David Charles Burr

List of Publications by Year
in descending order

293	20,781	8732 75	12910 131
papers	citations	h-index	g-index

306	306	306	9213
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Ventriloquist Effect Results from Near-Optimal Bimodal Integration. Current Biology, 2004, 14, 257-262.	1.8	1,523
2	When the world becomes â€˜too realâ€™: a Bayesian explanation of autistic perception. Trends in Cognitive Sciences, 2012, 16, 504-510.	4.0	808
3	Compression of visual space before saccades. Nature, 1997, 386, 598-601.	13.7	678
4	Selective suppression of the magnocellular visual pathway during saccadic eye movements. Nature, 1994, 371, 511-513.	13.7	636
5	A Visual Sense of Number. Current Biology, 2008, 18, 425-428.	1.8	537
6	Changes in visual perception at the time of saccades. Trends in Neurosciences, 2001, 24, 113-121.	4.2	527
7	Young Children Do Not Integrate Visual and Haptic Form Information. Current Biology, 2008, 18, 694-698.	1.8	461
8	Saccadic eye movements cause compression of time as well as space. Nature Neuroscience, 2005, 8, 950-954.	7.1	391
9	A cortical area that responds specifically to optic flow, revealed by fMRI. Nature Neuroscience, 2000, 3, 1322-1328.	7.1	358
10	Motion smear. Nature, 1980, 284, 164-165.	13.7	308
11	Seeing biological motion. Nature, 1998, 395, 894-896.	13.7	304
12	Contrast sensitivity at high velocities. Vision Research, 1982, 22, 479-484.	0.7	269
13	Spatial and temporal selectivity of the human motion detection system. Vision Research, 1985, 25, 1147-1154.	0.7	259
14	Optimal Encoding of Interval Timing in Expert Percussionists. Journal of Neuroscience, 2012, 32, 1056-1060.	1.7	235
15	Mach bands are phase dependent. Nature, 1986, 324, 250-253.	13.7	230
16	Neural mechanisms for timing visual events are spatially selective in real-world coordinates. Nature Neuroscience, 2007, 10, 423-425.	7.1	230
17	Two stages of visual processing for radial and circular motion. Nature, 1995, 376, 507-509.	13.7	227
18	Compressive mapping of number to space reflects dynamic encoding mechanisms, not static logarithmic transform. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7867-7872.	3.3	217

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19	Auditory dominance over vision in the perception of interval duration. Experimental Brain Research, 2009, 198, 49-57.	0.7	202
20	Number As a Primary Perceptual Attribute: A Review. Perception, 2016, 45, 5-31.	0.5	198
21	Motion psychophysics: 1985â€“2010. Vision Research, 2011, 51, 1431-1456.	0.7	192
22	Impairment of auditory spatial localization in congenitally blind human subjects. Brain, 2014, 137, 288-293.	3.7	185
23	Using Psilocybin to Investigate the Relationship between Attention, Working Memory, and the Serotonin 1A and 2A Receptors. Journal of Cognitive Neuroscience, 2005, 17, 1497-1508.	1.1	183
24	Separate Mechanisms for Perception of Numerosity and Density. Psychological Science, 2014, 25, 265-270.	1.8	178
25	Abnormal Adaptive Face-Coding Mechanisms in Children with Autism Spectrum Disorder. Current Biology, 2007, 17, 1508-1512.	1.8	169
26	Subitizing but not estimation of numerosity requires attentional resources. Journal of Vision, 2010, 10, 20-20.	0.1	164
27	Poor Haptic Orientation Discrimination in Nonsighted Children May Reflect Disruption of Cross-Sensory Calibration. Current Biology, 2010, 20, 223-225.	1.8	163
28	Selective depression of motion sensitivity during saccades.. Journal of Physiology, 1982, 333, 1-15.	1.3	160
29	Apparent Position of Visual Targets during Real and Simulated Saccadic Eye Movements. Journal of Neuroscience, 1997, 17, 7941-7953.	1.7	160
30	Visual aftereffects. Current Biology, 2009, 19, R11-R14.	1.8	158
31	Recognition of Positive and Negative Bandpass-Filtered Images. Perception, 1986, 15, 595-602.	0.5	157
32	Brief periods of monocular deprivation disrupt ocular balance in human adult visual cortex. Current Biology, 2011, 21, R538-R539.	1.8	156
33	Visual processing of motion. Trends in Neurosciences, 1986, 9, 304-307.	4.2	142
34	Temporal integration of optic flow, measured by contrast and coherence thresholds. Vision Research, 2001, 41, 1891-1899.	0.7	141
35	Spatiotopic selectivity of BOLD responses to visual motion in human area MT. Nature Neuroscience, 2007, 10, 249-255.	7.1	141
36	Serial dependencies act directly on perception. Journal of Vision, 2017, 17, 6.	0.1	139

