Ingrid Heynderickx

List of Publications by Year
in descending order

75 papers	2,550 citations	304602 22 h-index	197736 49 g-index
75 all docs	75 docs citations	75 times ranked	2027 citing authors

#	Article	IF	Citations
1	A Comparison of Methodologies to Investigate the Influence of Light on the Atmosphere of a Space. LEUKOS - Journal of Illuminating Engineering Society of North America, 2018, 14, 167-191.	1.5	12
2	Quantifying the Visibility of Periodic Flicker. LEUKOS - Journal of Illuminating Engineering Society of North America, 2017, 13, 127-142.	1.5	16
3	Change detection in pictorial and solid scenes: The role of depth of field. PLoS ONE, 2017, 12, e0188432.	1.1	4
4	Inducing Sadness and Anxiousness through Visual Media: Measurement Techniques and Persistence. Frontiers in Psychology, 2016, 7, 1141.	1.1	19
5	17-3: Simultaneous Optimization of Color Contrast and Color Rendering Index for Surgical Lighting. Digest of Technical Papers SID International Symposium, 2016, 47, 197-199.	0.1	1
6	The Relative Impact of Ghosting and Noise on the Perceived Quality of MR Images. IEEE Transactions on Image Processing, 2016, 25, 3087-3098.	6.0	14
7	Virtual Bystanders in a Language Lesson: Examining the Effect of Social Evaluation, Vicarious Experience, Cognitive Consistency and Praising on Students' Beliefs, Self-Efficacy and Anxiety in a Virtual Reality Environment. PLoS ONE, 2015, 10, e0125279.	1.1	20
8	Quantifying the importance of preserving video quality in visually important regions at the expense of background content. Signal Processing: Image Communication, 2015, 32, 69-80.	1.8	7
9	Understanding the role of social context and user factors in video Quality of Experience. Computers in Human Behavior, 2015, 49, 412-426.	5.1	73
10	Optimal illumination for local contrast enhancement based on the human visual system. Journal of Biomedical Optics, 2015, 20, 015005.	1.4	17
11	Effects of task and image properties on visual-attention deployment in image-quality assessment. Journal of Electronic Imaging, 2015, 24, 023030.	0.5	5
12	Depth of Field Affects Perceived Depth in Stereographs. ACM Transactions on Applied Perception, 2015, 11, 1-18.	1.2	13
13	Lighting to Make You Feel Better: Improving the Mood of Elderly People with Affective Ambiences. PLoS ONE, 2015, 10, e0132732.	1.1	45
14	A Meta-Analysis on the Relationship between Self-Reported Presence and Anxiety in Virtual Reality Exposure Therapy for Anxiety Disorders. PLoS ONE, 2014, 9, e96144.	1.1	130
15	The Visual Light Field in Real Scenes. I-Perception, 2014, 5, 613-629.	0.8	27
16	Relationship of Just Noticeable Difference (JND) in Black Level and White Level With Image Content. Journal of Display Technology, 2014, 10, 470-477.	1.3	9
17	Preferred color gamut boundaries for wide€gamut and multiprimary displays. Color Research and Application, 2014, 39, 169-178.	0.8	2
18	The aesthetic appeal of depth of field in photographs. , 2014, , .		4

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19	Conversations with a virtual human: Synthetic emotions and human responses. Computers in Human Behavior, 2014, 34, 58-68.	5.1	30
20	Human Discrimination of Depth of Field in Stereoscopic and Nonstereoscopic Photographs. Perception, 2014, 43, 368-380.	0.5	5
21	Comparative Study of Fixation Density Maps. IEEE Transactions on Image Processing, 2013, 22, 1121-1133.	6.0	33
22	Human perception of a conversational virtual human: an empirical study on the effect of emotion and culture. Virtual Reality, 2013, 17, 307-321.	4.1	17
23	On the impact of packet-loss impairments on visual attention mechanisms. , 2013, , .		7
24	How Does Image Content Affect the Added Value of Visual Attention in Objective Image Quality Assessment?. IEEE Signal Processing Letters, 2013, 20, 355-358.	2.1	28
25	The relationship between individual characteristics and experienced presence. Computers in Human Behavior, 2013, 29, 1519-1530.	5.1	85
26	Probing light in real scenes using optical mixtures. , 2013, , .		4
27	The Effect of Priming Pictures and Videos on a Question–Answer Dialog Scenario in a Virtual Environment. Presence: Teleoperators and Virtual Environments, 2013, 22, 91-109.	0.3	13
28	Studying the effect of optimizing image quality in salient regions at the expense of background content. Journal of Electronic Imaging, 2013, 22, 043012.	0.5	12
29	P.30: Effect of the Correlated Color Temperature of Light on Overhead Glare in Offices. Digest of Technical Papers SID International Symposium, 2013, 44, 1096-1098.	0.1	1
30	The Effect of Perspective on Presence and Space Perception. PLoS ONE, 2013, 8, e78513.	1.1	12
31	Towards an efficient model of visual saliency for objective image quality assessment. , 2012, , .		4
32	Studying the relative impact of ghosting and noise on the perceived quality of MR images. Proceedings of SPIE, 2012, , .	0.8	1
33	Examining the effect of task on viewing behavior in videos using saliency maps. , 2012, , .		11
34	Effect of Display Technology on the Crosstalk Perception in Stereoscopic Video Content. IEEE Transactions on Circuits and Systems for Video Technology, 2012, 22, 1257-1265.	5.6	5
35	Effects of Stereoscopic Viewing on Presence, Anxiety, and Cybersickness in a Virtual Reality Environment for Public Speaking. Presence: Teleoperators and Virtual Environments, 2012, 21, 254-267.	0.3	50
36	Visual Attention in Objective Image Quality Assessment: Based on Eye-Tracking Data. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 971-982.	5.6	200

