Laurie M Wilcox

List of Publications by Year
in descending order

		430442	414034
99 papers	1,295 citations	18 h-index	32 g-index
99 all docs	99 docs citations	99 times ranked	721 citing authors

#	Article	IF	Citations
1	Linear and non-linear filtering in stereopsis. Vision Research, 1994, 34, 2431-2438.	0.7	96
2	Personal space in virtual reality. ACM Transactions on Applied Perception, 2006, 3, 412-428.	1.2	94
3	Coarse-fine dichotomies in human stereopsis. Vision Research, 2009, 49, 2653-2665.	0.7	74
4	Dmax for stereopsis depends on size, not spatial frequency content. Vision Research, 1995, 35, 1061-1069.	0.7	67
5	The role of monocularly visible regions in depth and surface perception. Vision Research, 2009, 49, 2666-2685.	0.7	67
6	The Effect of Crosstalk on the Perceived Depth From Disparity and Monocular Occlusions. IEEE Transactions on Broadcasting, 2011, 57, 445-453.	2.5	63
7	Is the site of non-linear filtering in stereopsis before or after binocular combination?. Vision Research, 1996, 36, 391-399.	0.7	54
8	On the typical development of stereopsis: Fine and coarse processing. Vision Research, 2013, 89, 65-71.	0.7	52
9	Mental rotation: Cross-task training and generalization.. Journal of Experimental Psychology: Applied, 2010, 16, 349-360.	0.9	40
10	Stereoscopic transparency: Constraints on the perception of multiple surfaces. Journal of Vision, 2008, 8, 5.	0.1	39
11	Scale selection for second-order (non-linear) stereopsis. Vision Research, 1997, 37, 2981-2992.	0.7	37
12	Sparing of coarse stereopsis in stereodeficient children with a history of amblyopia. Journal of Vision, 2013, 13, 17-17.	0.1	36
13	Perceptual artefacts, suspension of disbelief and realism in stereoscopic 3D film. Public, 2013, 24, 149-160.	0.0	30
14	A reevaluation of the tolerance to vertical misalignment in stereopsis. Journal of Vision, 2009, 9, 1-1.	0.1	23
15	When stereopsis does not improve with increasing contrast1Portions of this work were presented at The European Conference on Visual Perception, Helsinki, 1997.1. Vision Research, 1998, 38, 3671-3679.	0.7	21
16	Evidence that Viewers Prefer Higher Frame-Rate Film. ACM Transactions on Applied Perception, 2015, 12, 1-12.	1.2	21
17	Monocular occlusions determine the perceived shape and depth of occluding surfaces. Journal of Vision, 2010, 10, 11-11.	0.1	19
18	Depth magnitude from stereopsis: Assessment techniques and the role of experience. Vision Research, 2016, 125, 64-75.	0.7	18

#	ARTICLE	IF	CITATIONS
19	Depth from Binocular Half-Occlusions in Stereoscopic Images of Natural Scenes. Perception, 2007, 36, 830-839.	0.5	17
20	The transient nature of 2nd-order stereopsis. Vision Research, 2008, 48, 1327-1334.	0.7	17
21	First and second-order contributions to surface interpolation. Vision Research, 1999, 39, 2335-2347.	0.7	15
22	The role of binocular stereopsis in monoptic depth perception. Vision Research, 2007, 47, 2367-2377.	0.7	15
23	Perceptual asymmetry reveals neural substrates underlying stereoscopic transparency. Vision Research, 2012, 54, 1-11.	0.7	15
24	Gestalt grouping via closure degrades suprathreshold depth percepts. Journal of Vision, 2014, 14, 14-14.	0.1	15
25	75.3: Is Brighter Always Better? The Effects of Display and Ambient Luminance on Preferences for Digital Signage. Digest of Technical Papers SID International Symposium, 2010, 41, 1116-1119.	0.1	14
26	Da Vinci decoded: Does da Vinci stereopsis rely on disparity?. Journal of Vision, 2012, 12, 2-2.	0.1	14
27	A computational theory of da Vinci stereopsis. Journal of Vision, 2014, 14, 5-5.	0.1	14
28	Monovision: Consequences for depth perception from large disparities. Experimental Eye Research, 2019, 183, 62-67.	1.2	14
29	Vergence eye movements are not essential for stereoscopic depth. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132118.	1.2	13
30	The effects of blur and size on monocular and stereoscopic localization. Vision Research, 2000, 40, 3575-3584.	0.7	12
31	Spatial and Temporal Properties of Stereoscopic Surface Interpolation. Perception, 2005, 34, 1325-1338.	0.5	12
32	The effect of dark and equiluminant occlusion on the interocular transfer of visual aftereffects. Vision Research, 1996, 36, 707-715.	0.7	11
33	75â€2: <i>Invited Paper</i>: Large Scale Subjective Evaluation of Display Stream Compression. Digest of Technical Papers SID International Symposium, 2017, 48, 1101-1104.	0.1	11
34	<title>Viewing stereoscopic images comfortably: the effects of whole-field vertical disparity</title>. , 2002, , .		10
35	Adaptation to vertical disparity induced-depth: implications for disparity processing. Vision Research, 2003, 43, 135-147.	0.7	10
36	The intrinsic constraint approach to cue combination: An empirical and theoretical evaluation. Journal of Vision, 2008, 8, 5-5.	0.1	10

