

Jack M Loomis

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

113
papers

8,321
citations

49
h-index

90
g-index

118
ext. papers

9,174
ext. citations

3.4
avg, IF

5.84
L-index

#	Paper	IF	Citations
113	Nonvisual navigation by blind and sighted: Assessment of path integration ability.. <i>Journal of Experimental Psychology: General</i> , 1993 , 122, 73-91	4.7	484
112	Visual space perception and visually directed action.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1992 , 18, 906-921	2.6	472
111	Interpersonal distance in immersive virtual environments. <i>Personality and Social Psychology Bulletin</i> , 2003 , 29, 819-33	4.1	463
110	Immersive virtual environment technology as a basic research tool in psychology. <i>Behavior Research Methods</i> , 1999 , 31, 557-64		375
109	Spatial Updating of Self-Position and Orientation During Real, Imagined, and Virtual Locomotion. <i>Psychological Science</i> , 1998 , 9, 293-298	7.9	338
108	Equilibrium Theory Revisited: Mutual Gaze and Personal Space in Virtual Environments. <i>Presence: Teleoperators and Virtual Environments</i> , 2001 , 10, 583-598	2.9	279
107	Locomotion Mode Affects the Updating of Objects Encountered During Travel: The Contribution of Vestibular and Proprioceptive Inputs to Path Integration. <i>Presence: Teleoperators and Virtual Environments</i> , 1998 , 7, 168-178	2.9	270
106	Does the Quality of the Computer Graphics Matter when Judging Distances in Visually Immersive Environments?. <i>Presence: Teleoperators and Virtual Environments</i> , 2004 , 13, 560-571	2.9	245
105	Navigation System for the Blind: Auditory Display Modes and Guidance. <i>Presence: Teleoperators and Virtual Environments</i> , 1998 , 7, 193-203	2.9	196
104	Comparison of two indicators of perceived egocentric distance under full-cue and reduced-cue conditions.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1997 , 23, 72-85	2.6	193
103	Limited Field of View of Head-Mounted Displays Is Not the Cause of Distance Underestimation in Virtual Environments. <i>Presence: Teleoperators and Virtual Environments</i> , 2004 , 13, 572-577	2.9	177
102	Visual Perception of Location and Distance. <i>Current Directions in Psychological Science</i> , 1996 , 5, 72-77	6.5	174
101	Distal Attribution and Presence. <i>Presence: Teleoperators and Virtual Environments</i> , 1992 , 1, 113-119	2.9	174
100	Similarity of tactual and visual picture recognition with limited field of view. <i>Perception</i> , 1991 , 20, 167-77	1.2	156
99	Haptic identification of objects and their depictions. <i>Perception & Psychophysics</i> , 1993 , 54, 170-8		152
98	Acquisition of route and survey knowledge in the absence of vision. <i>Journal of Motor Behavior</i> , 1990 , 22, 19-43	1.4	148
97	Is the anisotropy of perceived 3-D shape invariant across scale?. <i>Perception & Psychophysics</i> , 1999 , 61, 397-402		117

96	Spatial updating: how the brain keeps track of changing object locations during observer motion. <i>Nature Neuroscience</i> , 2008 , 11, 1223-30	25.5	116
95	Visually perceived location is an invariant in the control of action. <i>Perception & Psychophysics</i> , 1997 , 59, 601-12		108
94	Assessing auditory distance perception using perceptually directed action. <i>Perception & Psychophysics</i> , 1998 , 60, 966-80		101
93	Analysis of tactile and visual confusion matrices. <i>Perception & Psychophysics</i> , 1982 , 31, 41-52		95
92	Visual perception of egocentric distance as assessed by triangulation.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1997 , 23, 86-100	2.6	93
91	A geographical information system for a GPS based personal guidance system. <i>International Journal of Geographical Information Science</i> , 1998 , 12, 727-749	4.1	91
90	Body-based senses enhance knowledge of directions in large-scale environments. <i>Psychonomic Bulletin and Review</i> , 2004 , 11, 157-63	4.1	90
89	Spatial updating of locations specified by 3-D sound and spatial language.. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2002 , 28, 335-345	2.2	90
88	Modality-independent coding of spatial layout in the human brain. <i>Current Biology</i> , 2011 , 21, 984-9	6.3	85
87	On the tangibility of letters and braille. <i>Perception & Psychophysics</i> , 1981 , 29, 37-46		85
86	Navigating without vision: basic and applied research. <i>Optometry and Vision Science</i> , 2001 , 78, 282-9	2.1	83
85	Tactile pattern perception. <i>Perception</i> , 1981 , 10, 5-27	1.2	83
84	Use of cognitive versus perceptual heading during imagined locomotion depends on the response mode. <i>Psychological Science</i> , 2004 , 15, 403-8	7.9	82
83	Personal Guidance System for People with Visual Impairment: A Comparison of Spatial Displays for Route Guidance. <i>Journal of Visual Impairment and Blindness</i> , 2005 , 99, 219-232	0.7	82
82	Functional equivalence of spatial representations derived from vision and language: evidence from allocentric judgments. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2004 , 30, 804-14	2.2	81
81	The Encoding-Error Model of Pathway Completion without Vision. <i>Geographical Analysis</i> , 2010 , 25, 295-314	1.4	78
80	Tactile letter recognition under different modes of stimulus presentation. <i>Perception & Psychophysics</i> , 1974 , 16, 401-408		78
79	Lateral masking in foveal and eccentric vision. <i>Vision Research</i> , 1978 , 18, 335-8	2.1	77

