Peter Schelkens

List of Publications by Year in Descending Order

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	Optimization of phase-only holograms calculated with scaled diffraction calculation through deep neural networks. *Applied Physics B: Lasers and Optics*, **2022**, 128, 1	1.9	2
256	Off-axis image plane hologram compression in holographic tomography - metrological assessment.. *Optics Express*, **2022**, 30, 4261-4273	3.3	0
255	Pincushion point-spread function for computer-generated holography.. *Optics Letters*, **2022**, 47, 2077-2080	3	1
254	Miniaturized cost-effective broadband spectrometer employing a deconvolution reconstruction algorithm for resolution enhancement.. *Optics Express*, **2022**, 30, 11459-11471	3.3	0
253	Deep-Learning Computational Holography: A Review (Invited) **2022**, 3,		5
252	Unifying Structural and Semantic Similarities for Quality Assessment of DIBR-synthesized Views. *IEEE Access*, **2022**, 1-1	3.5	
251	Real-Time Computation of 3D Wireframes in Computer-Generated Holography. *IEEE Transactions on Image Processing*, **2021**, 30, 9418-9428	8.7	2
250	GPU-accelerated calculation of computer-generated holograms for line-drawn objects. *Optics Express*, **2021**, 29, 12849-12866	3.3	3
249	Photorealistic computer generated holography with global illumination and path tracing. *Optics Letters*, **2021**, 46, 2188-2191	3	4
248	On the performance of objective quality metrics for lightfields. *Signal Processing: Image Communication*, **2021**, 93, 116179	2.8	3
247	Validation of dynamic subjective quality assessment methodology for holographic coding solutions **2021**,		2
246	Omnidirectional Video Quality Index Accounting for Judder. *IEEE Transactions on Circuits and Systems for Video Technology*, **2021**, 31, 61-75	6.4	3
245	JPEG Pleno holography: scope and technology validation procedures. *Applied Optics*, **2021**, 60, 641-651	1.7	8
244	Fast Low-Precision Computer-Generated Holography on GPU. *Applied Sciences (Switzerland)*, **2021**, 11, 6235	2.6	1
243	Comprehensive performance analysis of objective quality metrics for digital holography. *Signal Processing: Image Communication*, **2021**, 97, 116361	2.8	2
242	Deep-Learning-Based Dynamic Range Compression for 3D Scene Hologram. *Springer Proceedings in Physics*, **2021**, 41-44	0.2	1
241	Three-dimensional hologram calculations using blocked radial and windmill point spread functions. *Optics Express*, **2021**, 29, 44283	3.3	0

240	Cross Data Set Performance Consistency of Objective Quality Assessment Methods for Light Fields **2020**,		1
239	An overview of the emerging JPEG Pleno standard, conformance testing and reference software **2020**,		3
238	Object-based digital hologram segmentation and motion compensation. *Optics Express*, **2020**, 28, 11861-11882	3.9	4
237	Phase added sub-stereograms for accelerating computer generated holography. *Optics Express*, **2020**, 28, 16924-16934	3.3	8
236	Spatial bandwidth-optimized compression of image plane off-axis holograms with image and video codecs. *Optics Express*, **2020**, 28, 27873-27892	3.3	4
235	Analytic computation of line-drawn objects in computer generated holography. *Optics Express*, **2020**, 28, 31226-31240	3.3	4
234	Suitability analysis of holographic vs light field and 2D displays for subjective quality assessment of Fourier holograms. *Optics Express*, **2020**, 28, 37069-37091	3.3	8
233	Dedicated processor for hologram calculation using sparse Fourier bases. *Applied Optics*, **2020**, 59, 8029-8037	1.9	1
232	Standardization of Holographic Compression: JPEG Pleno **2020**,		2
231	. *IEEE Transactions on Multimedia*, **2020**, 22, 1939-1954	6.6	2
230	. *IEEE Signal Processing Letters*, **2020**, 27, 1650-1654	3.2	5
229	Providing a Visual Understanding of Holography Through Phase Space Representations. *Applied Sciences (Switzerland)*, **2020**, 10, 4766	2.6	3
228	Wave Atoms for Lossy Compression of Digital Holograms **2019**,		4
227	Integer Fresnel Transform for Lossless Hologram Compression **2019**,		1
226	JPEG Pleno: Providing representation interoperability for holographic applications and devices. *ETRI Journal*, **2019**, 41, 93-108	1.4	20
225	Impact of JPEG 2000 compression on deep convolutional neural networks for metastatic cancer detection in histopathological images. *Journal of Medical Imaging*, **2019**, 6, 027501	2.6	12
224	An exploratory study towards objective quality evaluation of digital hologram coding tools **2019**,		3
223	JPEG Pleno light field coding technologies **2019**,		13

