

Bruno G Breitmeyer

List of Publications by Year in descending order

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107
papers

6,026
citations

109321

35
h-index

76900

74
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118
all docs

118
docs citations

118
times ranked

2254
citing authors

#	ARTICLE	IF	CITATIONS
1	Implications of sustained and transient channels for theories of visual pattern masking, saccadic suppression, and information processing.. Psychological Review, 1976, 83, 1-36.	3.8	1,229
2	Recent models and findings in visual backward masking: A comparison, review, and update. Perception & Psychophysics, 2000, 62, 1572-1595.	2.3	436
3	Simple reaction time as a measure of the temporal response properties of transient and sustained channels. Vision Research, 1975, 15, 1411-1412.	1.4	355
4	Unmasking visual masking: A look at the "why" behind the veil of the "how.". Psychological Review, 1980, 87, 52-69.	3.8	297
5	Temporal studies with flashed gratings: Inferences about human transient and sustained channels. Vision Research, 1977, 17, 861-865.	1.4	175
6	Feedback Contributions to Visual Awareness in Human Occipital Cortex. Current Biology, 2003, 13, 1038-1041.	3.9	149
7	The what and where in visual masking. Vision Research, 2003, 43, 1337-1350.	1.4	140
8	The existence and role of retinotopic and spatiotopic forms of visual persistence. Acta Psychologica, 1982, 52, 175-196.	1.5	133
9	Unconscious Color Priming Occurs at Stimulus- Not Percept-Dependent Levels of Processing. Psychological Science, 2004, 15, 198-202.	3.3	116
10	Psychophysical "blinding" methods reveal a functional hierarchy of unconscious visual processing. Consciousness and Cognition, 2015, 35, 234-250.	1.5	114
11	Visual masking: past accomplishments, present status, future developments. Advances in Cognitive Psychology, 2007, 3, 9-20.	0.5	109
12	The role of on and off transients in determining the psychophysical spatial frequency response. Vision Research, 1975, 15, 411-415.	1.4	97
13	Visual masking as a probe for abnormal gamma range activity in schizophrenia. Biological Psychiatry, 2003, 53, 1113-1119.	1.3	96
14	Effects of isoluminant-background color on metacontrast and stroboscopic motion: Interactions between sustained (P) and transient (M) channels. Vision Research, 1990, 30, 1069-1075.	1.4	95
15	Binocular-Disparity-Dependent Upper"Lower Hemifield Anisotropy and Left"Right Hemifield Isotropy as Revealed by Dynamic Random-Dot Stereograms. Perception, 1976, 5, 129-141.	1.2	86
16	Flicker masking in spatial vision. Vision Research, 1981, 21, 1377-1385.	1.4	82
17	Meta- and paracontrast reveal differences between contour- and brightness-processing mechanisms. Vision Research, 2006, 46, 2645-2658.	1.4	75
18	Problems with the psychophysics of intention. Behavioral and Brain Sciences, 1985, 8, 539-540.	0.7	73