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37	Direct Evidence That â€œSpeedlinesâ€•Influence Motion Mechanisms. Journal of Neuroscience, 2002, 22, 8661-8664.	1.7	136
38	The functional role of serial dependence. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181722.	1.2	135
39	The effects of ageing on the pattern electroretinogram and visual evoked potential in humans. Vision Research, 1992, 32, 1199-1209.	0.7	131
40	Development of Visuo-Auditory Integration in Space and Time. Frontiers in Integrative Neuroscience, 2012, 6, 77.	1.0	131
41	Spontaneous perception of numerosity in humans. Nature Communications, 2016, 7, 12536.	5.8	130
42	How does binocular delay give information about depth?. Vision Research, 1979, 19, 523-532.	0.7	127
43	Separate attentional resources for vision and audition. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 1339-1345.	1.2	120
44	Vision senses number directly. Journal of Vision, 2010, 10, 1-8.	0.1	119
45	Evidence for edge and bar detectors in human vision. Vision Research, 1989, 29, 419-431.	0.7	118
46	Receptive field size of human motion detection units. Vision Research, 1987, 27, 621-635.	0.7	113
47	Spatial summation properties of directionally selective mechanisms in human vision. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1991, 8, 1330.	0.8	112
48	Saccades compress space, time and number. Trends in Cognitive Sciences, 2010, 14, 528-533.	4.0	112
49	No direction-specific bimodal facilitation for audiovisual motion detection. Cognitive Brain Research, 2004, 19, 185-194.	3.3	110
50	Spatiotopic coding and remapping in humans. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 504-515.	1.8	108
51	Visual sustained attention and numerosity sensitivity correlate with math achievement in children. Journal of Experimental Child Psychology, 2013, 116, 380-391.	0.7	108
52	Semantic confusion regarding the development of multisensory integration: a practical solution. European Journal of Neuroscience, 2010, 31, 1713-1720.	1.2	107
53	Separate visual representations for perception and action revealed by saccadic eye movements. Current Biology, 2001, 11, 798-802.	1.8	106
54	Visual Ageing: Unspecific Decline of the Responses to Luminance and Colour. Vision Research, 1996, 36, 3557-3566.	0.7	104