222	Wave atoms for digital hologram compression. *Applied Optics*, **2019**, 58, 6193-6203	1.7	5
221	Exact global motion compensation for holographic video compression. *Applied Optics*, **2019**, 58, G204-G217	1.7	7
220	Efficient holographic video generation based on rotational transformation of wavefields. *Optics Express*, **2019**, 27, 37383-37399	3.3	4
219	Dynamic-range compression scheme for digital hologram using a deep neural network. *Optics Letters*, **2019**, 44, 3038-3041	3	11
218	Speckle Denoising of Computer-Generated Macroscopic Holograms **2019**,		1
217	Performance analysis of JPEG Pleno light field coding **2019**,		8
216	Deep-learning-assisted Hologram Calculation via Low-Sampling Holograms **2019**,		2
215	Signal processing challenges for digital holographic video display systems. *Signal Processing: Image Communication*, **2019**, 70, 114-130	2.8	64
214	Ultrasound Imaging From Sparse RF Samples Using System Point Spread Functions. *IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control*, **2018**, 65, 316-326	3.2	14
213	Fingerprinting Codes Under the Weak Marking Assumption. *IEEE Transactions on Information Forensics and Security*, **2018**, 13, 1495-1508	8	2
212	From Sparse Coding Significance to Perceptual Quality: A New Approach for Image Quality Assessment. *IEEE Transactions on Image Processing*, **2018**, 27, 879-893	8.7	19
211	Accurate label-free 3-part leukocyte recognition with single cell lens-free imaging flow cytometry. *Computers in Biology and Medicine*, **2018**, 96, 147-156	7	12
210	Unitary Transforms Using Time-Frequency Warping for Digital Holograms of Deep Scenes. *IEEE Transactions on Computational Imaging*, **2018**, 4, 206-218	4.5	12
209	Accelerated computer generated holography using sparse bases in the STFT domain. *Optics Express*, **2018**, 26, 1461-1473	3.3	27
208	Colour computer-generated holography for point clouds utilizing the Phong illumination model. *Optics Express*, **2018**, 26, 10282-10298	3.3	32
207	Fast and robust Fourier domain-based classification for on-chip lens-free flow cytometry. *Optics Express*, **2018**, 26, 14329-14339	3.3	3
206	Information processing challenges of full parallax light field displays **2018**,		1
205	JPEG Pleno: a standard framework for representing and signaling plenoptic modalities **2018**,		10

204	Performance Evaluation of Sparseness Significance Ranking Measure (SSRM) on Holographic Content **2018**,		4
203	A Just Noticeable Difference Subjective Test for High Dynamic Range Images **2018**,		1
202	Global motion compensation for compressing holographic videos. *Optics Express*, **2018**, 26, 25524-25533	3.3	16
201	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	2.7	2
200	Heterogeneous acceleration of volumetric JPEG 2000 using OpenCL. *International Journal of High Performance Computing Applications*, **2017**, 31, 229-245	1.8	
199	Efficient Depth-aware Image Deformation Adaptation for Curved Screen Displays **2017**,		2
198	Reduced-reference image quality assessment based on internal generative mechanism utilizing shearlets and Rényi entropy analysis **2017**,		1
197	. *IEEE Transactions on Multimedia*, **2017**, 19, 236-250	6.6	5
196	Bounds and Conditions for Compressive Digital Holography Using Wavelet Sparsifying Bases. *IEEE Transactions on Computational Imaging*, **2017**, 3, 592-604	4.5	5
195	JPEG Privacy and Security framework for social networking and GLAM services. *Eurasip Journal on Image and Video Processing*, **2017**, 2017,	2.5	4
194	Studies on the sparsifying operator in compressive digital holography. *Optics Express*, **2017**, 25, 18656-18676	3.9	11
193	Regularized non-convex image reconstruction in digital holographic microscopy. *Optics Express*, **2017**, 25, 16491-16508	3.3	7
192	A new similarity measure for complex amplitude holographic data **2017**,		2
191	Efficient MRF-based disocclusion inpainting in multiview video **2016**,		10
190	JPEG Pleno: Toward an Efficient Representation of Visual Reality. *IEEE MultiMedia*, **2016**, 23, 14-20	2.1	101
189	Three-dimensional rendering of computer-generated holograms acquired from point-clouds on light field displays **2016**,		5
188	Speckle noise reduction for computer generated holograms of objects with diffuse surfaces **2016**,		5
187	A novel MPI reduction algorithm resilient to imbalances in process arrival times. *Journal of Supercomputing*, **2016**, 72, 1973-2013	2.5	7

