

Touradj Ebrahimi

List of Publications by Year in descending order

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77
papers

3,642
citations

304602

22
h-index

345118

36
g-index

77
all docs

77
docs citations

77
times ranked

3028
citing authors

#	ARTICLE	IF	CITATIONS
1	An efficient P300-based brain-computer interface for disabled subjects. <i>Journal of Neuroscience Methods</i> , 2008, 167, 115-125.	1.3	721
2	Cast shadow segmentation using invariant color features. <i>Computer Vision and Image Understanding</i> , 2004, 95, 238-259.	3.0	312
3	Quality assessment of multidimensional video scalability. <i>IEEE Communications Magazine</i> , 2012, 50, 38-46.	4.9	279
4	Scrambling for Privacy Protection in Video Surveillance Systems. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2008, 18, 1168-1174.	5.6	217
5	The JPEG XR image coding standard [Standards in a Nutshell]. <i>IEEE Signal Processing Magazine</i> , 2009, 26, 195-204.	4.6	147
6	JPEG Pleno: Toward an Efficient Representation of Visual Reality. <i>IEEE MultiMedia</i> , 2016, 23, 14-20.	1.5	136
7	Distributed Monoview and Multiview Video Coding. <i>IEEE Signal Processing Magazine</i> , 2007, 24, 67-76.	4.6	125
8	JPEG 2000 performance evaluation and assessment. <i>Signal Processing: Image Communication</i> , 2002, 17, 113-130.	1.8	111
9	Perceptual Video Compression: A Survey. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2012, 6, 684-697.	7.3	102
10	Calculation of average coding efficiency based on subjective quality scores. <i>Journal of Visual Communication and Image Representation</i> , 2014, 25, 555-564.	1.7	98
11	Subjective Quality Evaluation via Paired Comparison: Application to Scalable Video Coding. <i>IEEE Transactions on Multimedia</i> , 2011, 13, 882-893.	5.2	86
12	<title>JPEG 2000 still image coding versus other standards</title>. , 2000, , .		80
13	MPEG-4 natural video coding – An overview. <i>Signal Processing: Image Communication</i> , 2000, 15, 365-385.	1.8	75
14	A comprehensive study of the rate-distortion performance in MPEG point cloud compression. <i>APSIPA Transactions on Signal and Information Processing</i> , 2019, 8, .	2.6	72
15	Comparison and Evaluation of Light Field Image Coding Approaches. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2017, 11, 1092-1106.	7.3	70
16	A framework for the validation of privacy protection solutions in video surveillance. , 2010, , .		63
17	Using warping for privacy protection in video surveillance. , 2013, , .		59
18	Subjective quality evaluation of the upcoming HEVC video compression standard. , 2012, , .		57

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19	Paired comparison-based subjective quality assessment of stereoscopic images. <i>Multimedia Tools and Applications</i> , 2013, 67, 31-48.	2.6	46
20	Implicit emotional tagging of multimedia using EEG signals and brain computer interface. , 2009, , .		45
21	Overview and evaluation of the JPEG-XR HDR image compression standard. <i>Journal of Real-Time Image Processing</i> , 2019, 16, 413-428.	2.2	45
22	JPEG Pleno: Providing representation interoperability for holographic applications and devices. <i>ETRI Journal</i> , 2019, 41, 93-108.	1.2	37
23	Subjective quality assessment database of HDR images compressed with JPEG XR. , 2015, , .		36
24	Subjective evaluation of JPEG XR image compression. <i>Proceedings of SPIE</i> , 2009, , .	0.8	35
25	Towards high efficiency video coding: Subjective evaluation of potential coding technologies. <i>Journal of Visual Communication and Image Representation</i> , 2011, 22, 734-748.	1.7	34
26	Efficient video coding based on audio-visual focus of attention. <i>Journal of Visual Communication and Image Representation</i> , 2011, 22, 704-711.	1.7	33
27	Subjective evaluation of scalable video coding for content distribution. , 2010, , .		32
28	Comparison of Compression Efficiency between HEVC/H.265, VP9 and AV1 based on Subjective Quality Assessments. , 2018, , .		31
29	Electroencephalogram alterations during perception of pleasant and unpleasant odors. , 2012, , .		27
30	HDR image compression: A new challenge for objective quality metrics. , 2014, , .		26
31	Comparison of compression efficiency between HEVC/H.265 and VP9 based on subjective assessments. <i>Proceedings of SPIE</i> , 2014, , .	0.8	25
32	Video surveillance using JPEG 2000. , 2004, 5558, 268.		24
33	Subjective Quality Evaluation of Foveated Video Coding Using Audio-Visual Focus of Attention. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2011, 5, 1322-1331.	7.3	23
34	Benchmarking of quality metrics on ultra-high definition video sequences. , 2013, , .		22
35	Quality evaluation of HEVC and VP9 video compression in real-time applications. , 2015, , .		22
36	How to benchmark objective quality metrics from paired comparison data?. , 2016, , .		20

