

# Jan De Cock

## List of Publications by Year in descending order

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57  
papers

539  
citations

840776

11  
h-index

752698

20  
g-index

57  
all docs

57  
docs citations

57  
times ranked

440  
citing authors

#	ARTICLE	IF	CITATIONS
1	Encryption for high efficiency video coding with video adaptation capabilities. IEEE Transactions on Consumer Electronics, 2013, 59, 634-642.	3.6	56
2	Subjective Quality Assessment of Longer Duration Video Sequences Delivered Over HTTP Adaptive Streaming to Tablet Devices. IEEE Transactions on Broadcasting, 2014, 60, 707-714.	3.2	52
3	End-To-End Security for Video Distribution: The Combination of Encryption, Watermarking, and Video Adaptation. IEEE Signal Processing Magazine, 2013, 30, 97-107.	5.6	44
4	Parallel Deblocking Filtering in MPEG-4 AVC/H.264 on Massively Parallel Architectures. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 96-100.	8.3	32
5	No-Reference Bitstream-Based Visual Quality Impairment Detection for High Definition H.264/AVC Encoded Video Sequences. IEEE Transactions on Broadcasting, 2012, 58, 187-199.	3.2	29
6	Motion-based temporal transcoding from H.264/AVC-to-SVC in baseline profile. IEEE Transactions on Consumer Electronics, 2011, 57, 239-246.	3.6	23
7	3D video compression based on high efficiency video coding. IEEE Transactions on Consumer Electronics, 2012, 58, 137-145.	3.6	20
8	Requantization transcoding for H.264/AVC video coding. Signal Processing: Image Communication, 2010, 25, 235-254.	3.2	18
9	Requantization Transcoding of H.264/AVC Bitstreams for Intra 4x4 Prediction Modes. Lecture Notes in Computer Science, 2006, , 808-817.	1.3	15
10	Requantization Transcoding in Pixel and Frequency Domain for Intra 16x16 in H.264/AVC. Lecture Notes in Computer Science, 2006, , 533-544.	1.3	14
11	A novel hybrid requantization transcoding scheme for H.264/AVC. , 2007, , .		14
12	Fast Channel Switching Based on SVC in IPTV Environments. IEEE Transactions on Broadcasting, 2012, 58, 57-65.	3.2	14
13	Fast transrating for high efficiency video coding based on machine learning. , 2013, , .		14
14	Out-of-the-loop information hiding for HEVC video. , 2015, , .		14
15	No-reference bitstream-based impairment detection for high efficiency video coding. , 2012, , .		13
16	Encryption for High Efficiency Video Coding with video adaptation capabilities. , 2013, , .		11
17	Fast motion estimation for closed-loop HEVC transrating. , 2014, , .		11
18	Efficient spatial resolution reduction transcoding for H.264/AVC. , 2008, , .		10