186	A New Similarity Measure for Complex Valued Data **2016**,		1
185	Efficient multiscale phase unwrapping methodology with modulo wavelet transform. *Optics Express*, **2016**, 24, 23094-23108	3.3	12
184	Objective and subjective evaluation of light field image compression algorithms **2016**,		28
183	Accuracy and robustness evaluation in stereo matching **2016**,		2
182	Compressed digital holography: from micro towards macro **2016**,		1
181	Wavelet based volumetric medical image compression. *Signal Processing: Image Communication*, **2015**, 31, 112-133	2.8	71
180	. *IEEE Transactions on Multimedia*, **2015**, 17, 577-590	6.6	24
179	Computer-generated holograms by multiple wavefront recording plane method with occlusion culling. *Optics Express*, **2015**, 23, 22149-61	3.3	67
178	**2015**,		20
177	Compression of digital holographic data: an overview **2015**,		11
176	The JPEG XT suite of standards: status and future plans **2015**,		3
175	Globally optimized multiview video color correction using dense spatio-temporal matching **2015**,		3
174	Heterogeneous Acceleration of Volumetric JPEG 2000 **2015**,		1
173	Subjective quality assessment of numerically reconstructed compressed holograms **2015**,		2
172	Continuous ultrasound speckle tracking with Gaussian mixtures. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference*, **2015**, 2015, 129-32	0.9	0
171	CDF 9/7 wavelets as sparsifying operator in compressive holography **2015**,		2
170	Selecting stimuli parameters for video quality assessment studies based on perceptual similarity distances **2015**,		1
169	Reconstruction Resilience to Subsampling in Compressive Fresnel Holography **2015**,		2

168	Progressively refined wyner-ziv video coding for visual sensors. *ACM Transactions on Sensor Networks*, **2014**, 10, 1-34	2.9	10
167	A locally adaptive system for the fusion of objective quality measures. *IEEE Transactions on Image Processing*, **2014**, 23, 2446-58	8.7	15
166	Maximum Likelihood Laplacian Correlation Channel Estimation in Layered Wyner-Ziv Coding. *IEEE Transactions on Signal Processing*, **2014**, 62, 892-904	4.8	15
165	JPEG 2000-based compression of fringe patterns for digital holographic microscopy. *Optical Engineering*, **2014**, 53, 123102	1.1	37
164	Interactive demonstrations of the locally adaptive fusion for combining objective quality measures **2014**,		1
163	Microscopic off-axis holographic image compression with JPEG 2000 **2014**,		7
162	Lossy-to-lossless screen content coding using an HEVC base-layer **2013**,		3
161	Efficient intra-frame video coding for low resolution wireless visual sensors **2013**,		4
160	Transform-domain Wyner-Ziv video coding for 1K-pixel visual sensors **2013**,		4
159	Depth-based view synthesis using pixel-level image inpainting **2013**,		8
158	Visually lossless screen content coding using HEVC base-layer **2013**,		2
157	JPSearch: An answer to the lack of standardization in mobile image retrieval. *Signal Processing: Image Communication*, **2013**, 28, 386-401	2.8	5
156	Probabilistic motion-compensated prediction in distributed video coding. *Multimedia Tools and Applications*, **2013**, 66, 405-430	2.5	4
155	End-To-End Security for Video Distribution: The Combination of Encryption, Watermarking, and Video Adaptation. *IEEE Signal Processing Magazine*, **2013**, 30, 97-107	9.4	36
154	Wavelet coding of off-axis holographic images **2013**,		9
153	HEVC-based video coding with lossless region of interest for telemedicine applications **2013**,		7
152	Performance optimizations for PatchMatch-based pixel-level multiview inpainting **2013**,		4
151	Encoder-driven rate control and mode decision for distributed video coding. *Eurasip Journal on Advances in Signal Processing*, **2013**, 2013,	1.9	6

