J Farley Norman

List of Publications by Year
in descending order

117 papers	4,206 citations	109137 35 h-index	123241 61 g-index
118 all docs	118 docs citations	118 times ranked	2007 citing authors

#	Article	IF	Citations
1	The visual perception of 3-D shape from multiple cues: Are observers capable of perceiving metric structure?. Perception & Psychophysics, 2003, 65, 31-47.	2.3	169
2	The visual and haptic perception of natural object shape. Perception & Psychophysics, 2004, 66, 342-351.	2.3	167
3	Anterior Regions of Monkey Parietal Cortex Process Visual 3D Shape. Neuron, 2007, 55, 493-505.	3.8	163
4	Parietal regions processing visual 3D shape extracted from disparity. NeuroImage, 2009, 46, 1114-1126.	2.1	163
5	The visual perception of three-dimensional length.. Journal of Experimental Psychology: Human Perception and Performance, 1996, 22, 173-186.	0.7	162
6	Systematic distortion of perceived three-dimensional structure from motion and binocular stereopsis.. Journal of Experimental Psychology: Human Perception and Performance, 1995, 21, 663-678.	0.7	151
7	The visual perception of smoothly curved surfaces from minimal apparent motion sequences. Perception & Psychophysics, 1991, 50, 509-523.	2.3	129
8	The visual perception of three-dimensional length. Journal of Experimental Psychology: Human Perception and Performance, 1996, 22, 173-86.	0.7	126
9	The perception of surface orientation from multiple sources of optical information. Perception & Psychophysics, 1995, 57, 629-636.	2.3	117
10	Attention to 3-D Shape, 3-D Motion, and Texture in 3-D Structure from Motion Displays. Journal of Cognitive Neuroscience, 2004, 16, 665-682.	1.1	110
11	Perception of Three-Dimensional Shape From Specular Highlights, Deformations of Shading, and Other Types of Visual Information. Psychological Science, 2004, 15, 565-570.	1.8	109
12	The perception of globally coherent motion. Vision Research, 1992, 32, 1015-1031.	0.7	105
13	Aging and the Perception of Speed. Perception, 2003, 32, 85-96.	0.5	98
14	Systematic distortion of perceived three-dimensional structure from motion and binocular stereopsis. Journal of Experimental Psychology: Human Perception and Performance, 1995, 21, 663-78.	0.7	97
15	The perceptual analysis of structure from motion for rotating objects undergoing affine stretching transformations. Perception & Psychophysics, 1993, 53, 279-291.	2.3	94
16	Lightness Constancy in the Presence of Specular Highlights. Psychological Science, 2004, 15, 33-39.	1.8	94
17	Distortions of Three-Dimensional Space in the Perceptual Analysis of Motion and Stereo. Perception, 1995, 24, 75-86.	0.5	86
18	Spatiotemporal integration in the detection of coherent motion. Vision Research, 1984, 24, 47-53.	0.7	84

