

# Tomasz Grajek

## List of Publications by Year in descending order

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46  
papers

303  
citations

1936888

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h-index

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49  
all docs

49  
docs citations

49  
times ranked

258  
citing authors

#	ARTICLE	IF	CITATIONS
1	Universal Modeling of Monoscopic and Multiview Video Codecs with Applications to Encoder Control. , 2021, , .		3
2	High Frame-Rate Virtual View Synthesis Based on Low Frame-Rate Input. , 2020, , .		0
3	3D Content Acquisition and Coding. Signals and Communication Technology, 2019, , 41-95.	0.4	2
4	Analysis of Video Quality Losses in Homogeneous HEVC Video Transcoding. IEEE Access, 2019, 7, 96764-96774.	2.6	3
5	Quantization of Depth in Simulcast and Multiview Coding of Stereoscopic Video plus Depth Using HEVC, VVC and MV-HEVC. , 2019, , .		2
6	Emerging Imaging Technologies: Trends and Challenges. Signals and Communication Technology, 2019, , 5-39.	0.4	2
7	Influence of Depth Map Fidelity on Virtual View Quality. , 2018, , .		2
8	Real-Time Virtual Navigation Provision by Simple Means. , 2018, , .		0
9	Depth Estimation from Stereoscopic 360-Degree Video. , 2018, , .		9
10	Omnidirectional View Synthesis and Test Images. , 2018, , .		2
11	Video Transrating in AVC to HEVC Transcoding. , 2018, , .		1
12	Bitrate Allocation for Multiview Video Plus Depth Simulcast Coding. , 2018, , .		3
13	Fast mode selection in the high-efficiency video coding intravideo encoder based on statistics of modes. Journal of Electronic Imaging, 2018, 27, 1.	0.5	0
14	Homogenous HEVC video transcoding by transform coefficient removal. , 2017, , .		2
15	Encoding mode selection in HEVC with the use of noise reduction. , 2017, , .		44
16	Immersive visual media " MPEG-I: 360 video, virtual navigation and beyond. , 2017, , .		30
17	20 Years of Progress in Video Compression " from MPEG-1 to MPEG-H HEVC. General View on the Path of Video Coding Development. Advances in Intelligent Systems and Computing, 2017, , 3-15.	0.5	3
18	Demonstration of a simple free viewpoint television system. , 2017, , .		5

#	ARTICLE	IF	CITATIONS
19	New visual coding exploration in MPEG: Super-MultiView and Free Navigation in Free viewpoint TV. IS&T International Symposium on Electronic Imaging, 2016, 28, 1-9.	0.3	21
20	New results in free-viewpoint television systems for horizontal virtual navigation. , 2016, , .		6
21	Analysis of the complexity of the HEVC motion estimation. , 2016, , .		5
22	Computational complexity tradeoffs in HEVC motion estimation. , 2016, , .		0
23	Multi-generation encoding using HEVC All Intra versus JPEG 2000. , 2015, , .		2
24	Analysis of CABAC context models efficiency in the HEVC. , 2015, , .		0
25	Methods of high efficiency compression for transmission of spatial representation of motion scenes. , 2015, , .		3
26	Analysis of Compressed Data Stream Content in HEVC Video Encoder. International Journal of Electronics and Telecommunications, 2015, 61, 121-127.	0.6	5
27	Rate-distortion optimized quantization in HEVC: Performance limitations. , 2015, , .		14
28	3D-HEVC extension for circular camera arrangements. , 2015, , .		14
29	Bitrate distribution of syntax elements in the HEVC encoded video. , 2014, , .		10
30	Comparison of 3D video subjective quality evaluated using polarisation and autostereoscopic displays. Electronics Letters, 2014, 50, 1283-1285.	0.5	3
31	Analysis of Frame Partitioning in HEVC. Lecture Notes in Computer Science, 2014, , 602-609.	1.0	3
32	High Efficiency 3D Video Coding Using New Tools Based on View Synthesis. IEEE Transactions on Image Processing, 2013, 22, 3517-3527.	6.0	43
33	Limitations of vehicle length estimation using stereoscopic video analysis. , 2013, , .		2
34	Digital watermarking with local strength adjustment for AVC-compressed HDTV bitstreams. , 2013, , .		4
35	Methodology for 3D Video Subjective Quality Evaluation. International Journal of Electronics and Telecommunications, 2013, 59, 25-32.	0.5	5
36	Vehicle dimensions estimation scheme using AAM on stereoscopic video. , 2013, , .		3

#	ARTICLE	IF	CITATIONS
37	Video quality in multiple HEVC encoding-decoding cycles. , 2013, , .		5
38	Subjective quality assessment methodology for 3D video compression technology. , 2012, , .		5
39	Coding of multiple video&#x002B;depth using HEVC technology and reduced representations of side views and depth maps. , 2012, , .		12
40	Fast watermarking of MPEG-4 AVC/H.264 encoded HDTV video bitstreams. , 2012, , .		5
41	Architecture of Algorithmically Optimized MPEG-4 AVC/H.264 Video Encoder. Lecture Notes in Computer Science, 2012, , 79-86.	1.0	1
42	A Large Barrel Distortion in an Acquisition System for Multifocal Images Extraction. Lecture Notes in Computer Science, 2012, , 164-171.	1.0	3
43	New model of MPEG-4 AVC/H.264 video encoders. , 2010, , .		3
44	A global model of AVC/H.264 video encoders. , 2009, , .		2
45	A Simple Quantitative Model of AVC/H.264 Video Coders. Lecture Notes in Computer Science, 2009, , 174-183.	1.0	0
46	Estimation of the Optimum Depth Quantization Parameter for a Given Bitrate of Multiview Video Plus Depth in 3D-HEVC Coding. , 0, , .		1