

Mark E Mccourt

List of Publications by Year in descending order

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74
papers

3,754
citations

172457

29
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128289

60
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75
all docs

75
docs citations

75
times ranked

2230
citing authors

#	ARTICLE	IF	CITATIONS
1	Pseudoneglect: a review and meta-analysis of performance factors in line bisection tasks. <i>Neuropsychologia</i> , 2000, 38, 93-110.	1.6	1,012
2	Visuospatial attention in line bisection: stimulus modulation of pseudoneglect. <i>Neuropsychologia</i> , 1999, 37, 843-855.	1.6	255
3	A multiscale spatial filtering account of the White effect, simultaneous brightness contrast and grating induction. <i>Vision Research</i> , 1999, 39, 4361-4377.	1.4	199
4	A spatial frequency dependent grating-induction effect. <i>Vision Research</i> , 1982, 22, 119-134.	1.4	195
5	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.	4.2	181
6	A unified theory of brightness contrast and assimilation incorporating oriented multiscale spatial filtering and contrast normalization. <i>Vision Research</i> , 2004, 44, 2483-2503.	1.4	129
7	Cognitive and perceptual influences on visual line bisection: Psychophysical and chronometric analyses of pseudoneglect. <i>Neuropsychologia</i> , 1997, 35, 369-380.	1.6	115
8	Performance consistency of normal observers in forced-choice tachistoscopic visual line bisection. <i>Neuropsychologia</i> , 2001, 39, 1065-1076.	1.6	97
9	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.	2.4	92
10	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.	1.8	87
11	Similar mechanisms underlie simultaneous brightness contrast and grating induction. <i>Vision Research</i> , 1997, 37, 2849-2869.	1.4	82
12	Semantic Processing Precedes Affect Retrieval: The Neurological Case for Cognitive Primacy in Visual Processing. <i>Review of General Psychology</i> , 2006, 10, 41-55.	3.2	66
13	Factors governing the adaptation of cells in area-17 of the cat visual cortex. <i>Biological Cybernetics</i> , 1988, 59, 229-236.	1.3	65
14	A multiscale spatial filtering account of the Wertheimerâ€Benary effect and the corrugated Mondrian. <i>Vision Research</i> , 2001, 41, 2487-2502.	1.4	63
15	The Influence of Unimanual Response on Pseudoneglect Magnitude. <i>Brain and Cognition</i> , 2001, 45, 52-63.	1.8	61
16	The effects of gender, menstrual phase and practice on the perceived location of the midsagittal plane. <i>Neuropsychologia</i> , 1997, 35, 717-724.	1.6	56
17	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.	1.4	55
18	Visual grating induction. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1985, 2, 1220.	1.5	54

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19	Unilateral Visual Cueing and Asymmetric Line Geometry Share a Common Attentional Origin in the Modulation of Pseudoneglect. <i>Cortex</i> , 2005, 41, 499-511.	2.4	48
20	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
21	Biases of spatial attention in vision and audition. <i>Brain and Cognition</i> , 2010, 73, 229-235.	1.8	34
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.	1.4	34
23	Brightness Induction and the Café Wall Illusion. <i>Perception</i> , 1983, 12, 131-142.	1.2	33
24	Brightness with and without Perceived Transparency: When Does it Make a Difference?. <i>Perception</i> , 1997, 26, 493-506.	1.2	33
25	Hemispheric asymmetry and callosal integration of visuospatial attention in schizophrenia: A tachistoscopic line bisection study. <i>Schizophrenia Research</i> , 2008, 102, 189-196.	2.0	33
26	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.	0.3	33
27	Visual sensitivity of ground squirrels to spatial and temporal luminance variations. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1980, 136, 291-299.	1.6	30
28	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.	1.5	30
29	Stimulus modulation of pseudoneglect: influence of line geometry. <i>Neuropsychologia</i> , 2000, 38, 520-524.	1.6	30
30	Nearly instantaneous brightness induction. <i>Journal of Vision</i> , 2008, 8, 15.	0.3	30
31	Atypical category processing and hemispheric asymmetries in high-functioning children with autism: Revealed through high-density EEG mapping. <i>Cortex</i> , 2013, 49, 1259-1267.	2.4	30
32	The Roles of Physical and Physiological Simultaneity in Audiovisual Multisensory Facilitation. <i>i-Perception</i> , 2013, 4, 213-228.	1.4	29
33	Properties of area 17/18 border neurons contributing to the visual transcallosal pathway in the cat. <i>Visual Neuroscience</i> , 1990, 5, 83-98.	1.0	28
34	Disappearance of grating induction at scotopic luminances. <i>Vision Research</i> , 1990, 30, 431-437.	1.4	26
35	A Multiscale Spatial Filtering Account of Brightness Phenomena. , 2003, , 47-72.		24
36	Dissociation of perception and action in audiovisual multisensory integration. <i>European Journal of Neuroscience</i> , 2015, 42, 2915-2922.	2.6	23