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37	Effect of crosstalk on depth magnitude in thin structures. Journal of Electronic Imaging, 2012, 21, 011003.	0.5	10
38	Perceptual grouping via binocular disparity: The impact of stereoscopic good continuation. Journal of Vision, 2015, 15, 11.	0.1	10
39	Paper: Expert Viewersâ€™ Preferences for Higher Frame Rate 3DÂFilm. Journal of Imaging Science and Technology, 2016, 60, 604021-604029.	0.3	10
40	Determinants of perceived image quality: ghosting vs. brightness. , 2003, , .		9
41	Disparity biasing in depth from monocular occlusions. Vision Research, 2011, 51, 1699-1711.	0.7	9
42	Perceptual Tolerance to Stereoscopic 3D Image Distortion. ACM Transactions on Applied Perception, 2015, 12, 1-20.	1.2	9
43	On the evidence for a 'pure' binocular process in human vision. Spatial Vision, 1989, 4, 1-15.	1.4	8
44	Effects of frame rate on vection and postural sway. Displays, 2019, 58, 33-43.	2.0	8
45	Perceptual Artifacts in Random-Dot Stereograms. Perception, 2010, 39, 349-355.	0.5	7
46	Perceived three-dimensional shape toggles perceived glow. Current Biology, 2016, 26, R350-R351.	1.8	7
47	85â€‘1: Visually Lossless Compression of High Dynamic Range Images: A Largeâ€Scale Evaluation. Digest of Technical Papers SID International Symposium, 2018, 49, 1151-1154.	0.1	7
48	Perspectives on the definition of visually lossless quality for mobile and large format displays. Journal of Electronic Imaging, 2018, 27, 1.	0.5	7
49	Effects of Long-Term Exposure on Sensitivity and Comfort with Stereoscopic Displays. ACM Transactions on Applied Perception, 2014, 11, 1-13.	1.2	6
50	Subjective assessment of display stream compression for stereoscopic imagery. Journal of the Society for Information Display, 2021, 29, 591-607.	0.8	6
51	The Impact of Radial Distortions in VR Headsets on Perceived Surface Slant. Journal of Imaging Science and Technology, 2019, 63, 060409-1-060409-11.	0.3	6
52	Measurement of Visual Aftereffects and Inferences about Binocular Mechanisms in Human Vision. Perception, 1990, 19, 43-55.	0.5	5
53	Stereoscopic Surface Interpolation Supports Lightness Constancy. Psychological Science, 2003, 14, 525-525.	1.8	5
54	Stereo dynamics are not scale-dependent. Vision Research, 2006, 46, 1911-1923.	0.7	5