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19	Effects of background color on reaction time to stimuli varying in size and contrast: Inferences about human M channels. <i>Vision Research</i> , 1994, 34, 1039-1045.	1.4	72
20	Event-Related Gamma Activity in Schizophrenia Patients During a Visual Backward-Masking Task. <i>American Journal of Psychiatry</i> , 2005, 162, 2330-2336.	7.2	66
21	Contour suppression during stroboscopic motion and metacontrast. <i>Vision Research</i> , 1974, 14, 1451-1456.	1.4	63
22	Unconscious priming by color and form: Different processes and levels. <i>Consciousness and Cognition</i> , 2004, 13, 138-157.	1.5	60
23	Role of task-directed attention in nonconscious and conscious response priming by form and color.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2010, 36, 74-87.	0.9	54
24	The role of visual pattern persistence in bistable stroboscopic motion. <i>Vision Research</i> , 1986, 26, 1801-1806.	1.4	52
25	Visual persistence and the effect of eccentric viewing, element size, and frame duration on bistable stroboscopic motion percepts. <i>Perception & Psychophysics</i> , 1986, 39, 275-280.	2.3	51
26	A comparison of masking by visual and transcranial magnetic stimulation: implications for the study of conscious and unconscious visual processing. <i>Consciousness and Cognition</i> , 2004, 13, 829-843.	1.5	48
27	A relationship between the detection of size, rate, orientation and direction in the human visual system. <i>Vision Research</i> , 1973, 13, 41-58.	1.4	43
28	The roles of location specificity and masking mechanisms in the attentional blink. <i>Perception & Psychophysics</i> , 1999, 61, 798-809.	2.3	43
29	Forward and Backward Visual Masking in Unaffected Siblings of Schizophrenic Patients. <i>Biological Psychiatry</i> , 2006, 59, 446-451.	1.3	43
30	Visual Consciousness Revisited. <i>Psychological Science</i> , 2011, 22, 934-942.	3.3	43
31	Contributions of magno- and parvocellular channels to conscious and non-conscious vision. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130213.	4.0	43
32	Fequency-specific color adaptation in the human visual system. <i>Perception & Psychophysics</i> , 1972, 11, 95-96.	2.3	42
33	Colored Overlays for Visual Perceptual Deficits in Children with Reading Disability and Attention Deficit/Hyperactivity Disorder: Are They Differentially Effective?. <i>Journal of Clinical and Experimental Neuropsychology</i> , 1998, 20, 791-806.	1.3	42
34	Metacontrast investigations of sustained"transient channel inhibitory interactions.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1981, 7, 770-779.	0.9	40
35	Modulation of Attention During Visual Masking in Schizophrenia. <i>American Journal of Psychiatry</i> , 2005, 162, 1533-1535.	7.2	38
36	A Visually Based Deficit in Specific Reading Disability. <i>Irish Journal of Psychology</i> , 1989, 10, 534-541.	0.2	36

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37	Paracontrast and metacontrast in schizophrenia: clarifying the mechanism for visual masking deficits. <i>Schizophrenia Research</i> , 2004, 71, 485-492.	2.0	36
38	Metacontrast masking as a function of mask energy. <i>Bulletin of the Psychonomic Society</i> , 1978, 12, 50-52.	0.2	35
39	Unconscious and conscious priming by forms and their parts. <i>Visual Cognition</i> , 2005, 12, 720-736.	1.6	35
40	Disinhibition in metacontrast masking of vernier acuity targets: Sustained channels inhibit transient channels. <i>Vision Research</i> , 1978, 18, 1401-1405.	1.4	34
41	The lateral effect of oscillation of peripheral luminance gratings on the foveal increment threshold. <i>Vision Research</i> , 1980, 20, 799-805.	1.4	34
42	Metacontrast with masks varying in spatial frequency and wavelength. <i>Vision Research</i> , 1991, 31, 2017-2023.	1.4	34
43	Existence and Implications of a Tilted Binocular Disparity Space. <i>Perception</i> , 1977, 6, 161-164.	1.2	33
44	Unconscious, stimulus-dependent priming and conscious, percept-dependent priming with chromatic stimuli. <i>Perception & Psychophysics</i> , 2007, 69, 550-557.	2.3	31
45	Unconscious processing of color and form in metacontrast masking. <i>Perception & Psychophysics</i> , 2009, 71, 95-103.	2.3	29
46	Development of a computerized assessment for visual masking. <i>International Journal of Methods in Psychiatric Research</i> , 2002, 11, 83-89.	2.1	27
47	Subliminal processing of smoking-related and affective stimuli in tobacco addiction.. <i>Experimental and Clinical Psychopharmacology</i> , 2008, 16, 301-312.	1.8	27
48	Feedforward and feedback processes in vision. <i>Frontiers in Psychology</i> , 2015, 6, 279.	2.1	27
49	Target recovery in metacontrast: The effect of contrast. <i>Vision Research</i> , 2006, 46, 4726-4734.	1.4	26
50	The lateral effect of oscillation of peripheral luminance gratings: Test of various hypotheses. <i>Vision Research</i> , 1980, 20, 789-798.	1.4	24
51	Metacontrast with black and white stimuli: Evidence for inhibition of on- and off-sustained activity by either on- or off-transient activity. <i>Vision Research</i> , 1978, 18, 1443-1448.	1.4	23
52	Revisiting the metacontrast dissociation: Comparing sensitivity across different measures and tasks. <i>Quarterly Journal of Experimental Psychology</i> , 2009, 62, 286-309.	1.1	23
53	Backward masking by pattern stimulus onset.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1981, 7, 972-977.	0.9	22
54	Metacontrast reveals asymmetries at red-green isoluminance. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1991, 8, 1324.	1.5	22

