Mark E Mccourt

List of Publications by Year
in descending order

74 papers	3,754 citations	172457 29 h-index	128289 60 g-index
75 all docs	75 docs citations	75 times ranked	2230 citing authors

#	Article	IF	Citations
1	Content-Adaptive Memory for Viewer-Aware Energy-Quality Scalable Mobile Video Systems. IEEE Access, 2019, 7, 47479-47493.	4.2	8
2	Viewer-Aware Intelligent Efficient Mobile Video Embedded Memory. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2018, 26, 684-696.	3.1	9
3	Dissecting the influence of the collinear and flanking bars in Whiteâ€™s effect. Vision Research, 2016, 127, 11-17.	1.4	5
4	Using Eye Tracking to Investigate Reading Patterns and Learning Styles of Software Requirement Inspectors to Enhance Inspection Team Outcome. , 2016, , .		6
5	Auditory capture of visual motion. NeuroReport, 2016, 27, 1095-1100.	1.2	2
6	The Oriented Difference of Gaussians (ODOG) model of brightness perception: Overview and executable Mathematica notebooks. Behavior Research Methods, 2016, 48, 306-312.	4.0	18
7	Luminance-adaptive smart video storage system. , 2016, , .		4
8	Visuospatial Attention and Autism Spectrum Quotient: A Cued Line Bisection Study. Journal of Vision, 2016, 16, 480.	0.3	0
9	Dissociation of perception and action in audiovisual multisensory integration. European Journal of Neuroscience, 2015, 42, 2915-2922.	2.6	23
10	Comments and Responses to â€œTheoretical Approaches to Lightness and Perceptionâ€• Perception, 2015, 44, 359-367.	1.2	5
11	What visual illusions tell us about underlying neural mechanisms and observer strategies for tackling the inverse problem of achromatic perception. Frontiers in Human Neuroscience, 2015, 9, 205.	2.0	8
12	Brightness induction and suprathreshold vision: Effects of age and visual field. Vision Research, 2015, 106, 36-46.	1.4	4
13	Dissecting the influence of the collinear and flanking bars in White's effect. Journal of Vision, 2015, 15, 626.	0.3	1
14	Modeling lateral geniculate nucleus response with contrast gain control Part 2: analysis. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 348.	1.5	3
15	Brightness induction magnitude declines with increasing distance from the inducing field edge. Vision Research, 2013, 78, 39-45.	1.4	9
16	Atypical category processing and hemispheric asymmetries in high-functioning children with autism: Revealed through high-density EEG mapping. Cortex, 2013, 49, 1259-1267.	2.4	30
17	The Roles of Physical and Physiological Simultaneity in Audiovisual Multisensory Facilitation. I-Perception, 2013, 4, 213-228.	1.4	29
18	Modeling lateral geniculate nucleus response with contrast gain control Part 1: formulation. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 2401.	1.5	4

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19	Analysis of multidimensional difference-of-Gaussians filters in terms of directly observable parameters. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 1002.	1.5	2
20	Lighting direction and visual field modulate perceived intensity of illumination. Frontiers in Psychology, 2013, 4, 983.	2.1	6
21	The question of simultaneity in multisensory integration. Proceedings of SPIE, 2012, , .	0.8	3
22	When is spatial filtering enough? Investigation of brightness and lightness perception in stimuli containing a visible illumination component. Vision Research, 2012, 60, 40-50.	1.4	34
23	Hemifield asymmetry in the potency of exogenous auditory and visual cues. Vision Research, 2011, 51, 1207-1215.	1.4	14
24	Spatiotemporal analysis of brightness induction. Vision Research, 2011, 51, 1872-1879.	1.4	8
25	Biases of spatial attention in vision and audition. Brain and Cognition, 2010, 73, 229-235.	1.8	34
26	The effect of acute ethanol challenge on global visuospatial attention: Exaggeration of leftward bias in line bisection. Laterality, 2010, 15, 327-342.	1.0	8
27	Spatial filtering versus anchoring accounts of brightness/lightness perception in staircase and simultaneous brightness/lightness contrast stimuli. Journal of Vision, 2009, 9, 22-22.	0.3	15
28	Simple cell response properties imply receptive field structure: balanced Gabor and/or bandlimited field functions. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2009, 26, 2067.	1.5	4
29	Parvocellular and Magnocellular Contributions to the Initial Generators of the Visual Evoked Potential: High-Density Electrical Mapping of the â€œC1â€•Component. Brain Topography, 2008, 21, 11-21.	1.8	87
30	Hemispheric asymmetry and callosal integration of visuospatial attention in schizophrenia: A tachistoscopic line bisection study. Schizophrenia Research, 2008, 102, 189-196.	2.0	33
31	Coming to terms with lightness and brightness: Effects of stimulus configuration and instructions on brightness and lightness judgments. Journal of Vision, 2008, 8, 3-3.	0.3	33
32	Nearly instantaneous brightness induction. Journal of Vision, 2008, 8, 15.	0.3	30
33	Semantic Processing Precedes Affect Retrieval: The Neurological Case for Cognitive Primacy in Visual Processing. Review of General Psychology, 2006, 10, 41-55.	3.2	66
34	A Multiscale Filtering Explanation of Gradient Induction and Remote Brightness Induction Effects: A Reply to Logvinenko (2003). Perception, 2005, 34, 793-802.	1.2	15
35	Comparing the Spatial-Frequency Response of First-Order and Second-Order Lateral Visual Interactions: Grating Induction and Contrast â€“ Contrast. Perception, 2005, 34, 501-510.	1.2	6
36	Unilateral Visual Cueing and Asymmetric Line Geometry Share a Common Attentional Origin in the Modulation of Pseudoneglect. Cortex, 2005, 41, 499-511.	2.4	48