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19	Aging and the Perception of Biological Motion.. Psychology and Aging, 2004, 19, 219-225.	1.4	79
20	Blindness enhances tactile acuity and haptic 3-D shape discrimination. Attention, Perception, and Psychophysics, 2011, 73, 2323-2331.	0.7	76
21	The detection of surface curvatures defined by optical motion. Perception & Psychophysics, 1992, 51, 386-396.	2.3	73
22	Effects of Texture, Illumination, and Surface Reflectance on Stereoscopic Shape Perception. Perception, 1997, 26, 807-822.	0.5	67
23	Aging and the Visual, Haptic, and Cross-Modal Perception of Natural Object Shape. Perception, 2006, 35, 1383-1395.	0.5	63
24	The Effects of Age upon the Perception of Depth and 3-D Shape from Differential Motion and Binocular Disparity. Perception, 2000, 29, 1335-1359.	0.5	62
25	Aging and the Perception of Depth and 3-D Shape From Motion Parallax.. Psychology and Aging, 2004, 19, 506-514.	1.4	53
26	On the Relative Salience of Euclidean, Affine, and Topological Structure for 3-D Form Discrimination. Perception, 1998, 27, 273-282.	0.5	52
27	Information Concentration along the Boundary Contours of Naturally Shaped Solid Objects. Perception, 2001, 30, 1285-1294.	0.5	47
28	The Perception of Distances and Spatial Relationships in Natural Outdoor Environments. Perception, 2005, 34, 1315-1324.	0.5	47
29	The Perception and Recognition of Natural Object Shape from Deforming and Static Shadows. Perception, 2000, 29, 135-148.	0.5	45
30	The Discriminability of Local Surface Structure. Perception, 1996, 25, 381-398.	0.5	44
31	The Temporal Course of Suppression during Binocular Rivalry. Perception, 2000, 29, 831-841.	0.5	39
32	Stereoscopic Discrimination of Interval and Ordinal Depth Relations on Smooth Surfaces and in Empty Space. Perception, 1998, 27, 257-272.	0.5	38
33	Visual discrimination of local surface structure: Slant, tilt, and curvedness. Vision Research, 2006, 46, 1057-1069.	0.7	37
34	Stereopsis and aging. Vision Research, 2008, 48, 2456-2465.	0.7	37
35	Aging and the perception of slant from optical texture, motion parallax, and binocular disparity. Perception & Psychophysics, 2009, 71, 116-130.	2.3	36
36	Aging and the haptic perception of 3D surface shape. Attention, Perception, and Psychophysics, 2011, 73, 908-918.	0.7	36

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37	The effects of spatiotemporal integration on maximum displacement thresholds for the detection of coherent motion. Vision Research, 1995, 35, 2287-2302.	0.7	35
38	Aging preserves the ability to perceive 3D object shape from static but not deforming boundary contours. Acta Psychologica, 2008, 129, 198-207.	0.7	34
39	Poor shape perception is the reason reaches-to-grasp are visually guided online. Perception & Psychophysics, 2008, 70, 1032-1046.	2.3	31
40	Learning to Perceive Differences in Solid Shape through Vision and Touch. Perception, 2008, 37, 185-196.	0.5	31
41	The Detectability of Geometric Structure in Rapidly Changing Optical Patterns. Perception, 1991, 20, 513-528.	0.5	30
42	Perception of rigid motion in depth from the optical deformations of shadows and occlusion boundaries.. Journal of Experimental Psychology: Human Perception and Performance, 1994, 20, 343-356.	0.7	29
43	The perception of 3-D structure from contradictory optical patterns. Perception & Psychophysics, 1995, 57, 826-834.	2.3	29
44	The perception of length on curved and flat surfaces. Perception & Psychophysics, 2000, 62, 1133-1145.	2.3	29
45	The Perception of Scale-Dependent and Scale-Independent Surface Structure from Binocular Disparity, Texture, and Shading. Perception, 1998, 27, 147-166.	0.5	28
46	Aging and the visual perception of exocentric distance. Vision Research, 2015, 109, 52-58.	0.7	28
47	Aging and the perception of 3-D shape from dynamic patterns of binocular disparity. Perception & Psychophysics, 2006, 68, 94-101.	2.3	27
48	Surface range and attitude probing in stereoscopically presented dynamic scenes.. Journal of Experimental Psychology: Human Perception and Performance, 1996, 22, 869-878.	0.7	26
49	The Visual Discrimination of Relative Surface Orientation. Perception, 1995, 24, 855-866.	0.5	25
50	The visual discrimination of negative facial expressions by younger and older adults. Vision Research, 2013, 81, 12-17.	0.7	25
51	The Discriminability of Smooth Stereoscopic Surfaces. Perception, 1991, 20, 789-807.	0.5	24
52	The perception and discrimination of local 3-D surface structure from deforming and disparate boundary contours. Perception & Psychophysics, 2002, 64, 1145-1159.	2.3	24
53	The visual perception of rigid motion from constant flow fields. Perception & Psychophysics, 1996, 58, 666-679.	2.3	23
54	Solid shape discrimination from vision and haptics: natural objects (Capsicum annuum) and Gibsonâ€™s â€œfeeliesâ€• Experimental Brain Research, 2012, 222, 321-332.	0.7	22