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37	Susceptibility to Visual Discomfort of 3-D Displays by Visual Performance Measures. IEEE Transactions on Circuits and Systems for Video Technology, 2011, 21, 1913-1923.	5.6	38
38	Image quality and visual attention interactions: Towards a more reliable analysis in the saliency space. , 2011, , .		10
39	Evaluation of Stereoscopic Images: Beyond 2D Quality. IEEE Transactions on Broadcasting, 2011, 57, 432-444.	2.5	99
40	Crosstalk Evaluation in Stereoscopic Displays. Journal of Display Technology, 2011, 7, 208-214.	1.3	43
41	A study on overhead glare in office lighting conditions. Journal of the Society for Information Display, 2011, 19, 888.	0.8	13
42	Interactions of visual attention and quality perception. Proceedings of SPIE, 2011, , .	0.8	36
43	An exploration of the initial effects of stereoscopic displays on optometric parameters. Ophthalmic and Physiological Optics, 2011, 31, 33-44.	1.0	19
44	Studying the effect of optimizing the image quality in saliency regions at the expense of background content. Proceedings of SPIE, 2010, , .	0.8	11
45	Added value of an autostereoscopic multiview 3-D display for advertising in a public environment. Displays, 2010, 31, 1-8.	2.0	21
46	Just noticeable difference in black level, white level and chroma for natural images measured in two different countries. Displays, 2010, 31, 25-34.	2.0	9
47	A Perceptually Relevant Approach to Ringing Region Detection. IEEE Transactions on Image Processing, 2010, 19, 1414-1426.	6.0	18
48	Comparing subjective image quality measurement methods for the creation of public databases. , 2010, , .		24
49	Preferred and maximally acceptable color gamut for reproducing natural image content. Journal of the Society for Information Display, 2010, 18, 1111.	0.8	4
50	Measuring visual fatigue and visual discomfort associated with 3â€Ð displays. Journal of the Society for Information Display, 2010, 18, 931-943.	0.8	56
51	Crossâ€talk acceptability in natural still images for different (auto)stereoscopic display technologies. Journal of the Society for Information Display, 2010, 18, 405-414.	0.8	13
52	A No-Reference Metric for Perceived Ringing Artifacts in Images. IEEE Transactions on Circuits and Systems for Video Technology, 2010, 20, 529-539.	5.6	125
53	Comparing two eye-tracking databases: The effect of experimental setup and image presentation time on the creation of saliency maps. , 2010, , .		2
54	How to apply spatial saliency into objective metrics for JPEG compressed images?. , 2009, , .		11

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55	Visual Discomfort and Visual Fatigue of Stereoscopic Displays: A Review. Journal of Imaging Science and Technology, 2009, 53, 30201-1-30201-14.	0.3	812
56	A new characterization method to define the viewing angle range of matrix displays. Displays, 2009, 30, 77-83.	2.0	7
57	Perceivable artifacts in compressed video and their relation to video quality. Signal Processing: Image Communication, 2009, 24, 548-556.	1.8	18
58	Evaluation of motion performance on scanning-backlight LCDs. Journal of the Society for Information Display, 2009, 17, 251-261.	0.8	3
59	A Perceptually Relevant No-Reference Blockiness Metric Based on Local Image Characteristics. Eurasip Journal on Advances in Signal Processing, 2009, 2009, .	1.0	48
60	Perception of detail in 3D images. , 2009, , .		9
61	A perceptually based metric to characterize the viewing-angle range of matrix displays. Journal of the Society for Information Display, 2008, 16, 27.	0.8	7
62	10.2: Motion Artifact Analysis on Scanning Backlight LCD. Digest of Technical Papers SID International Symposium, 2008, 39, 113-116.	0.1	3
63	Perceptually optimal boundaries for wide gamut TVs. , 2008, , .		9
64	73.4: Investigation of Crosstalk in a 2-View 3D Display. Digest of Technical Papers SID International Symposium, 2008, 39, 1138-1141.	0.1	22
65	Co-occurrence Matrixes for the Quality Assessment of Coded Images. Lecture Notes in Computer Science, 2008, , 897-906.	1.0	2
66	P-37: Just Noticeable Difference of Image Attributes for Natural Images. Digest of Technical Papers SID International Symposium, 2007, 38, 326-329.	0.1	6
67	27.4: Statistical Approach to Find a Perceptually Relevant Measure for the Viewing Angle Dependency of Displays. Digest of Technical Papers SID International Symposium, 2007, 38, 1150-1153.	0.1	3
68	26.3: Characterizing LCD Motion Color Artifacts Using Simulation Methods. Digest of Technical Papers SID International Symposium, 2007, 38, 1130-1133.	0.1	1
69	32.2: Effect of Crosstalk in Multi-View Autostereoscopic 3D Displays on Perceived Image Quality. Digest of Technical Papers SID International Symposium, 2007, 38, 1220-1223.	0.1	34
70	Modeling motion-induced color artifacts from the temporal step response. Journal of the Society for Information Display, 2007, 15, 1065-1071.	0.8	4
71	Method for predicting motion artifacts in matrix displays. Journal of the Society for Information Display, 2006, 14, 957.	0.8	24
72	Objective quality assessment of displayed images by using neural networks. Signal Processing: Image Communication, 2005, 20, 643-661.	1.8	36

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73	Color-gamut expansion in CRTs. Journal of the Society for Information Display, 2004, 12, 241.	0.8	4
74	Visibility threshold in sharpness for people with different regional backgrounds. Journal of the Society for Information Display, 2004, 12, 509.	0.8	4
75	17.1: Design of a Tool to Benchmark Scaling Algorithms on LCD Monitors. Digest of Technical Papers SID International Symposium, 2002, 33, 704.	0.1	6