnel Holography 2015 ,		2
81	Real-Time Computation of 3D Wireframes in Computer-Generated Holography. <i>IEEE Transactions on Image Processing</i> , 2021 , 30, 9418-9428	8.7	2
80	Scalable and Channel-Adaptive Unequal Error Protection of Images with LDPC Codes. <i>Lecture Notes in Computer Science</i> , 2006 , 722-733	0.9	2
79	Standardization of Holographic Compression: JPEG Pleno 2020 ,		2

78	A new similarity measure for complex amplitude holographic data 2017 ,		2
77	. <i>IEEE Transactions on Multimedia</i> , 2020 , 22, 1939-1954	6.6	2
76	Validation of dynamic subjective quality assessment methodology for holographic coding solutions 2021 ,		2
75	Accuracy and robustness evaluation in stereo matching 2016 ,		2
74	Deep-learning-assisted Hologram Calculation via Low-Sampling Holograms 2019 ,		2
73	Reduced-reference quality assessment of multiply-distorted images based on structural and uncertainty information degradation. <i>Journal of Visual Communication and Image Representation</i> , 2018 , 57, 125-137	2.7	2
72	Comprehensive performance analysis of objective quality metrics for digital holography. <i>Signal Processing: Image Communication</i> , 2021 , 97, 116361	2.8	2
71	Integer Fresnel Transform for Lossless Hologram Compression 2019 ,		1
70	Heterogeneous Acceleration of Volumetric JPEG 2000 2015 ,		1
69	Cross Data Set Performance Consistency of Objective Quality Assessment Methods for Light Fields 2020 ,		1
68	Reduced-reference image quality assessment based on internal generative mechanism utilizing shearlets and Rényi entropy analysis 2017 ,		1
67	Selecting stimuli parameters for video quality assessment studies based on perceptual similarity distances 2015 ,		1
66	Interactive demonstrations of the locally adaptive fusion for combining objective quality measures 2014 ,		1
65	L-infinite Coding of 3D Representations of Human Affect 2012 ,		1
64	3D Displays 2011 , 369-395		1
63	Biomedical Imaging Based on Vibrational Spectroscopy 2011 , 717-737		1
62	Optical and Geometrical Super-Resolution 2011 , 593-612		1
61	Microscopic Imaging 2011 , 273-293		1

60	Quantum Encryption 2011 , 769-787		1
59	Phase-Space Tomography of Optical Beams 2011 , 789-808		1
58	Labelling bins for lattice quantization index modulation 2010 ,		1
57	Context-conditioned composite coding of 3D meshes based on wavelets on surfaces 2009 ,		1
56	Error protection of scalable sources: A comparative analysis of Forward Error Correction and Multiple Description Coding 2009 ,		1
55	Towards fully user transparent task and data parallel image processing 2009 ,		1
54	On the use of directional transforms for still image coding 2011 ,		1
53	ImageJ for Medical Microscopy Image Processing: An Introduction to Macro Development for Batch Processing 2011 , 859-877		1
52	JP3D Extensions for Three-Dimensional Data (Part 10)199-227		1
51	Statistical L-infinite distortion estimation in scalable coding of meshes 2008 ,		1
50	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
49	Platform-scalable Task Partition and Multilevel Buffering in Multi-processor Plessey Corner Detector. <i>International Conference on Application of Concurrency To System Design</i> , 2007 ,		1
48	Joint Source-Channel Coding for the Scalable Extension of H.264/MPEG-4 AVC 2007 ,		1
47	A Low-Complexity UEP Methodology Demonstrated on a Turbo-Encoded Wavelet Image Satellite Downlink. <i>Eurasip Journal on Wireless Communications and Networking</i> , 2007 , 2008,	3.2	1
46	Robust motion vector coding and error concealment in MCTF-based video coding		1
45	MAXAD distortion minimization for wavelet compression of remote sensing data 2001 ,		1
44	Compression of volumetric medical data based on cube splitting 2000 ,		1
43	Information processing challenges of full parallax light field displays 2018 ,		1

42	Dedicated processor for hologram calculation using sparse Fourier bases. <i>Applied Optics</i> , 2020 , 59, 8029-8037	1	1
41	Speckle Denoising of Computer-Generated Macroscopic Holograms 2019 ,		1
40	Modeling Wavelet Coefficients for Wavelet Subdivision Transforms of 3D Meshes. <i>Lecture Notes in Computer Science</i> , 2010 , 267-278	0.9	1
39	A New Similarity Measure for Complex Valued Data 2016 ,		1
38	Compressed digital holography: from micro towards macro 2016 ,		1
37	A Just Noticeable Difference Subjective Test for High Dynamic Range Images 2018 ,		1
36	Fast Low-Precision Computer-Generated Holography on GPU. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6235	2.6	1
35	Deep-Learning-Based Dynamic Range Compression for 3D Scene Hologram. <i>Springer Proceedings in Physics</i> , 2021 , 41-44	0.2	1
34	Pincushion point-spread function for computer-generated holography.. <i>Optics Letters</i> , 2022 , 47, 2077-2080		1
33	Continuous ultrasound speckle tracking with Gaussian mixtures. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2015 , 2015, 129-32	0.9	0
32	Human Face Recognition and Image Statistics using Matlab 2011 , 809-831		0
31	Off-axis image plane hologram compression in holographic tomography - metrological assessment.. <i>Optics Express</i> , 2022 , 30, 4261-4273	3.3	0
30	Miniaturized cost-effective broadband spectrometer employing a deconvolution reconstruction algorithm for resolution enhancement.. <i>Optics Express</i> , 2022 , 30, 11459-11471	3.3	0
29	Three-dimensional hologram calculations using blocked radial and windmill point spread functions. <i>Optics Express</i> , 2021 , 29, 44283	3.3	0
28	Heterogeneous acceleration of volumetric JPEG 2000 using OpenCL. <i>International Journal of High Performance Computing Applications</i> , 2017 , 31, 229-245	1.8	
27	Holographic Visualization of 3D Data 2011 , 201-226		
26	Aperture Synthesis and Astronomical Image Formation 2011 , 323-344		
25	Digital Image and Video Compression 2011 , 441-461		

24 Optics and Deconvolution: Wavefront Sensing **2011**, 549-569

23 Super-Resolution Image Reconstruction considering Inaccurate Subpixel Motion Information **2011**, 613-642

22 Image Analysis: Intermediate-Level Vision **2011**, 643-665

21 Hybrid Digital/Optical Correlator for ATR **2011**, 667-693

20 Theory and Application of Multispectral Fluorescence Tomography **2011**, 695-715

19 Image Processing for Spacecraft Optical Navigation **2011**, 833-858

18 Joint Spatial/Spatial-Frequency Representations **2011**, 97-118

17 Wavelets **2011**, 135-154

16 Scale-Space Representations for Gray-Scale and Color Images **2011**, 155-178

15 Display and Projection **2011**, 345-367

14 Basics of Information Theory **2011**, 49-69

13 Fundamentals of Optics **2011**, 1-23

12 Blind Deconvolution Imaging **2011**, 529-548

11 Image Restoration and Applications in Biomedical Processing **2011**, 571-591

10 Conformance Testing, Reference Software, and Implementations 441-479

9 Ongoing Standardization Efforts 481-489

8 Unequal error protection of the reference grid for robust transmission of MeshGrid-represented objects over error-prone channels **2006**, 6383, 56

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