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55	Perception of rigid motion in depth from the optical deformations of shadows and occlusion boundaries. Journal of Experimental Psychology: Human Perception and Performance, 1994, 20, 343-56.	0.7	22
56	Spatial Interactions in Perceived Speed. Perception, 1996, 25, 815-830.	0.5	21
57	Aging and the depth of binocular rivalry suppression.. Psychology and Aging, 2007, 22, 625-631.	1.4	21
58	The visual perception of metal. Journal of Vision, 2018, 18, 9.	0.1	20
59	Surface range and attitude probing in stereoscopically presented dynamic scenes. Journal of Experimental Psychology: Human Perception and Performance, 1996, 22, 869-78.	0.7	20
60	Does monocular visual space contain planes?. Acta Psychologica, 2010, 134, 40-47.	0.7	19
61	Fechner, information, and shape perception. Attention, Perception, and Psychophysics, 2011, 73, 2353-2378.	0.7	19
62	Fechner's Aesthetics Revisited. Seeing and Perceiving, 2010, 23, 263-271.	0.4	18
63	The effect of age upon the perception of 3-D shape from motion. Vision Research, 2013, 93, 54-61.	0.7	18
64	The visual perception of exocentric distance in outdoor settings. Vision Research, 2015, 117, 100-104.	0.7	18
65	The perception of 3-D shape from shadows cast onto curved surfaces. Acta Psychologica, 2009, 131, 1-11.	0.7	17
66	The visual perception of distance ratios in physical space. Vision Research, 2016, 123, 1-7.	0.7	15
67	Aging and the perception of local surface orientation from optical patterns of shading and specular highlights. Perception & Psychophysics, 2007, 69, 23-31.	2.3	14
68	Visual memories for perceived length are well preserved in older adults. Vision Research, 2011, 51, 2057-2062.	0.7	13
69	Aging and the discrimination of 3-D shape from motion and binocular disparity. Attention, Perception, and Psychophysics, 2012, 74, 1512-1521.	0.7	13
70	Aging and Curvature Discrimination from Static and Dynamic Touch. PLoS ONE, 2013, 8, e68577.	1.1	13
71	Dynamic cutaneous information is sufficient for precise curvature discrimination. Scientific Reports, 2016, 6, 25473.	1.6	13
72	Stereoscopic shape discrimination is well preserved across changes in object size. Acta Psychologica, 2009, 131, 129-135.	0.7	12

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73	Effective 3-D shape discrimination survives retinal blur. Attention, Perception, and Psychophysics, 2010, 72, 1569-1575.	0.7	12
74	Aging and Weight-Ratio Perception. PLoS ONE, 2012, 7, e47701.	1.1	12
75	Short-Term Visual Deprivation, Tactile Acuity, and Haptic Solid Shape Discrimination. PLoS ONE, 2014, 9, e112828.	1.1	12
76	The visual perception of length along intrinsically curved surfaces. Perception & Psychophysics, 2004, 66, 77-88.	2.3	11
77	The Role of Explicit and Implicit Standards in Visual Speed Discrimination. Perception, 2008, 37, 889-901.	0.5	11
78	Aging and the Discrimination of Object Weight. Perception, 2009, 38, 1347-1354.	0.5	11
79	Modulatory effects of binocular disparity and aging upon the perception of speed. Vision Research, 2010, 50, 65-71.	0.7	11
80	Aging and solid shape recognition: Vision and haptics. Vision Research, 2015, 115, 113-118.	0.7	11
81	Aging and the Haptic Perception of Material Properties. Perception, 2016, 45, 1387-1398.	0.5	11
82	The Visual Discrimination of Bending. Perception, 2007, 36, 980-989.	0.5	10
83	The visual perception of distance ratios outdoors. Attention, Perception, and Psychophysics, 2017, 79, 1195-1203.	0.7	10
84	The Visual Aesthetics of Snowflakes. Perception, 2016, 45, 1304-1319.	0.5	9
85	Aging and visual 3-D shape recognition from motion. Attention, Perception, and Psychophysics, 2017, 79, 2467-2477.	0.7	9
86	Perceiving Object Shape from Specular Highlight Deformation, Boundary Contour Deformation, and Active Haptic Manipulation. PLoS ONE, 2016, 11, e0149058.	1.1	9
87	Aging and visual length discrimination: Sequential dependencies, biases, and the effects of multiple implicit standards. Vision Research, 2014, 98, 89-98.	0.7	8
88	Haptic shape discrimination and interhemispheric communication. Scientific Reports, 2018, 8, 377.	1.6	8
89	Aging and the Visual Perception of Motion Direction: Solving the Aperture Problem. Perception, 2018, 47, 735-750.	0.5	8
90	Sex and age modulate the visual perception of distance. Attention, Perception, and Psychophysics, 2018, 80, 2022-2032.	0.7	8