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55	Discriminability of random-dot stereograms in three-dimensional space. <i>International Journal of Neuroscience</i> , 1995, 80, 247-253.	1.6	22
56	On the role of stroboscopic motion in metacontrast. <i>Bulletin of the Psychonomic Society</i> , 1981, 17, 29-32.	0.2	21
57	'U'-shaped backward contour masking during stroboscopic motion.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 1976, 2, 167-173.	0.9	20
58	Comparing sensitivity across different processing measures under metacontrast masking conditions. <i>Vision Research</i> , 2007, 47, 3335-3349.	1.4	20
59	The attentional blink in schizophrenia: Isolating the perception/attention interface. <i>Journal of Psychiatric Research</i> , 2011, 45, 1346-1351.	3.1	20
60	Tracking the first two seconds: three stages of visual information processing?. <i>Psychonomic Bulletin and Review</i> , 2013, 20, 1114-1119.	2.8	20
61	A statistical perspective to visual masking. <i>Vision Research</i> , 2015, 115, 23-39.	1.4	20
62	Sensory Masking, Persistence, and Enhancement in Visual Exploration and Reading. , 1983, , 3-30.		19
63	Functional hierarchies of nonconscious visual processing. <i>Vision Research</i> , 2008, 48, 1509-1513.	1.4	18
64	Stationary patterns suppress the perception of stroboscopic motion. <i>Vision Research</i> , 1985, 25, 1501-1505.	1.4	16
65	In Support of Pockett's Critique of Libet's Studies of the Time Course of Consciousness. <i>Consciousness and Cognition</i> , 2002, 11, 280-283.	1.5	16
66	Motion, Not Masking, Provides the Medium for Feature Attribution. <i>Psychological Science</i> , 2008, 19, 823-829.	3.3	16
67	Parallel Processing in Human Vision: History, Review, and Critique. <i>Advances in Psychology</i> , 1992, 86, 37-78.	0.1	15
68	Spatial frequency and contrast effects on percepts of bistable stroboscopic motion. <i>Perception & Psychophysics</i> , 1988, 44, 525-531.	2.3	14
69	Predictions of U-Shaped Backward Pattern Masking from Considerations of the Spatio-Temporal Frequency Response. <i>Perception</i> , 1975, 4, 297-304.	1.2	13
70	Metacontrast masking and stimulus contrast polarity. <i>Vision Research</i> , 2008, 48, 2433-2438.	1.4	13
71	Metacontrast masking and attention do not interact. <i>Attention, Perception, and Psychophysics</i> , 2016, 78, 1363-1380.	1.3	13
72	Visual masking. <i>Scholarpedia Journal</i> , 2007, 2, 3330.	0.3	13