78	Sensorimotor alignment effects in the learning environment and in novel environments. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2007 , 33, 1092-107	2.2	73
77	Psychophysics of perceiving eye-gaze and head direction with peripheral vision: implications for the dynamics of eye-gaze behavior. <i>Perception</i> , 2008 , 37, 1443-57	1.2	70
76	Active localization of virtual sounds. <i>Journal of the Acoustical Society of America</i> , 1990 , 88, 1757-64	2.2	69
75	Stated Preferences for Components of a Personal Guidance System for Nonvisual Navigation. <i>Journal of Visual Impairment and Blindness</i> , 2004 , 98, 135-147	0.7	68
74	Judgments of exocentric direction in large-scale space. <i>Perception</i> , 2004 , 33, 443-54	1.2	67
73	Functional equivalence of spatial images from touch and vision: evidence from spatial updating in blind and sighted individuals. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2011 , 37, 621-34	2.2	66
72	Agreement between indirect measures of perceived distance. <i>Perception & Psychophysics</i> , 1985 , 37, 17-27		65
71	Cognitive Mapping and Wayfinding by Adults Without Vision 1996 , 215-246		63
70	Designing a personal guidance system to aid navigation without sight: progress on the GIS component. <i>International Journal of Geographical Information Science</i> , 1991 , 5, 373-395	4.1	62
69	Cognitive load of navigating without vision when guided by virtual sound versus spatial language. <i>Journal of Experimental Psychology: Applied</i> , 2006 , 12, 223-32	1.8	59
68	A model of character recognition and legibility. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1990 , 16, 106-20	2.6	56
67	Encoding, learning, and spatial updating of multiple object locations specified by 3-D sound, spatial language, and vision. <i>Experimental Brain Research</i> , 2003 , 149, 48-61	2.3	55
66	Evaluation of spatial displays for navigation without sight. <i>ACM Transactions on Applied Perception</i> , 2006 , 3, 110-124	1.4	52
65	Representing 3D Space in Working Memory: Spatial Images from Vision, Hearing, Touch, and Language 2013 , 131-155		51
64	Perception of 3-D location based on vision, touch, and extended touch. <i>Experimental Brain Research</i> , 2013 , 224, 141-53	2.3	47
63	Dissociation between location and shape in visual space.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2002 , 28, 1202-1212	2.6	47
62	Visually Controlled Locomotion: Its Dependence on Optic Flow, Three-Dimensional Space Perception, and Cognition. <i>Ecological Psychology</i> , 1998 , 10, 271-285	1.5	47
61	Visual control of steering without course information. <i>Perception</i> , 1996 , 25, 481-94	1.2	47