#	ARTICLE	IF	CITATIONS
19	Assessing the importance of audio/video synchronization for simultaneous translation of video sequences. <i>Multimedia Systems</i> , 2012, 18, 445-457.	4.7	10
20	Performance analysis of machine learning for arbitrary downsizing of pre-encoded HEVC video. <i>IEEE Transactions on Consumer Electronics</i> , 2015, 61, 507-515.	3.6	9
21	Generic techniques to reduce SVC enhancement layer encoding complexity. <i>IEEE Transactions on Consumer Electronics</i> , 2011, 57, 827-832.	3.6	8
22	Advanced bitstream rewriting from H.264/AVC to SVC. , 2008, , .		7
23	Real-time error concealing bitstream adaptation methods for SVC in IPTV systems. <i>Journal of Real-Time Image Processing</i> , 2009, 4, 79-90.	3.5	7
24	Ultra High Definition video decoding with Motion JPEG XR using the GPU. , 2011, , .		7
25	Annotation based personalized adaptation and presentation of videos for mobile applications. <i>Multimedia Tools and Applications</i> , 2011, 55, 307-331.	3.9	7
26	On the impact of video stalling and video quality in the case of camera switching during adaptive streaming of sports content. , 2015, , .		7
27	Transcoding from H.264/AVC to SVC with CGS Layers. , 2007, , .		6
28	Dyadic spatial resolution reduction transcoding for H.264/AVC. <i>Multimedia Systems</i> , 2010, 16, 139-149.	4.7	6
29	Leveraging the quantization offset for improved requantization transcoding of H.264/AVC video. , 2009, , .		5
30	Mixed architectures for H.264/AVC digital video transrating. <i>Multimedia Tools and Applications</i> , 2009, 44, 39-64.	3.9	5
31	On an Evaluation of Transformation Languages in a Fully XML-Driven Framework for Video Content Adaptation. , 0, , .		4
32	Improved H.264/AVC Requantization Transcoding using Low-Complexity Interpolation Filters for 1/4-Pixel Motion Compensation. , 2007, , .		4
33	Combined SNR and Temporal Scalability for H.264/AVC using Requantization Transcoding and Hierarchical B Pictures. , 2007, , .		4
34	Optimal H.264/AVC video transcoding system. , 2011, , .		4
35	Multiview and depth map compression based on HEVC. , 2012, , .		4
36	An enhanced fast mode decision model for spatial enhancement layers in scalable video coding. <i>Multimedia Tools and Applications</i> , 2012, 58, 215-237.	3.9	4

#	ARTICLE	IF	CITATIONS
37	Efficient adaptive-shape partitioning of video. Multimedia Tools and Applications, 2012, 56, 385-417.	3.9	4
38	Increased flexibility in inter picture partitioning. , 2008, , .		3
39	Optimizing user QoE through overlay routing, bandwidth management and dynamic transcoding. , 2008, , .		3
40	Transcoding of H.264/AVC to SVC with motion data refinement. , 2009, , .		3
41	Multi-loop quality scalability based on high efficiency video coding. , 2012, , .		2
42	Data-parallel intra decoding for block-based image and video coding on massively parallel architectures. Signal Processing: Image Communication, 2012, 27, 220-237.	3.2	2
43	Complexity scalable H.264/AVC-to-SVC transcoding. , 2013, , .		2
44	Quality analysis of requantization transcoding architectures for H.264/AVC. , 2006, , .		1
45	Evaluation of transform performance when using shape-adaptive partitioning in video coding. , 2009, , .		1
46	Generic techniques to improve SVC enhancement layer encoding digest of technical papers. , 2011, , .		1
47	Low-complexity transcoding algorithm from H.264/AVC to SVC using data mining. Eurasip Journal on Advances in Signal Processing, 2013, 2013, .	1.7	1
48	A complexity-scalable hybrid H.264/AVC-to-SVC transcoder. IEEE Transactions on Consumer Electronics, 2013, 59, 672-680.	3.6	1
49	Joint complexity and rate optimization for 3DTV depth map encoding. , 2013, , .		1
50	Adaptive deblocking filtering scheme for intra-coded slices in H.264/AVC. , 2013, , .		1
51	An industry-level blu-ray watermarking framework. Multimedia Tools and Applications, 2015, 74, 8079-8101.	3.9	1
52	Improved dynamic rate shaping for H.264/AVC video streams. , 2008, , .		0
53	Reduced complexity multi-view video coding scheme for 2D camera arrays. , 2011, , .		0
54	Asymmetric coding scheme for 3D frame-compatible formats. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
55	Bit-stream-based scrambling for regions of interest in H.264/AVC videos with drift reduction. , 2016, , .		0
56	Fast Mode Decision Algorithm for H.264/AVC-to-SVC Transcoding with Temporal Scalability. Lecture Notes in Computer Science, 2012, , 585-596.	1.3	0
57	Video Technology for Storage and Distribution of Personalised Media. Computer Communications and Networks, 2013, , 347-371.	0.8	0