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55	Feature-based integration of orientation signals in visual search. Vision Research, 2000, 40, 1293-1300.	0.7	102
56	The â€œFlash-Lagâ€•Effect Occurs in Audition and Cross-Modally. Current Biology, 2003, 13, 59-63.	1.8	102
57	Different coding strategies for the perception of stable and changeable facial attributes. Scientific Reports, 2016, 6, 32239.	1.6	102
58	A generalized sense of number. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141791.	1.2	100
59	Large receptive fields for optic flow detection in humans. Vision Research, 1998, 38, 1731-1743.	0.7	98
60	Long-term effects of monocular deprivation revealed with binocular rivalry gratings modulated in luminance and in color. Journal of Vision, 2013, 13, 1-1.	0.1	95
61	Suppression of the magnocellular pathway during saccades. Behavioural Brain Research, 1996, 80, 1-8.	1.2	92
62	Spatial neglect is associated with increased latencies of visual evoked potentials. Visual Neuroscience, 1994, 11, 909-918.	0.5	91
63	Linear mapping of numbers onto space requires attention. Cognition, 2012, 122, 454-459.	1.1	90
64	Acuity for apparent vernier offset. Vision Research, 1979, 19, 835-837.	0.7	88
65	Smooth and sampled motion. Vision Research, 1986, 26, 643-652.	0.7	88
66	Spatiotemporal Distortions of Visual Perception at the Time of Saccades. Journal of Neuroscience, 2009, 29, 13147-13157.	1.7	88
67	Central tendency effects in time interval reproduction in autism. Scientific Reports, 2016, 6, 28570.	1.6	88
68	Chapter 14 Combining visual and auditory information. Progress in Brain Research, 2006, 155, 243-258.	0.9	87
69	Effect of Saccadic Adaptation on Localization of Visual Targets. Journal of Neurophysiology, 2005, 93, 3605-3614.	0.9	86
70	Impulse-response functions for chromatic and achromatic stimuli. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1993, 10, 1706.	0.8	85
71	Numerosity but not texture-density discrimination correlates with math ability in children.. Developmental Psychology, 2016, 52, 1206-1216.	1.2	85
72	Sensitivity to spatial phase. Vision Research, 1980, 20, 391-396.	0.7	84

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73	Evidence for the existence and development of visual inhibition in humans. Nature, 1986, 321, 235-237.	13.7	84
74	Temporal Impulse Response Functions for Luminance and Colour During Saccades. Vision Research, 1996, 36, 2069-2078.	0.7	84
75	Effects of adaptation on numerosity decoding in the human brain. NeuroImage, 2016, 143, 364-377.	2.1	83
76	Receptive field properties of human motion detector units inferred from spatial frequency masking. Vision Research, 1989, 29, 1343-1358.	0.7	81
77	Cross-orientation inhibition in cat is GABA mediated. Experimental Brain Research, 1987, 67, 635-44.	0.7	77
78	Development of infant contrast sensitivity to chromatic stimuli. Vision Research, 1993, 33, 2535-2552.	0.7	77
79	Children with autism spectrum disorder show reduced adaptation to number. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7868-7872.	3.3	77
80	Spatiotopic Coding of BOLD Signal in Human Visual Cortex Depends on Spatial Attention. PLoS ONE, 2011, 6, e21661.	1.1	76
81	The conditions under which Mach bands are visible. Vision Research, 1989, 29, 699-715.	0.7	75
82	Temporal Coding of Visual Space. Trends in Cognitive Sciences, 2018, 22, 883-895.	4.0	75
83	Perceptual synchrony of audiovisual streams for natural and artificial motion sequences. Journal of Vision, 2006, 6, 6.	0.1	73
84	Vision: Efficient Adaptive Coding. Current Biology, 2014, 24, R1096-R1098.	1.8	73
85	Mechanisms for perception of numerosity or texture-density are governed by crowding-like effects. Journal of Vision, 2015, 15, 4.	0.1	70
86	Psychophysical evidence for the number sense. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170045.	1.8	70
87	Two-dimensional spatial and spatial-frequency selectivity of motion-sensitive mechanisms in human vision. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1991, 8, 1340.	0.8	68
88	Reaction time to motion onset of luminance and chromatic gratings is determined by perceived speed. Vision Research, 1998, 38, 3681-3690.	0.7	66
89	Spatial and temporal properties of neurons of the lateral suprasylvian cortex of the cat. Journal of Neurophysiology, 1986, 56, 969-986.	0.9	65
90	Visual Clutter Causes High-Magnitude Errors. PLoS Biology, 2006, 4, e56.	2.6	65