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73	Metacontrast masking within and between visual channels: Effects of orientation and spatial frequency contrasts. <i>Journal of Vision</i> , 2010, 10, 12-12.	0.3	12
74	Nonconscious and conscious color priming in schizophrenia. <i>Journal of Psychiatric Research</i> , 2012, 46, 1312-1317.	3.1	12
75	A single-transient masking paradigm. <i>Perception & Psychophysics</i> , 1981, 30, 604-606.	2.3	11
76	A choice reaction time analysis of spatial frequency discrimination. <i>Vision Research</i> , 1989, 29, 1575-1586.	1.4	11
77	Metacontrast, target recovery, and the magno- and parvocellular systems: A reply to the perspective. <i>Visual Neuroscience</i> , 2008, 25, 611-616.	1.0	11
78	Visual processing in schizophrenia: Structural equation modeling of visual masking performance. <i>Schizophrenia Research</i> , 2005, 78, 251-260.	2.0	10
79	Properties of spatial attention in conscious and nonconscious visual information processing. <i>Consciousness and Cognition</i> , 2011, 20, 426-431.	1.5	10
80	The effects of dichoptic and binocular viewing on bistable motion percepts. <i>Vision Research</i> , 1989, 29, 1215-1219.	1.4	9
81	Effects of contrast polarity in paracontrast masking. <i>Attention, Perception, and Psychophysics</i> , 2009, 71, 1576-1587.	1.3	9
82	Object Substitution Masking in Schizophrenia: An Event-Related Potential Analysis. <i>Frontiers in Psychology</i> , 2013, 4, 30.	2.1	9
83	Roles of contour and surface processing in microgenesis of object perception and visual consciousness. <i>Advances in Cognitive Psychology</i> , 2011, 7, 68-81.	0.5	9
84	Spatial attention effects during conscious and nonconscious processing of visual features and objects.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2013, 39, 745-756.	0.9	8
85	Metacontrast masking with texture-defined second-order stimuli. <i>Vision Research</i> , 2011, 51, 2453-2461.	1.4	6
86	Microgenesis of surface completion in visual objects: Evidence for filling-out. <i>Vision Research</i> , 2012, 55, 11-18.	1.4	6
87	Effects of Exogenous and Endogenous Attention on Metacontrast Masking. <i>Vision (Switzerland)</i> , 2018, 2, 39.	1.2	6
88	Eye Movements and Visual Pattern Perception. , 1986, , 65-86.		6
89	Contrast sensitivity indicates processing level of visual illusions.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2018, 44, 1557-1566.	0.9	6
90	Contrast sensitivity and binocular brightness: Dioptic and dichoptic luminance conditions. <i>Perception & Psychophysics</i> , 1980, 27, 180-181.	2.3	5

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91	Icon as visual persistence: Alive and well. Behavioral and Brain Sciences, 1983, 6, 15-16.	0.7	5
92	“Change of Mind” within and between nonconscious (masked) and conscious (unmasked) visual processing. Consciousness and Cognition, 2008, 17, 254-266.	1.5	5
93	Exploring facial emotion perception in schizophrenia using transcranial magnetic stimulation and spatial filtering. Journal of Psychiatric Research, 2014, 58, 102-108.	3.1	5
94	Central factors contributing to para-contrast modulation of contour and brightness perception. Visual Neuroscience, 2007, 24, 191-196.	1.0	4
95	Can Contrast-Response Functions Indicate Visual Processing Levels?. Vision (Switzerland), 2018, 2, 14.	1.2	4
96	Assessing temporal processing of facial emotion perception with transcranial magnetic stimulation. Brain and Behavior, 2013, 3, 263-272.	2.2	3
97	Exploring the visual (un)conscious. Consciousness and Cognition, 2015, 35, 178-184.	1.5	3
98	How do Endogenous Attention, Exogenous Attention and Metacontrast Masking Operate in Controlling Stimulus Visibility?. Journal of Vision, 2016, 16, 898.	0.3	3
99	Express saccades: Attention, fixation or both?. Behavioral and Brain Sciences, 1993, 16, 572-572.	0.7	2
100	Ups and downs of the visual field: Manipulation and locomotion. Behavioral and Brain Sciences, 1990, 13, 545-546.	0.7	1
101	Interactions between visual working memory and visual attention among survivors of pediatric acute lymphoblastic leukemia (ALL) and their healthy peers. Journal of Clinical and Experimental Neuropsychology, 2019, 41, 974-986.	1.3	1
102	A Discussion of Models of Motion Perception. , 1989, , 251-259.		1
103	Attention and Metacontrast Masking do not Interact. Journal of Vision, 2016, 16, 1267.	0.3	1
104	Significance and implications of visual shape processing at intermediate cortical levels. Cognitive Neuropsychology, 2022, 39, 71-74.	1.1	1
105	Effects of Inducer Contrast on Simultaneous Brightness and Poggendorf Illusions. Journal of Vision, 2017, 17, 472.	0.3	0
106	White Illusion: Effects of Inducer Contrast, Test-Bar Location, and Test-Bar Contrast. Journal of Vision, 2019, 19, 72b.	0.3	0
107	Visual Memory Scan Slopes: Their Changes over the First Two Seconds of Processing. Vision (Switzerland), 2021, 5, 53.	1.2	0