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. *Signal Processing: Image Communication*, **2004**, 19, 653-673	2.8	103
256	Wavelet coding of volumetric medical datasets. *IEEE Transactions on Medical Imaging*, **2003**, 22, 441-58	11.7	103
255	JPEG Pleno: Toward an Efficient Representation of Visual Reality. *IEEE MultiMedia*, **2016**, 23, 14-20	2.1	101
254	Wavelet based volumetric medical image compression. *Signal Processing: Image Communication*, **2015**, 31, 112-133	2.8	71
253	Computer-generated holograms by multiple wavefront recording plane method with occlusion culling. *Optics Express*, **2015**, 23, 22149-61	3.3	67
252	Signal processing challenges for digital holographic video display systems. *Signal Processing: Image Communication*, **2019**, 70, 114-130	2.8	64
251	JPEG 2000-based compression of fringe patterns for digital holographic microscopy. *Optical Engineering*, **2014**, 53, 123102	1.1	37
250	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
249	Colour computer-generated holography for point clouds utilizing the Phong illumination model. *Optics Express*, **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. *IEEE Transactions on Image Processing*, **2012**, 21, 1934-49	8.7	29
246	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
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. *Optics Express*, **2018**, 26, 1461-1473	3.3	27
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242	Embedded multiple description coding of video. *IEEE Transactions on Image Processing*, **2006**, 15, 3114-38	8.7	25
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240	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
239	Overlapped Block Motion Estimation and Probabilistic Compensation with Application in Distributed Video Coding. *IEEE Signal Processing Letters*, **2009**, 16, 743-746	3.2	22
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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. *Multimedia Tools and Applications*, **2013**, 66, 405-430	2.5	4
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147	Wavelet-based scalable L-infinity-oriented coding of MPEG-4 MESHGRID surface models **2005**,		4
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145	Efficient holographic video generation based on rotational transformation of wavefields. *Optics Express*, **2019**, 27, 37383-37399	3.3	4
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135	Holographic Data Storage Technology **2011**, 227-250		3
134	Fundamentals of Image Processing **2011**, 71-96		3
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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. *Integrated Computer-Aided Engineering*, **2012**, 19, 215-227	5.2	2
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106	Phase-Space Rotators and their Applications in Optics **2011**, 251-271		2
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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

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65	L-infinite Coding of 3D Representations of Human Affect **2012**,		1
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63	Biomedical Imaging Based on Vibrational Spectroscopy **2011**, 717-737		1
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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

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

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10 Conformance Testing, Reference Software, and Implementations441-479

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