#	ARTICLE	IF	CITATIONS
37	Image privacy protection with secure JPEG transmorphing. IET Signal Processing, 2017, 11, 1031-1038.	0.9	20
38	Quality assessment of a stereo pair formed from decoded and synthesized views using objective metrics. , 2012, , .		17
39	Geotag propagation in social networks based on user trust model. Multimedia Tools and Applications, 2012, 56, 155-177.	2.6	16
40	Context-dependent JPEG backward-compatible high-dynamic range image compression. Optical Engineering, 2013, 52, 102006.	0.5	16
41	Quality Assessment Of Compression Solutions for Icip 2017 Grand Challenge on Light Field Image Coding. , 2018, , .		15
42	JPEG Pleno: a standard framework for representing and signaling plenoptic modalities. , 2018, , .		15
43	Quality assessment of asymmetric stereo pair formed from decoded and synthesized views. , 2012, , .		14
44	Scrambling-based tool for secure protection of JPEG images. , 2014, , .		14
45	Influence of audio-visual attention on perceived quality of standard definition multimedia content. , 2009, , .		13
46	Video coding based on audio-visual attention. , 2009, , .		11
47	Encoder and decoder side global and local motion estimation for Distributed Video Coding. , 2010, , .		11
48	Error-resilient video coding performance analysis of motion JPEG2000 and MPEG-4. , 2004, 5308, 596.		9
49	Spatio-temporal shadow segmentation and tracking. , 2003, , .		8
50	Crowdsourcing-based evaluation of privacy in HDR images. Proceedings of SPIE, 2014, , .	0.8	8
51	Graph-based approach for 3D object duplicate detection. , 2009, , .		7
52	Towards optimal distortion-based visual privacy filters. , 2014, , .		7
53	Implicit affective profiling of subjects based on physiological data coupling. Brain-Computer Interfaces, 2014, 1, 85-98.	0.9	7
54	Error-resilient scalable compression based on distributed video coding. Signal Processing: Image Communication, 2009, 24, 437-451.	1.8	6

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55	Compression Performance Analysis in HEVC. Integrated Circuits and Systems, 2014, , 275-302.	0.2	6
56	Objective quality metrics for video scalability. , 2013, , .		4
57	Subjective evaluation of two stereoscopic imaging systems exploiting visual attention to improve 3D quality of experience. Proceedings of SPIE, 2014, , .	0.8	4
58	Crowdsourcing evaluation of high dynamic range image compression. Proceedings of SPIE, 2014, , .	0.8	4
59	Recent advances in MPEG-7 cameras. , 2006, , .		3
60	Efficient video coding in H.264/AVC by using audio-visual information. , 2009, , .		3
61	Implicit retrieval of salient images using Brain Computer Interface. , 2010, , .		3
62	Evaluation of privacy in high dynamic range video sequences. Proceedings of SPIE, 2014, , .	0.8	3
63	Using false colors to protect visual privacy of sensitive content. Proceedings of SPIE, 2015, , .	0.8	3
64	Evaluation of JPEG XT for high dynamic range cameras. Signal Processing: Image Communication, 2017, 50, 9-20.	1.8	3
65	Privacy protection of tone-mapped HDR images using false colours. IET Signal Processing, 2017, 11, 1055-1061.	0.9	3
66	An in-depth analysis of single-image subjective quality assessment of light field contents. , 2019, , .		3
67	Cross-lab subjective evaluation of the MVC+D and 3D-AVC 3D video coding standards. , 2014, , .		2
68	Rate-distortion evaluation for two-layer coding systems. , 2015, , .		2
69	A Rendering Solution to Display Light Field in Virtual Reality. , 2018, , .		2
70	Toward Emotional Annotation of Multimedia Contents. Computer Communications and Networks, 2013, , 239-259.	0.8	2
71	A new framework for interactive quality assessment with application to light field coding. , 2017, , .		2
72	Social game epitome versus automatic visual analysis. , 2011, , .		1

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73	Audiovisual focus of attention and its application to Ultra High Definition video compression. , 2014, , .		1
74	Comparison of Interactive Subjective Methodologies for Light Field Quality Evaluation. , 2018, , .		1
75	JPWLâ€™ JPEG 2000 Wireless (Part 11). , 0, , 229-248.		0
76	Omnidirectional object duplicate detection. , 2011, , .		0
77	Rendering-dependent compression and quality evaluation for light field contents. , 2019, , .		0