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37	Oriented multiscale spatial filtering and contrast normalization: a parsimonious model of brightness induction in a continuum of stimuli including White, Howe and simultaneous brightness contrast. Vision Research, 2005, 45, 607-615.	1.4	55
38	A unified theory of brightness contrast and assimilation incorporating oriented multiscale spatial filtering and contrast normalization. Vision Research, 2004, 44, 2483-2503.	1.4	129
39	Brightening prospects for early cortical coding of perceived luminance: a high-density electrical mapping study. NeuroReport, 2004, 15, 49-56.	1.2	19
40	Right hemisphere control of visuospatial attention: line-bisection judgments evaluated with high-density electrical mapping and source analysisâˆ†. NeuroImage, 2003, 19, 710-726.	4.2	181
41	Neuropsychology: From Theory to Practice, by D. Andrewes. 2001. East Sussex, UK: Psychology Press, Ltd.608 pp., $49.95 (HB).. Journal of the International Neuropsychological Society, 2003, 9, 965-965.	1.8	1
42	A Multiscale Spatial Filtering Account of Brightness Phenomena. , 2003, , 47-72.		24
43	The Influence of Unimanual Response on Pseudoneglect Magnitude. Brain and Cognition, 2001, 45, 52-63.	1.8	61
44	A multiscale spatial filtering account of the Wertheimerâ€“Benary effect and the corrugated Mondrian. Vision Research, 2001, 41, 2487-2502.	1.4	63
45	Evaluating Therapeutic Approaches to Hemineglect. Journal of the International Neuropsychological Society, 2001, 7, 532-532.	1.8	0
46	The influence of viewing eye on pseudoneglect magnitude. Journal of the International Neuropsychological Society, 2001, 7, 391-395.	1.8	21
47	Performance consistency of normal observers in forced-choice tachistoscopic visual line bisection. Neuropsychologia, 2001, 39, 1065-1076.	1.6	97
48	Pseudoneglect: a review and meta-analysis of performance factors in line bisection tasks. Neuropsychologia, 2000, 38, 93-110.	1.6	1,012
49	Stimulus modulation of pseudoneglect: influence of line geometry. Neuropsychologia, 2000, 38, 520-524.	1.6	30
50	Centripetal versus centrifugal bias in visual line bisection focusing attention on two hypotheses. Frontiers in Bioscience - Landmark, 2000, 5, d58-71.	3.0	41
51	Asymmetries of Visuospatial Attention are Modulated by Viewing Distance and Visual Field Elevation: Pseudoneglect in Peripersonal and Extrapersonal Space. Cortex, 2000, 36, 715-731.	2.4	92
52	Visuospatial attention in line bisection: stimulusmodulation of pseudoneglect. Neuropsychologia, 1999, 37, 843-855.	1.6	255
53	A multiscale spatial filtering account of the White effect, simultaneous brightness contrast and grating induction. Vision Research, 1999, 39, 4361-4377.	1.4	199
54	Brightness with and without Perceived Transparency: When Does it Make a Difference?. Perception, 1997, 26, 493-506.	1.2	33

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55	Similar mechanisms underlie simultaneous brightness contrast and grating induction. Vision Research, 1997, 37, 2849-2869.	1.4	82
56	The effects of gender, menstrual phase and practice on the perceived location of the midsagittal plane. Neuropsychologia, 1997, 35, 717-724.	1.6	56
57	Cognitive and perceptual influences on visual line bisection: Psychophysical and chronometric analyses of pseudoneglect. Neuropsychologia, 1997, 35, 369-380.	1.6	115
58	Facilitation of Luminance Grating Detection by Induced Gratings. Vision Research, 1996, 36, 2563-2573.	1.4	15
59	Contrast-matching analysis of grating induction and suprathreshold contrast perception. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1994, 11, 14.	1.5	30
60	Grating induction: a new explanation for stationary phantom gratings. Vision Research, 1994, 34, 1609-1617.	1.4	18
61	The influence of illusory contours on the detection of luminance increments and decrements. Vision Research, 1994, 34, 2469-2475.	1.4	11
62	The effect of edge blur on grating induction magnitude. Vision Research, 1993, 33, 2499-2507.	1.4	12
63	Properties of area 17/18 border neurons contributing to the visual transcallosal pathway in the cat. Visual Neuroscience, 1990, 5, 83-98.	1.0	28
64	Disappearance of grating induction at scotopic luminances. Vision Research, 1990, 30, 431-437.	1.4	26
65	Factors governing the adaptation of cells in area-17 of the cat visual cortex. Biological Cybernetics, 1988, 59, 229-236.	1.3	65
66	Layering in lamina 6 of cat striate cortex. Brain Research, 1986, 364, 181-185.	2.2	21
67	Anisotropy in the preferred directions and visual field location of directionally-selective optic nerve fibers in the gray squirrel. Vision Research, 1985, 25, 615-618.	1.4	6
68	Spatial frequency interference on grating-induction. Vision Research, 1985, 25, 1507-1518.	1.4	15
69	Visual grating induction. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1985, 2, 1220.	1.5	54
70	Refractive state, depth of focus and accommodation of the eye of the California ground squirrel (Spermophilus Beecheyi). Vision Research, 1984, 24, 1261-1266.	1.4	15
71	Brightness Induction and the CafÃ© Wall Illusion. Perception, 1983, 12, 131-142.	1.2	33
72	A spatial frequency dependent grating-induction effect. Vision Research, 1982, 22, 119-134.	1.4	195

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73	Visual sensitivity of ground squirrels to spatial and temporal luminance variations. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1980, 136, 291-299.	1.6	30
74	Improving the Requirements Inspection Abilities of Computer Science Students through Analysis of their Reading and Learning Styles. , 0, , .		0