| 150 | Classification of microcalcifications using micro-CT **2013**, | | 2 |

| 149 | Towards Standardized Integration of Images in the Cloud of Linked Data. *Lecture Notes in Computer Science*, **2013**, 388-397 | 0.9 | |

| 148 | Digital canvas removal in paintings. *Signal Processing*, **2012**, 92, 1166-1171 | 4.4 | 13 |

| 147 | The near shift-invariance of the dual-tree complex wavelet transform revisited. *Journal of Mathematical Analysis and Applications*, **2012**, 389, 1303-1314 | 1.1 | 17 |

| 146 | Side-information-dependent correlation channel estimation in hash-based distributed video coding. *IEEE Transactions on Image Processing*, **2012**, 21, 1934-49 | 8.7 | 29 |

| 145 | Robust Image Content Authentication with Tamper Location **2012**, | | 9 |

| 144 | L-infinite Coding of 3D Representations of Human Affect **2012**, | | 1 |

| 143 | Wyner-Ziv video coding for wireless lightweight multimedia applications. *Eurasip Journal on Wireless Communications and Networking*, **2012**, 2012, | 3.2 | 19 |

| 142 | Maximum likelihood motion compensation for distributed video coding. *Integrated Computer-Aided Engineering*, **2012**, 19, 215-227 | 5.2 | 2 |

| 141 | Symmetric Scalable Multiple Description Scalar Quantization. *IEEE Transactions on Signal Processing*, **2012**, 60, 3628-3643 | 4.8 | 3 |

| 140 | JPSearch: Metadata Interoperability During Image Exchange [Standards in a Nutshell]. *IEEE Signal Processing Magazine*, **2012**, 29, 134-139 | 9.4 | 3 |

| 139 | An Investigation into the Performance of Reduction Algorithms under Load Imbalance. *Lecture Notes in Computer Science*, **2012**, 439-450 | 0.9 | 5 |

| 138 | Distributed coding of endoscopic video **2011**, | | 10 |

| 137 | **2011**, | | 17 |

| 136 | Holographic Data Storage Technology **2011**, 227-250 | | 3 |

| 135 | Holographic Visualization of 3D Data **2011**, 201-226 | | |

| 134 | Phase-Space Rotators and their Applications in Optics **2011**, 251-271 | | 2 |

| 133 | Aperture Synthesis and Astronomical Image Formation **2011**, 323-344 | | |

96	Adaptive Optics in Microscopy **2011**, 295-322		5
95	On the use of directional transforms for still image coding **2011**,		1
94	ImageJ for Medical Microscopy Image Processing: An Introduction to Macro Development for Batch Processing **2011**, 859-877		1
93	Fundamentals of Photonics **2011**, 25-48		2
92	Labelling bins for lattice quantization index modulation **2010**,		1
91	Design of an H.264/SVC resilient watermarking scheme **2010**,		2
90	. *IEEE Transactions on Multimedia*, **2010**, 12, 773-789	6.6	16
89	Multispectral imaging for digital painting analysis: a Gauguin case study **2010**,		4
88	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, 1361-71	1.8	15
87	Scalable L-infinite coding of meshes. *IEEE Transactions on Visualization and Computer Graphics*, **2010**, 16, 513-28	4	5
86	Experimental study of canvas characterization for paintings **2010**,		2
85	Modeling Wavelet Coefficients for Wavelet Subdivision Transforms of 3D Meshes. *Lecture Notes in Computer Science*, **2010**, 267-278	0.9	1
84	Impact of JPEG 2000 compression on lesion detection in MR imaging. *Medical Physics*, **2009**, 36, 4967-76	4.4	3
83	Context-conditioned composite coding of 3D meshes based on wavelets on surfaces **2009**,		1
82	Modeling the Correlation Noise in Spatial Domain Distributed Video Coding **2009**,		6
81	On the side-information dependency of the temporal correlation in Wyner-Ziv video coding **2009**,		6
80	Error protection of scalable soures: A comparative analysis of Forward Error Correction and Multiple Description Coding **2009**,		1
79	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	6.4	28