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91	Reflections on glass. Journal of Vision, 2019, 19, 26.	0.1	7
92	The Visual Perception of Large-Scale Distances Outdoors. Perception, 2020, 49, 968-977.	0.5	7
93	Aging and Haptic-Visual Solid Shape Matching. Perception, 2017, 46, 976-986.	0.5	6
94	Visual distance perception indoors, outdoors, and in the dark. Vision Research, 2022, 194, 107992.	0.7	6
95	Integration of binocular stereopsis and structure from motion in the discrimination of noisy surfaces.. Journal of Experimental Psychology: Human Perception and Performance, 1997, 23, 1035-1049.	0.7	5
96	Aging and the Perception of Motion-Defined Form. Perception, 2020, 49, 52-60.	0.5	5
97	Effects of illumination on the categorization of shiny materials. Journal of Vision, 2020, 20, 2.	0.1	5
98	Aging and the perception of global structure. PLoS ONE, 2020, 15, e0233786.	1.1	5
99	Contours produced by internal specular interreflections provide visual information for the perception of glass materials. Journal of Vision, 2020, 20, 12.	0.1	4
100	<title>Perception of lightness of glossy surfaces</title>. , 2001, 4299, 302.		3
101	Peripheral threat detection in facial expressions by younger and older adults. Vision Research, 2019, 165, 22-30.	0.7	3
102	The Recognition of Solid Object Shape: The Importance of Inhomogeneity. I-Perception, 2019, 10, 204166951987055.	0.8	2
103	The visual perception of emotion from masks. PLoS ONE, 2020, 15, e0227951.	1.1	2
104	Temporal integration in the perception and discrimination of solid shape. Attention, Perception, and Psychophysics, 2021, 83, 577-585.	0.7	2
105	Haptic Distance Ratio Estimation: The Geometry of Space Within the Hands. Perception, 2018, 47, 1166-1178.	0.5	1
106	Aging and haptic shape discrimination: the effects of variations in size. Scientific Reports, 2020, 10, 14690.	1.6	1
107	Aging and the perception of texture-defined form. Vision Research, 2021, 187, 1-5.	0.7	0
108	Visual and Haptic Shape Recognition Memory. Journal of Vision, 2015, 15, 865.	0.1	0

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109	Visual and Haptic Perception. , 2016, , 1-12.		0
110	Visual and Haptic Perception. , 2017, , 2442-2453.		0
111	The outdoor perception of distance ratios. Journal of Vision, 2017, 17, 1044.	0.1	0
112	Aging and the estimation of visual motion direction. Journal of Vision, 2018, 18, 350.	0.1	0
113	Aging and the perception of global structure. Journal of Vision, 2019, 19, 118.	0.1	0
114	The Peripheral View Melts Facial Emotion into a Blur: Investigating the Role of Spatial Frequency in Younger and Older Adultsâ€™ Peripheral Emotion Detection. Journal of Vision, 2019, 19, 181.	0.1	0
115	Haptic-visual crossmodal shape matching. Journal of Vision, 2019, 19, 198b.	0.1	0
116	The importance of contours for visual object recognition and discrimination. Psicologia Em Pesquisa, 2020, 14, 1-15.	0.0	0
117	Aging and the perception of tactile speed. Scientific Reports, 2022, 12, 5412.	1.6	0