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91	Perceptual history propagates down to early levels of sensory analysis. Current Biology, 2021, 31, 1245-1250.e2.	1.8	65
92	Transient spatiotopic integration across saccadic eye movements mediates visual stability. Journal of Neurophysiology, 2013, 109, 1117-1125.	0.9	62
93	No rapid audiovisual recalibration in adults on the autism spectrum. Scientific Reports, 2016, 6, 21756.	1.6	62
94	Early visual deprivation severely compromises the auditory sense of space in congenitally blind children.. Developmental Psychology, 2016, 52, 847-853.	1.2	61
95	Auditory Sensitivity and Decision Criteria Oscillate at Different Frequencies Separately for the Two Ears. Current Biology, 2017, 27, 3643-3649.e3.	1.8	61
96	Spatiotopic neural representations develop slowly across saccades. Current Biology, 2013, 23, R193-R194.	1.8	59
97	Predictive coding of multisensory timing. Current Opinion in Behavioral Sciences, 2016, 8, 200-206.	2.0	59
98	Inhibitory interactions in the human vision system revealed in patternâ€evoked potentials.. Journal of Physiology, 1987, 389, 1-21.	1.3	58
99	Added noise restores recognizability of coarse quantized images. Nature, 1983, 305, 226-228.	13.7	55
100	Development of the Temporal Properties of Visual Evoked Potentials to Luminance and Colour Contrast in Infants. Vision Research, 1996, 36, 3141-3155.	0.7	55
101	Vision and Audition Do Not Share Attentional Resources in Sustained Tasks. Frontiers in Psychology, 2011, 2, 56.	1.1	55
102	Spatiotopic perceptual maps in humans: evidence from motion adaptation. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 3091-3097.	1.2	55
103	The effects of ageing on reaction times to motion onset. Vision Research, 1999, 39, 2157-2164.	0.7	53
104	Perceived duration of Visual and Tactile Stimuli Depends on Perceived Speed. Frontiers in Integrative Neuroscience, 2011, 5, 51.	1.0	53
105	A shared numerical representation for action and perception. ELife, 2016, 5, .	2.8	52
106	Implications of the Craik-O'Brien illusion for brightness perception. Vision Research, 1987, 27, 1903-1913.	0.7	51
107	Motion vision: Are â€˜speed linesâ€™ used in human visual motion?. Current Biology, 2000, 10, R440-R443.	1.8	51
108	Psilocybin impairs high-level but not low-level motion perception. NeuroReport, 2004, 15, 1947-1951.	0.6	51

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109	Higher-level mechanisms detect facial symmetry. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 1379-1384.	1.2	51
110	Intra-cortical inhibition prevents simple cells from responding to textured visual patterns. Experimental Brain Research, 1981, 43-43, 455-8.	0.7	50
111	Cardinal directions for visual optic flow. Current Biology, 1999, 9, 763-766.	1.8	50
112	Pupillometry reveals perceptual differences that are tightly linked to autistic traits in typical adults. ELife, 2018, 7, .	2.8	50
113	Discrimination of spatial phase in central and peripheral vision. Vision Research, 1989, 29, 433-445.	0.7	49
114	The effects of cross-sensory attentional demand on subitizing and on mapping number onto space. Vision Research, 2012, 74, 102-109.	0.7	48
115	Spatial Position Information Accumulates Steadily over Time. Journal of Neuroscience, 2013, 33, 18396-18401.	1.7	48
116	Adaptation to number operates on perceived rather than physical numerosity. Cognition, 2016, 151, 63-67.	1.1	48
117	Spatial but not temporal numerosity thresholds correlate with formal math skills in children.. Developmental Psychology, 2018, 54, 458-473.	1.2	48
118	Temporal mechanisms of multimodal binding. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 1761-1769.	1.2	47
119	Spatiotopic selectivity of adaptation-based compression of event duration. Journal of Vision, 2011, 11, 21-21.	0.1	47
120	Optimal Multimodal Integration in Spatial Localization. Journal of Neuroscience, 2013, 33, 14259-14268.	1.7	46
121	A Sensorimotor Numerosity System. Trends in Cognitive Sciences, 2021, 25, 24-36.	4.0	46
122	Fusion of Visual and Auditory Stimuli during Saccades: A Bayesian Explanation for Perisaccadic Distortions. Journal of Neuroscience, 2007, 27, 8525-8532.	1.7	44
123	Visual size perception and haptic calibration during development. Developmental Science, 2012, 15, 854-862.	1.3	43
124	Area Prostriata in the Human Brain. Current Biology, 2017, 27, 3056-3060.e3.	1.8	43
125	Orientation discrimination depends on spatial frequency. Vision Research, 1991, 31, 1449-1452.	0.7	42
126	Cross-Sensory Facilitation Reveals Neural Interactions between Visual and Tactile Motion in Humans. Frontiers in Psychology, 2011, 2, 55.	1.1	41

