

Mark E Mccourt

List of Publications by Year in descending order

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74
papers

3,754
citations

172207

29
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128067

60
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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.	2.6	8
2	Viewer-Aware Intelligent Efficient Mobile Video Embedded Memory. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2018, 26, 684-696.	2.1	9
3	Dissecting the influence of the collinear and flanking bars in White's effect. Vision Research, 2016, 127, 11-17.	0.7	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.	0.6	2
6	The Oriented Difference of Gaussians (ODOG) model of brightness perception: Overview and executable Mathematica notebooks. Behavior Research Methods, 2016, 48, 306-312.	2.3	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.	0.1	0
9	Dissociation of perception and action in audiovisual multisensory integration. European Journal of Neuroscience, 2015, 42, 2915-2922.	1.2	23
10	Comments and Responses to "Theoretical Approaches to Lightness and Perception". Perception, 2015, 44, 359-367.	0.5	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.	1.0	8
12	Brightness induction and suprathreshold vision: Effects of age and visual field. Vision Research, 2015, 106, 36-46.	0.7	4
13	Dissecting the influence of the collinear and flanking bars in White's effect. Journal of Vision, 2015, 15, 626.	0.1	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.	0.8	3
15	Brightness induction magnitude declines with increasing distance from the inducing field edge. Vision Research, 2013, 78, 39-45.	0.7	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.	1.1	30
17	The Roles of Physical and Physiological Simultaneity in Audiovisual Multisensory Facilitation. I-Perception, 2013, 4, 213-228.	0.8	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.	0.8	4

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19	Analysis of multidimensional difference-of-Gaussians filters in terms of directly observable parameters. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2013, 30, 1002.	0.8	2
20	Lighting direction and visual field modulate perceived intensity of illumination. <i>Frontiers in Psychology</i> , 2013, 4, 983.	1.1	6
21	The question of simultaneity in multisensory integration. <i>Proceedings of SPIE</i> , 2012, , .	0.8	3
22	When is spatial filtering enough? Investigation of brightness and lightness perception in stimuli containing a visible illumination component. <i>Vision Research</i> , 2012, 60, 40-50.	0.7	34
23	Hemifield asymmetry in the potency of exogenous auditory and visual cues. <i>Vision Research</i> , 2011, 51, 1207-1215.	0.7	14
24	Spatiotemporal analysis of brightness induction. <i>Vision Research</i> , 2011, 51, 1872-1879.	0.7	8
25	Biases of spatial attention in vision and audition. <i>Brain and Cognition</i> , 2010, 73, 229-235.	0.8	34
26	The effect of acute ethanol challenge on global visuospatial attention: Exaggeration of leftward bias in line bisection. <i>Laterality</i> , 2010, 15, 327-342.	0.5	8
27	Spatial filtering versus anchoring accounts of brightness/lightness perception in staircase and simultaneous brightness/lightness contrast stimuli. <i>Journal of Vision</i> , 2009, 9, 22-22.	0.1	15
28	Simple cell response properties imply receptive field structure: balanced Gabor and/or bandlimited field functions. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2009, 26, 2067.	0.8	4
29	Parvocellular and Magnocellular Contributions to the Initial Generators of the Visual Evoked Potential: High-Density Electrical Mapping of the "C1" Component. <i>Brain Topography</i> , 2008, 21, 11-21.	0.8	87
30	Hemispheric asymmetry and callosal integration of visuospatial attention in schizophrenia: A tachistoscopic line bisection study. <i>Schizophrenia Research</i> , 2008, 102, 189-196.	1.1	33
31	Coming to terms with lightness and brightness: Effects of stimulus configuration and instructions on brightness and lightness judgments. <i>Journal of Vision</i> , 2008, 8, 3-3.	0.1	33
32	Nearly instantaneous brightness induction. <i>Journal of Vision</i> , 2008, 8, 15.	0.1	30
33	Semantic Processing Precedes Affect Retrieval: The Neurological Case for Cognitive Primacy in Visual Processing. <i>Review of General Psychology</i> , 2006, 10, 41-55.	2.1	66
34	A Multiscale Filtering Explanation of Gradient Induction and Remote Brightness Induction Effects: A Reply to Logvinenko (2003). <i>Perception</i> , 2005, 34, 793-802.	0.5	15
35	Comparing the Spatial-Frequency Response of First-Order and Second-Order Lateral Visual Interactions: Grating Induction and Contrast "Contrast. <i>Perception</i> , 2005, 34, 501-510.	0.5	6
36	Unilateral Visual Cueing and Asymmetric Line Geometry Share a Common Attentional Origin in the Modulation of Pseudoneglect. <i>Cortex</i> , 2005, 41, 499-511.	1.1	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. <i>Vision Research</i> , 2005, 45, 607-615.	0.7	55
38	A unified theory of brightness contrast and assimilation incorporating oriented multiscale spatial filtering and contrast normalization. <i>Vision Research</i> , 2004, 44, 2483-2503.	0.7	129
39	Brightening prospects for early cortical coding of perceived luminance: a high-density electrical mapping study. <i>NeuroReport</i> , 2004, 15, 49-56.	0.6	19
40	Right hemisphere control of visuospatial attention: line-bisection judgments evaluated with high-density electrical mapping and source analysis†. <i>NeuroImage</i> , 2003, 19, 710-726.	2.1	181
41	Neuropsychology: From Theory to Practice, by D. Andrewes. 2001. East Sussex, UK: Psychology Press, Ltd.608 pp., \$49.95 (HB).. <i>Journal of the International Neuropsychological Society</i> , 2003, 9, 965-965.	1.2	1
42	A Multiscale Spatial Filtering Account of Brightness Phenomena. , 2003, , 47-72.		24
43	The Influence of Unimanual Response on Pseudoneglect Magnitude. <i>Brain and Cognition</i> , 2001, 45, 52-63.	0.8	61
44	A multiscale spatial filtering account of the Wertheimerâ€“Benary effect and the corrugated Mondrian. <i>Vision Research</i> , 2001, 41, 2487-2502.	0.7	63
45	Evaluating Therapeutic Approaches to Hemineglect. <i>Journal of the International Neuropsychological Society</i> , 2001, 7, 532-532.	1.2	0
46	The influence of viewing eye on pseudoneglect magnitude. <i>Journal of the International Neuropsychological Society</i> , 2001, 7, 391-395.	1.2	21
47	Performance consistency of normal observers in forced-choice tachistoscopic visual line bisection. <i>Neuropsychologia</i> , 2001, 39, 1065-1076.	0.7	97
48	Pseudoneglect: a review and meta-analysis of performance factors in line bisection tasks. <i>Neuropsychologia</i> , 2000, 38, 93-110.	0.7	1,012
49	Stimulus modulation of pseudoneglect: influence of line geometry. <i>Neuropsychologia</i> , 2000, 38, 520-524.	0.7	30
50	Centripetal versus centrifugal bias in visual line bisection focusing attention on two hypotheses. <i>Frontiers in Bioscience - Landmark</i> , 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. <i>Cortex</i> , 2000, 36, 715-731.	1.1	92
52	Visuospatial attention in line bisection: stimulusmodulation of pseudoneglect. <i>Neuropsychologia</i> , 1999, 37, 843-855.	0.7	255
53	A multiscale spatial filtering account of the White effect, simultaneous brightness contrast and grating induction. <i>Vision Research</i> , 1999, 39, 4361-4377.	0.7	199
54	Brightness with and without Perceived Transparency: When Does it Make a Difference?. <i>Perception</i> , 1997, 26, 493-506.	0.5	33