60	Touch-screen technology for the dynamic display of -2D spatial information without vision: promise and progress. <i>Multisensory Research</i> , 2014 , 27, 359-78	1.9	46
59	Active control of locomotion facilitates nonvisual navigation.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2001 , 27, 141-153	2.6	46
58	Sensitivity to shifts of a point stimulus: an instance of tactile hyperacuity. <i>Perception & Psychophysics</i> , 1978 , 24, 487-92		46
57	Nonvisual Route following with Guidance from a Simple Haptic or Auditory Display. <i>Journal of Visual Impairment and Blindness</i> , 2007 , 101, 203-211	0.7	43
56	Does energy expenditure affect the perception of egocentric distance? A failure to replicate experiment 1 of Proffitt, Stefanucci, Banton, and Epstein (2003). <i>Spanish Journal of Psychology</i> , 2006 , 9, 332-9; discussion 340-8	1	41
55	Spatial updating of locations specified by 3-d sound and spatial language. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2002 , 28, 335-45	2.2	40
54	Using virtual environments to assess directional knowledge. <i>Journal of Environmental Psychology</i> , 2004 , 24, 105-116	6.7	39
53	Effects of chromatic adaptation on color discrimination and color appearance. <i>Vision Research</i> , 1979 , 19, 891-901	2.1	39
52	Inertial cues do not enhance knowledge of environmental layout. <i>Psychonomic Bulletin and Review</i> , 2003 , 10, 987-93	4.1	38
51	Human navigation ability: Tests of the encoding-error model of path integration. <i>Spatial Cognition and Computation</i> , 1999 , 1, 31-65	1.3	37
50	The photopigment bleaching hypothesis of complementary after-images: a psychophysical test. <i>Vision Research</i> , 1972 , 12, 1587-94	2.1	35
49	A comparison of tactile and blurred visual form perception. <i>Perception & Psychophysics</i> , 1975 , 18, 362-368		34
48	Measurement of instantaneous perceived self-motion using continuous pointing. <i>Experimental Brain Research</i> , 2009 , 195, 429-44	2.3	33
47	Perceptual linkage of multiple objects rotating in depth. <i>Perception</i> , 1989 , 18, 427-44	1.2	31
46	Tactile recognition of raised characters: A parametric study. <i>Bulletin of the Psychonomic Society</i> , 1985 , 23, 18-20		31
45	Dissociation between location and shape in visual space. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2002 , 28, 1202-12	2.6	29
44	Evidence for Amodal Representations after Bimodal Learning: Integration of Haptic-Visual Layouts into a Common Spatial Image. <i>Spatial Cognition and Computation</i> , 2009 , 9, 287-304	1.3	28
43	Imagined self-motion differs from perceived self-motion: evidence from a novel continuous pointing method. <i>PLoS ONE</i> , 2009 , 4, e7793	3.7	27

42	Visual control of posture in real and virtual environments. <i>Perception & Psychophysics</i> , 2008 , 70, 158-65		27
41	Functional Equivalence of Spatial Images Produced by Perception and Spatial Language 2007 , 29-48		25
40	A lateral masking effect in tactile and blurred visual letter recognition. <i>Perception & Psychophysics</i> , 1976 , 20, 221-226		24
39	Learning directions of objects specified by vision, spatial audition, or auditory spatial language. <i>Learning and Memory</i> , 2002 , 9, 364-7	2.8	23
38	Interaction of display mode and character size in vibrotactile letter recognition. <i>Bulletin of the Psychonomic Society</i> , 1980 , 16, 385-387		23
37	Presence in Virtual Reality and Everyday Life: Immersion within a World of Representation. <i>Presence: Teleoperators and Virtual Environments</i> , 2016 , 25, 169-174	2.9	22
36	A study of visually directed throwing in the presence of multiple distance cues. <i>Perception & Psychophysics</i> , 1987 , 41, 308-12		22
35	Changing lanes: inertial cues and explicit path information facilitate steering performance when visual feedback is removed. <i>Experimental Brain Research</i> , 2007 , 178, 141-50	2.3	20
34	Updating of locations during whole-body rotations in patients with hemispatial neglect. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2001 , 1, 330-43	3.5	20
33	Absolute motion parallax weakly determines visual scale in real and virtual environments 1995 ,		20
32	Complementary afterimages and the unequal adapting effects of steady and flickering light. <i>Journal of the Optical Society of America</i> , 1978 , 68, 411-6		20
31	Reproduction of object shape is more accurate without the continued availability of visual information. <i>Perception</i> , 1998 , 27, 69-86	1.2	19
30	Spatial working memory for locations specified by vision and audition: testing the amodality hypothesis. <i>Attention, Perception, and Psychophysics</i> , 2012 , 74, 1260-7	2	18
29	Optic Flow and Visual Analysis of the Base-to-Final Turn. <i>The International Journal of Aviation Psychology</i> , 1997 , 7, 201-223		17
28	Perception of heading without retinal optic flow. <i>Perception & Psychophysics</i> , 2006 , 68, 872-8		16
27	Presence and distal attribution: phenomenology, determinants, and assessment 1992 ,		16
26	Transient tritanopia: failure of time-intensity reciprocity in adaptation to longwave light. <i>Vision Research</i> , 1980 , 20, 837-46	2.1	16
25	Visual control of action without retinal optic flow. <i>Psychological Science</i> , 2006 , 17, 214-21	7.9	15