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127	"Non-retinotopic processing" in Ternus motion displays modeled by spatiotemporal filters. Journal of Vision, 2012, 12, 10-10.	0.1	41
128	Meaningful auditory information enhances perception of visual biological motion. Journal of Vision, 2009, 9, 25-25.	0.1	40
129	Adaptation Affects Both High and Low (Subitized) Numbers Under Conditions of High Attentional Load. Seeing and Perceiving, 2011, 24, 141-150.	0.4	40
130	Constructing Stable Spatial Maps of the Word. Perception, 2012, 41, 1355-1372.	0.5	40
131	Serial dependence in perception requires conscious awareness. Current Biology, 2020, 30, R257-R258.	1.8	39
132	Saccadic suppression precedes visual motion analysis. Current Biology, 1999, 9, 1207-1209.	1.8	38
133	Local regulation of luminance gain. Vision Research, 1985, 25, 717-727.	0.7	37
134	Impaired visual size-discrimination in children with movement disorders. Neuropsychologia, 2012, 50, 1838-1843.	0.7	37
135	The light-from-above prior is intact in autistic children. Journal of Experimental Child Psychology, 2017, 161, 113-125.	0.7	37
136	Past visual experiences weigh in on body size estimation. Scientific Reports, 2018, 8, 215.	1.6	37
137	A featureâ€“based model of symmetry detection. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 1727-1733.	1.2	36
138	Time Perception: Spaceâ€“Time in the Brain. Current Biology, 2006, 16, R171-R173.	1.8	36
139	Spatiotopic Visual Maps Revealed by Saccadic Adaptation in Humans. Current Biology, 2011, 21, 1380-1384.	1.8	35
140	Adaptation to numerosity requires only brief exposures, and is determined by number of events, not exposure duration. Journal of Vision, 2016, 16, 22.	0.1	34
141	Simultaneous and sequential subitizing are separate systems, and neither predicts math abilities. Journal of Experimental Child Psychology, 2019, 178, 86-103.	0.7	34
142	Pattern-reversal electroretinogram in response to chromatic stimuli: II Monkey. Visual Neuroscience, 1994, 11, 873-884.	0.5	33
143	The effects of opposite-polarity dipoles on the detection of Glass patterns. Vision Research, 2006, 46, 1139-1144.	0.7	33
144	Development of context dependency in human space perception. Experimental Brain Research, 2014, 232, 3965-3976.	0.7	33