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55	Similar mechanisms underlie simultaneous brightness contrast and grating induction. <i>Vision Research</i> , 1997, 37, 2849-2869.	0.7	82
56	The effects of gender, menstrual phase and practice on the perceived location of the midsagittal plane. <i>Neuropsychologia</i> , 1997, 35, 717-724.	0.7	56
57	Cognitive and perceptual influences on visual line bisection: Psychophysical and chronometric analyses of pseudoneglect. <i>Neuropsychologia</i> , 1997, 35, 369-380.	0.7	115
58	Facilitation of Luminance Grating Detection by Induced Gratings. <i>Vision Research</i> , 1996, 36, 2563-2573.	0.7	15
59	Contrast-matching analysis of grating induction and suprathreshold contrast perception. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1994, 11, 14.	0.8	30
60	Grating induction: a new explanation for stationary phantom gratings. <i>Vision Research</i> , 1994, 34, 1609-1617.	0.7	18
61	The influence of illusory contours on the detection of luminance increments and decrements. <i>Vision Research</i> , 1994, 34, 2469-2475.	0.7	11
62	The effect of edge blur on grating induction magnitude. <i>Vision Research</i> , 1993, 33, 2499-2507.	0.7	12
63	Properties of area 17/18 border neurons contributing to the visual transcallosal pathway in the cat. <i>Visual Neuroscience</i> , 1990, 5, 83-98.	0.5	28
64	Disappearance of grating induction at scotopic luminances. <i>Vision Research</i> , 1990, 30, 431-437.	0.7	26
65	Factors governing the adaptation of cells in area-17 of the cat visual cortex. <i>Biological Cybernetics</i> , 1988, 59, 229-236.	0.6	65
66	Layering in lamina 6 of cat striate cortex. <i>Brain Research</i> , 1986, 364, 181-185.	1.1	21
67	Anisotropy in the preferred directions and visual field location of directionally-selective optic nerve fibers in the gray squirrel. <i>Vision Research</i> , 1985, 25, 615-618.	0.7	6
68	Spatial frequency interference on grating-induction. <i>Vision Research</i> , 1985, 25, 1507-1518.	0.7	15
69	Visual grating induction. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1985, 2, 1220.	0.8	54
70	Refractive state, depth of focus and accommodation of the eye of the California ground squirrel (<i>Spermophilus Beecheyi</i>). <i>Vision Research</i> , 1984, 24, 1261-1266.	0.7	15
71	Brightness Induction and the Café Wall Illusion. <i>Perception</i> , 1983, 12, 131-142.	0.5	33
72	A spatial frequency dependent grating-induction effect. <i>Vision Research</i> , 1982, 22, 119-134.	0.7	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.	0.7	30
74	Improving the Requirements Inspection Abilities of Computer Science Students through Analysis of their Reading and Learning Styles. , 0, , .		0