78	Towards fully user transparent task and data parallel image processing **2009**,		1
77	Overlapped Block Motion Estimation and Probabilistic Compensation with Application in Distributed Video Coding. *IEEE Signal Processing Letters*, **2009**, 16, 743-746	3.2	22
76	Spatial-domain unidirectional DVC with side-information dependent correlation channel estimation **2009**,		3
75	Correlation channel estimation in pixel-domain distributed video coding **2009**,		4
74	Fully scalable intraband coding of wavelet-decomposed 3D meshes **2009**,		2
73	Optimized scalable Multiple-Description Coding and FEC-based Joint Source-Channel Coding: A performance comparison **2009**,		4
72	Estimation of interband and intraband statistical dependencies in wavelet-based decomposition of meshes **2009**,		2
71	The JPEG 2000 family of standards **2009**,		3
70	Comparative Study of Wavelet Based Lattice QIM Techniques and Robustness against AWGN and JPEG Attacks. *Lecture Notes in Computer Science*, **2009**, 39-53	0.9	6
69	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	6.4	24
68	Intra-frame video coding using an open-loop predictive coding approach **2008**,		2
67	Statistical L-infinite distortion estimation in scalable coding of meshes **2008**,		1
66	Detection of activity pattern changes among elderly with 3D camera technology **2008**,		3
65	Statistical multiplexing using SVC **2008**,		17
64	. *IEEE Transactions on Multimedia*, **2008**, 10, 503-513	6.6	8
63	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
62	Estimating the Detectability of Small Lesions in High Resolution MR Compressed Images. *Lecture Notes in Computer Science*, **2008**, 221-232	0.9	
61	Mosaicing of Fibered Fluorescence Microscopy Video. *Lecture Notes in Computer Science*, **2008**, 915-923	0.9	

60	Applying Open-Loop Coding in Predictive Coding Systems. *Lecture Notes in Computer Science*, **2008**, 25-37.	0.9	
59	An Implementation of multiple Region-Of-Interest Models in H.264/AVC **2008**, 215-225		3
58	Optimal Joint Source-Channel Coding using Unequal Error Protection for the Scalable Extension of H.264/MPEG-4 AVC **2007**,		5
57	Distributed Video Coding with Shared Encoder/Decoder Complexity **2007**,		14
56	Platform-scalable Task Partition and Multilevel Buffering in Multi-processor Plessey Corner Detector. *International Conference on Application of Concurrency To System Design*, **2007**,		1
55	Joint Source-Channel Coding for the Scalable Extension of H.264/MPEG-4 AVC **2007**,		1
54	Power-aware computing systems. *International Journal of Embedded Systems*, **2007**, 3, 3	0.5	2
53	Segmentation-Driven Direction-Adaptive Discrete Wavelet Transform. *Proceedings International Conference on Image Processing*, **2007**,	1.6	3
52	. *IEEE Transactions on Multimedia*, **2007**, 9, 1508-1519	6.6	11
51	Analysis of the Statistical Dependencies in the Curvelet Domain and Applications in Image Compression. *Lecture Notes in Computer Science*, **2007**, 1061-1071	0.9	4
50	An optimized 3D context model for JPEG2000 Part 10 **2007**,		2
49	Compression of medical volumetric datasets: physical and psychovisual performance comparison of the emerging JP3D standard and JPEG2000 **2007**,		3
48	Scalable Multiple-Description Image Coding Based on Embedded Quantization. *Eurasip Journal on Image and Video Processing*, **2007**, 2007, 1-11	2.5	4
47	A Low-Complexity UEP Methodology Demonstrated on a Turbo-Encoded Wavelet Image Satellite Downlink. *Eurasip Journal on Wireless Communications and Networking*, **2007**, 2008,	3.2	1
46	Scalable Multiple-Description Image Coding Based on Embedded Quantization. *Eurasip Journal on Image and Video Processing*, **2007**, 2007, 081813	2.5	2
45	On Hybrid Directional Transform-Based Intra-band Image Coding. *Lecture Notes in Computer Science* , **2007**, 1049-1060	0.9	5
44	Information-Theoretic Analysis of Dependencies Between Curvelet Coefficients **2006**,		6
43	Embedded multiple description coding of video. *IEEE Transactions on Image Processing*, **2006**, 15, 3114-30.	8.7	25