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145	Sensory integration deficits support a dimensional view of psychosis and are not limited to schizophrenia. Translational Psychiatry, 2017, 7, e1118-e1118.	2.4	33
146	Dependency of reaction times to motion onset on luminance and chromatic contrast. Vision Research, 2001, 41, 1039-1048.	0.7	32
147	Reduced perceptual sensitivity for biological motion in paraplegia patients. Current Biology, 2011, 21, R910-R911.	1.8	32
148	Spatial maps for time and motion. Experimental Brain Research, 2010, 206, 121-128.	0.7	31
149	Auditory Perceptual History Is Propagated through Alpha Oscillations. Current Biology, 2019, 29, 4208-4217.e3.	1.8	30
150	Summation of Target and Mask Metacontrast Stimuli. Perception, 1984, 13, 183-192.	0.5	29
151	Pattern-reversal electroretinogram in response to chromatic stimuli: I Humans. Visual Neuroscience, 1994, 11, 861-871.	0.5	29
152	â€œPop-outâ€•of targets modulated in luminance or colour: the effect of intrinsic and extrinsic uncertainty. Vision Research, 2004, 44, 1227-1233.	0.7	29
153	Vision: In the Blink of an Eye. Current Biology, 2005, 15, R554-R556.	1.8	29
154	The motion aftereffect of transparent motion: Two temporal channels account for perceived direction. Vision Research, 2005, 45, 403-412.	0.7	29
155	Contextual effects in interval-duration judgements in vision, audition and touch. Experimental Brain Research, 2013, 230, 87-98.	0.7	29
156	Higher attentional costs for numerosity estimation at high densities. Attention, Perception, and Psychophysics, 2019, 81, 2604-2611.	0.7	29
157	Connecting visual objects reduces perceived numerosity and density for sparse but not dense patterns. Journal of Numerical Cognition, 2017, 3, 133-146.	0.6	29
158	VEP in neglect patients have longer latencies for luminance but not for chromatic patterns. NeuroReport, 1996, 7, 815-819.	0.6	28
159	Direct and Indirect Haptic Calibration of Visual Size Judgments. PLoS ONE, 2011, 6, e25599.	1.1	28
160	Distortions of visual time induced by motor adaptation.. Journal of Experimental Psychology: General, 2020, 149, 1333-1343.	1.5	28
161	â€œGroupitizingâ€• a strategy for numerosity estimation. Scientific Reports, 2020, 10, 13436.	1.6	27
162	The oblique effect is both allocentric and egocentric. Journal of Vision, 2015, 15, 24.	0.1	26

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163	Atypicalities in Perceptual Adaptation in Autism Do Not Extend to Perceptual Causality. PLoS ONE, 2015, 10, e0120439.	1.1	26
164	An adaptive approach to scale selection for line and edge detection. Pattern Recognition Letters, 1995, 16, 667-677.	2.6	25
165	Eye Movements: Keeping Vision Stable. Current Biology, 2004, 14, R195-R197.	1.8	25
166	Underestimation of perceived number at the time of saccades. Vision Research, 2011, 51, 34-42.	0.7	25
167	Active movement restores veridical event-timing after tactile adaptation. Journal of Neurophysiology, 2012, 108, 2092-2100.	0.9	25
168	Perceptual Oscillation of Audiovisual Time Simultaneity. ENeuro, 2018, 5, ENEURO.0047-18.2018.	0.9	25
169	Grouping strategies in number estimation extend the subitizing range. Scientific Reports, 2020, 10, 14979.	1.6	25
170	A preliminary investigation of neural function and dysfunction in amblyopiaâ€”III. Vision Research, 1980, 20, 757-760.	0.7	24
171	Neural latencies do not explain the auditory and audio-visual flash-lag effect. Vision Research, 2005, 45, 2917-2925.	0.7	24
172	Response: Visual number. Current Biology, 2008, 18, R857-R858.	1.8	24
173	Buildup of spatial information over time and across eye-movements. Behavioural Brain Research, 2014, 275, 281-287.	1.2	24
174	Cardinal axes for radial and circular motion, revealed by summation and by masking. Vision Research, 2001, 41, 473-481.	0.7	23
175	Cue Combination Within a Bayesian Framework. Springer Handbook of Auditory Research, 2019, , 9-31.	0.3	23
176	Capture and transparency in coarse quantized images. Vision Research, 1997, 37, 2609-2629.	0.7	22
177	Visual mislocalization during saccade sequences. Experimental Brain Research, 2015, 233, 577-585.	0.7	22
178	Visual acuity of neurones in the cat lateral suprasylvian cortex. Brain Research, 1985, 331, 382-385.	1.1	21
179	The contribution of prefrontal cortex to global perception. Experimental Brain Research, 2007, 181, 427-434.	0.7	20
180	Musical training generalises across modalities and reveals efficient and adaptive mechanisms for reproducing temporal intervals. Acta Psychologica, 2014, 147, 25-33.	0.7	20