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55	3D display size matters: Compensating for the perceptual effects of S3D display scaling. , 2012, , .		5
56	Pâ€31: A Statistical Paradigm for Assessment of Subjective Image Quality Results. Digest of Technical Papers SID International Symposium, 2018, 49, 1312-1314.	0.1	5
57	Subjective Assessment of Stereoscopic Image Quality: The Impact of Visually Lossless Compression. , 2020, , .		5
58	Optical distortions in VR bias the perceived slant of moving surfaces. , 2020, , .		5
59	The effect of crosstalk on depth magnitude in thin structures. , 2011, , .		4
60	Disparity configuration influences depth discrimination in naÃ¯ve adults, but not in children. Vision Research, 2017, 131, 106-119.	0.7	4
61	3â€4: Stereoscopic Image Quality Assessment. Digest of Technical Papers SID International Symposium, 2019, 50, 13-16.	0.1	4
62	Cue vetoing in depth estimation: Physical and virtual stimuli. Vision Research, 2021, 188, 51-64.	0.7	4
63	Stereoscopic depth constancy for physical objects and their virtual counterparts. Journal of Vision, 2022, 22, 9.	0.1	4
64	Stereoscopic depth constancy from a different direction. Vision Research, 2021, 178, 70-78.	0.7	3
65	Perceived depth modulates perceptual resolution. Psychonomic Bulletin and Review, 2022, 29, 455-466.	1.4	3
66	Distortions of Space in Stereoscopic 3D Content. , 2011, , .		3
67	Sensitivity to Monocular Occlusions in Stereoscopic Imagery: Implications for S3D Content Creation, Distribution and Exhibition. , 2010, , .		2
68	Crosstalk reduces the amount of depth seen in 3D images of natural scenes. , 2012, , .		2
69	Estimation of Altitude in Stereoscopic-3D Versus 2D Real-world Scenes. IS&T International Symposium on Electronic Imaging, 2017, 2017, 41-47.	0.3	2
70	Effects of Motion Picture Frame Rate on Material and Texture Appearance. IEEE Transactions on Broadcasting, 2021, 67, 360-371.	2.5	2
71	The relationship between reflex eye realignment and the percept of single vision in young children. Scientific Reports, 2021, 11, 375.	1.6	2
72	Surface slant impairs disparity discontinuity discrimination. Vision Research, 2021, 180, 37-50.	0.7	2

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73	Effects of image intensifier halo on perceived layout. , 2007, , .		1
74	On the distinction between perceived &amp; predicted depth in S3D films. , 2011, , .		1
75	Motion in depth constancy in stereoscopic displays. , 2012, , .		1
76	Audio-visual integration in stereoscopic 3D. , 2013, , .		1
77	Evaluation of the impact of high frame rates on legibility in S3D film. , 2015, , .		1
78	Size matters: Perceived depth magnitude varies with stimulus height. Vision Research, 2016, 123, 41-45.	0.7	1
79	The impact of retinal motion on stereoacuity for physical targets. Vision Research, 2019, 161, 43-51.	0.7	1
80	Vergence responses to fine and coarse disparities: Adult-like tuning functions at 5 years of age. Journal of Vision, 2016, 16, 841.	0.1	1
81	Paper: Expert Viewers' Preferences for Higher Frame Rate 3D Film. IS&T International Symposium on Electronic Imaging, 2017, 2017, 20-28.	0.3	1
82	Effects of motion picture frame rate on material and texture appearance. Journal of Vision, 2017, 17, 418.	0.1	1
83	On the Contribution of a Binocular â€˜AND’ Channel at Contrast Threshold. Perception, 1994, 23, 659-669.	0.5	0
84	Visibility of Color Breakup Phenomena in Displays Based on Narrowband Spectral Sources. Journal of Display Technology, 2012, 8, 186-193.	1.3	0
85	Preference for motion and depth in 3D film. , 2015, , .		0
86	The effects of depth warping on perceived acceleration in stereoscopic animation. , 2016, , .		0
87	Optimal combination of illusory and luminance-defined 3-D surfaces: A role for ambiguity. Journal of Vision, 2018, 18, 14.	0.1	0
88	Contributions of Stereopsis and Aviation Experience to Simulated Rotary Wing Altitude Estimation. Human Factors, 2020, 62, 812-824.	2.1	0
89	On the combination of illusory and luminance-defined stereoscopic surfaces. Journal of Vision, 2017, 17, 1054.	0.1	0
90	Distortions in perceived depth magnitude for stereoscopic surfaces. Journal of Vision, 2017, 17, 317.	0.1	0

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91	The impact of object-based grouping on perceived depth magnitude: Virtual vs. physical targets. Journal of Vision, 2017, 17, 156.	0.1	0
92	The contribution of monocular and binocular cues to altitude estimation in aircrew. Journal of Vision, 2017, 17, 42.	0.1	0
93	Depth constancy for virtual and physical objects. Journal of Vision, 2018, 18, 508.	0.1	0
94	Perceived shape from motion parallax and stereopsis in physical and virtual objects. Journal of Vision, 2019, 19, 89c.	0.1	0
95	Slant perception in the presence of curvature distortion. Journal of Vision, 2019, 19, 222a.	0.1	0
96	Perceived depth modulates the precision of visual processing. Journal of Vision, 2020, 20, 1179.	0.1	0
97	Validity Testing the NeuLog Galvanic Skin Response Device. , 2020, , .		0
98	75â€¢2: The Effect of Chromatic Aberration Correction on Visually Lossless Compression. Digest of Technical Papers SID International Symposium, 2022, 53, 1013-1016.	0.1	0
99	Shape judgments in natural scenes: Convexity biases versus stereopsis. Journal of Vision, 2022, 22, 6.	0.1	0