42	Wavelet-based scalable L-infinity-oriented compression. *IEEE Transactions on Image Processing*, **2006**, 15, 2499-512	8.7	15
41	Unequal error protection of the reference grid for robust transmission of MeshGrid-represented objects over error-prone channels **2006**, 6383, 56		
40	Performing Deblocking in Video Coding Based on Spatial-Domain Motion-Compensated Temporal Filtering. *Lecture Notes in Computer Science*, **2006**, 364-374	0.9	
39	Scalable and Channel-Adaptive Unequal Error Protection of Images with LDPC Codes. *Lecture Notes in Computer Science*, **2006**, 722-733	0.9	2
38	Complete-to-overcomplete discrete wavelet transforms: theory and applications. *IEEE Transactions on Signal Processing*, **2005**, 53, 1398-1412	4.8	25
37	Wavelet-based scalable L-infinity-oriented coding of MPEG-4 MESHGRID surface models **2005**,		4
36	Single-rate calculation of overcomplete discrete wavelet transforms for scalable coding applications. *Signal Processing*, **2005**, 85, 1103-1124	4.4	2
35	Unconstrained motion compensated temporal filtering (UMCTF) for efficient and flexible interframe wavelet video coding. *Signal Processing: Image Communication*, **2005**, 20, 1-19	2.8	21
34	Motion and texture rate-allocation for prediction-based scalable motion-vector coding. *Signal Processing: Image Communication*, **2005**, 20, 315-342	2.8	10
33	Constant quality video coding using video content analysis. *Signal Processing: Image Communication*, **2005**, 20, 343-369	2.8	3
32	Generalisation of embedded multiple description scalar quantisers. *Electronics Letters*, **2005**, 41, 63	1.1	10
31	Error-resilient video coding using motion compensated temporal filtering and embedded multiple description scalar quantizers **2005**,		2
30	Special Effects: Efficient and Scalable Encoding of the 3D Metamorphosis Animation with MeshGrid. *Lecture Notes in Computer Science*, **2005**, 84-95	0.9	
29	An Offline Bidirectional Tracking Scheme. *Lecture Notes in Computer Science*, **2005**, 587-594	0.9	3
28	On the optimality of embedded deadzone scalar-quantizers for wavelet-based L-infinite-constrained image coding. *IEEE Signal Processing Letters*, **2004**, 11, 367-370	3.2	11
27	Scalable motion vector coding **2004**,		2
26	Scalable motion vector coding. *Electronics Letters*, **2004**, 40, 932	1.1	6
25	In-band motion compensated temporal filtering. *Signal Processing: Image Communication*, **2004**, 19, 653-673	2.8	103

24	. *IEEE Transactions on Circuits and Systems for Video Technology*, **2004**, 14, 950-966	6.4	10
23	A comparative study of scalable video coding schemes utilizing wavelet technology **2004**,		6
22	Error protection and concealment of motion vectors in MCTF-based video coding **2004**,		2
21	Reconfigurable Hardware for a Scalable Wavelet Video Decoder and Its Performance Requirements. *Lecture Notes in Computer Science*, **2004**, 203-212	0.9	4
20	Complete-to-overcomplete discrete wavelet transforms for scalable video coding with MCTF **2003**,		7
19	JPEG2000 Part 10: volumetric imaging **2003**,		4
18	Embedded multiple description scalar quantisers. *Electronics Letters*, **2003**, 39, 979	1.1	12
17	High-Level Cache Modeling for 2-D Discrete Wavelet Transform Implementations. *Journal of Signal Processing Systems*, **2003**, 34, 209-226		12
16	Wavelet coding of volumetric medical datasets. *IEEE Transactions on Medical Imaging*, **2003**, 22, 441-58	11.7	103
15	Wavelet-based fixed and embedded L-infinite-constrained image coding. *Journal of Electronic Imaging*, **2003**, 12, 522	0.7	9
14	Bottom-up motion compensated prediction in wavelet domain for spatially scalable video coding. *Electronics Letters*, **2002**, 38, 1251	1.1	15
13	Wavelet-based L-infinite scalable coding. *Electronics Letters*, **2002**, 38, 1338	1.1	5
12	MAXAD distortion minimization for wavelet compression of remote sensing data **2001**,		1
11	Compression of volumetric medical data based on cube splitting **2000**,		1
10	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	7.5	2
9	Conformance Testing, Reference Software, and Implementations441-479		
8	Ongoing Standardization Efforts481-489		
7	JP3D Extensions for Three-Dimensional Data (Part 10)199-227		1