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37	Layering in lamina 6 of cat striate cortex. <i>Brain Research</i> , 1986, 364, 181-185.	2.2	21
38	The influence of viewing eye on pseudoneglect magnitude. <i>Journal of the International Neuropsychological Society</i> , 2001, 7, 391-395.	1.8	21
39	Brightening prospects for early cortical coding of perceived luminance: a high-density electrical mapping study. <i>NeuroReport</i> , 2004, 15, 49-56.	1.2	19
40	Grating induction: a new explanation for stationary phantom gratings. <i>Vision Research</i> , 1994, 34, 1609-1617.	1.4	18
41	The Oriented Difference of Gaussians (ODOG) model of brightness perception: Overview and executable Mathematica notebooks. <i>Behavior Research Methods</i> , 2016, 48, 306-312.	4.0	18
42	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.	1.4	15
43	Spatial frequency interference on grating-induction. <i>Vision Research</i> , 1985, 25, 1507-1518.	1.4	15
44	Facilitation of Luminance Grating Detection by Induced Gratings. <i>Vision Research</i> , 1996, 36, 2563-2573.	1.4	15
45	A Multiscale Filtering Explanation of Gradient Induction and Remote Brightness Induction Effects: A Reply to Logvinenko (2003). <i>Perception</i> , 2005, 34, 793-802.	1.2	15
46	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.	0.3	15
47	Hemifield asymmetry in the potency of exogenous auditory and visual cues. <i>Vision Research</i> , 2011, 51, 1207-1215.	1.4	14
48	The effect of edge blur on grating induction magnitude. <i>Vision Research</i> , 1993, 33, 2499-2507.	1.4	12
49	The influence of illusory contours on the detection of luminance increments and decrements. <i>Vision Research</i> , 1994, 34, 2469-2475.	1.4	11
50	Brightness induction magnitude declines with increasing distance from the inducing field edge. <i>Vision Research</i> , 2013, 78, 39-45.	1.4	9
51	Viewer-Aware Intelligent Efficient Mobile Video Embedded Memory. <i>IEEE Transactions on Very Large Scale Integration (VLSI) Systems</i> , 2018, 26, 684-696.	3.1	9
52	The effect of acute ethanol challenge on global visuospatial attention: Exaggeration of leftward bias in line bisection. <i>Laterality</i> , 2010, 15, 327-342.	1.0	8
53	Spatiotemporal analysis of brightness induction. <i>Vision Research</i> , 2011, 51, 1872-1879.	1.4	8
54	What visual illusions tell us about underlying neural mechanisms and observer strategies for tackling the inverse problem of achromatic perception. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 205.	2.0	8

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55	Content-Adaptive Memory for Viewer-Aware Energy-Quality Scalable Mobile Video Systems. IEEE Access, 2019, 7, 47479-47493.	4.2	8
56	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
57	Comparing the Spatial-Frequency Response of First-Order and Second-Order Lateral Visual Interactions: Grating Induction and Contrast " Contrast. Perception, 2005, 34, 501-510.	1.2	6
58	Lighting direction and visual field modulate perceived intensity of illumination. Frontiers in Psychology, 2013, 4, 983.	2.1	6
59	Using Eye Tracking to Investigate Reading Patterns and Learning Styles of Software Requirement Inspectors to Enhance Inspection Team Outcome. , 2016, , .		6
60	Comments and Responses to "Theoretical Approaches to Lightness and Perception" Perception, 2015, 44, 359-367.	1.2	5
61	Dissecting the influence of the collinear and flanking bars in White's effect. Vision Research, 2016, 127, 11-17.	1.4	5
62	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
63	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
64	Brightness induction and suprathreshold vision: Effects of age and visual field. Vision Research, 2015, 106, 36-46.	1.4	4
65	Luminance-adaptive smart video storage system. , 2016, , .		4
66	The question of simultaneity in multisensory integration. Proceedings of SPIE, 2012, , .	0.8	3
67	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
68	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
69	Auditory capture of visual motion. NeuroReport, 2016, 27, 1095-1100.	1.2	2
70	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
71	Dissecting the influence of the collinear and flanking bars in White's effect. Journal of Vision, 2015, 15, 626.	0.3	1
72	Evaluating Therapeutic Approaches to Hemineglect. Journal of the International Neuropsychological Society, 2001, 7, 532-532.	1.8	0

#	ARTICLE	IF	CITATIONS
73	Visuospatial Attention and Autism Spectrum Quotient: A Cued Line Bisection Study. Journal of Vision, 2016, 16, 480.	0.3	0
74	Improving the Requirements Inspection Abilities of Computer Science Students through Analysis of their Reading and Learning Styles. , 0, , .		0