24	Perception of Shared Visual Space: Establishing Common Ground in Real and Virtual Environments. <i>Presence: Teleoperators and Virtual Environments</i> , 2004 , 13, 442-450	2.9	15
23	The importance of perceived relative motion in the control of posture. <i>Experimental Brain Research</i> , 2005 , 161, 285-92	2.3	15
22	Model-Based Control of Perception/Action 2004 , 421-441		15
21	Keeping track of the distance from home by leaky integration along veering paths. <i>Experimental Brain Research</i> , 2011 , 212, 81-9	2.3	14
20	Auditory Distance Perception in Real, Virtual, and Mixed Environments 1999 , 201-214		14
19	Counterexample to the hypothesis of functional similarity between tactile and visual pattern perception. <i>Perception & Psychophysics</i> , 1993 , 54, 179-84		12
18	Encoding Spatial Representations Through Nonvisually Guided Locomotion: Tests of Human Path Integration. <i>Psychology of Learning and Motivation - Advances in Research and Theory</i> , 1997 , 41-84	1.4	11
17	Personal Guidance System for People with Visual Impairment: A Comparison of Spatial Displays for Route Guidance. <i>Journal of Visual Impairment and Blindness</i> , 2005 , 99, 219-232	0.7	11
16	The influence of facing direction on the haptic identification of two-dimensional raised pictures. <i>Perception</i> , 2009 , 38, 606-12	1.2	9
15	Combining Locations from Working Memory and Long-Term Memory into a Common Spatial Image. <i>Spatial Cognition and Computation</i> , 2013 , 13, 103-128	1.3	8
14	Length distortion of temporally extended visual displays: similarity to haptic spatial perception. <i>Perception & Psychophysics</i> , 1989 , 46, 387-94		8
13	SPATIAL UPDATING OF HAPTIC ARRAYS ACROSS THE LIFE SPAN. <i>Experimental Aging Research</i> , 2017 , 43, 274-290	1.7	7
12	Proposed applications of research on action-specific effects are premature. <i>Journal of Applied Research in Memory and Cognition</i> , 2016 , 5, 77-79	2.3	7
11	A Minimal Representation for Dead-Reckoning Navigation: Updating the Homing Vector. <i>Geographical Analysis</i> , 2010 , 22, 324-335	2.9	7
10	An n-back task using vibrotactile stimulation with comparison to an auditory analogue. <i>Behavior Research Methods</i> , 2008 , 40, 367-72	6.1	6
9	High-speed 2-D and 3-D animation on the IBM PC/XT/AT. <i>Behavior Research Methods</i> , 1987 , 19, 10-18		5
8	Simultaneous measurement of steering performance and perceived heading on a curving path. <i>ACM Transactions on Applied Perception</i> , 2006 , 3, 83-94	1.4	4
7	Reply to Proffitt, Stefanucci, Banton, and Epstein. <i>Spanish Journal of Psychology</i> , 2006 , 9, 343-345	1	4

6	Spatial updating of multiple targets: Comparison of younger and older adults. <i>Memory and Cognition</i> , 2017 , 45, 1240-1251	2.2	2
5	Visual space perception: phenomenology and function. <i>Arquivos Brasileiros De Oftalmologia</i> , 2003 , 66, 26-29	1.1	2
4	Visual control of steering in curve driving. <i>Journal of Vision</i> , 2019 , 19, 1	0.4	1
3	Scan-display of high-resolution images using the Apple II. <i>Behavior Research Methods</i> , 1986 , 18, 36-40		1
2	Improving Human Health and Physical Capabilities 2003 , 179-273		
1	A new direction for applied geography. <i>Applied Geographic Studies</i> , 1997 , 1, 151-168		