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181	Time, number and attention in very low birth weight children. Neuropsychologia, 2015, 73, 60-69.	0.7	20
182	Adaptation-Induced Compression of Event Time Occurs Only for Translational Motion. Scientific Reports, 2016, 6, 23341.	1.6	20
183	Multisensory Integration Develops Late in Humans. Frontiers in Neuroscience, 2011, , 345-362.	0.0	20
184	Agnosia for global patterns: When the cross-talk between grouping and visual selective attention failS. Cognitive Neuropsychology, 2003, 20, 3-25.	0.4	19
185	Pooling and segmenting motion signals. Vision Research, 2009, 49, 1065-1072.	0.7	19
186	Tactile feedback improves auditory spatial localization. Frontiers in Psychology, 2014, 5, 1121.	1.1	19
187	Typical numerosity adaptation despite selectively impaired number acuity in dyscalculia. Neuropsychologia, 2018, 120, 43-49.	0.7	19
188	Powerful Motion Illusion Caused by Temporal Asymmetries in on and off Visual Pathways. Journal of Neurophysiology, 2006, 95, 3928-3932.	0.9	19
189	Illusory brightness step in the chevreul illusion. Vision Research, 1994, 34, 1567-1574.	0.7	18
190	Vision: The World through Picket Fences. Current Biology, 2004, 14, R381-R382.	1.8	18
191	Visual motion distorts visual and motor space. Journal of Vision, 2012, 12, 10-10.	0.1	18
192	Number, texture and crowding. Trends in Cognitive Sciences, 2012, 16, 196-197.	4.0	18
193	Numerical Estimation in Children With Autism. Autism Research, 2015, 8, 668-681.	2.1	18
194	Children do not recalibrate motorâ€sensory temporal order after exposure to delayed sensory feedback. Developmental Science, 2015, 18, 703-712.	1.3	18
195	Binocular rivalry in children on the autism spectrum. Autism Research, 2017, 10, 1096-1106.	2.1	18
196	Independent adaptation mechanisms for numerosity and size perception provide evidence against a common sense of magnitude. Scientific Reports, 2018, 8, 13571.	1.6	18
197	Spontaneous representation of numerosity in typical and dyscalculic development. Cortex, 2019, 114, 151-163.	1.1	18
198	The effect of optokinetic nystagmus on the perceived position of briefly flashed targets. Vision Research, 2007, 47, 861-868.	0.7	17

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199	The pupil responds spontaneously to perceived numerosity. Nature Communications, 2021, 12, 5944.	5.8	17
200	Response to Brock: noise and autism. Trends in Cognitive Sciences, 2012, 16, 574-575.	4.0	16
201	The visual component to saccadic compression. Journal of Vision, 2014, 14, 13-13.	0.1	16
202	Inversion of Perceived Direction of Motion Caused by Spatial Undersampling in Two Children with Periventricular Leukomalacia. Journal of Cognitive Neuroscience, 2008, 20, 1094-1106.	1.1	15
203	A low-cost and versatile system for projecting wide-field visual stimuli within fMRI scanners. Behavior Research Methods, 2016, 48, 614-620.	2.3	15
204	Audio-visual temporal perception in children with restored hearing. Neuropsychologia, 2017, 99, 350-359.	0.7	15
205	Adaptation to hand-tapping affects sensory processing of numerosity directly: evidence from reaction times and confidence. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20200801.	1.2	15
206	Serial effects are optimal. Behavioral and Brain Sciences, 2018, 41, e229.	0.4	15
207	Multisensory Integration Develops Late in Humans. Frontiers in Neuroscience, 2011, , 345-362.	0.0	15
208	A Spatial Illusion from Motion Rivalry. Perception, 1986, 15, 59-66.	0.5	14
209	The knowing visual self. Trends in Cognitive Sciences, 2008, 12, 363-364.	4.0	14
210	Ensemble perception of emotions in autistic and typical children and adolescents. Developmental Cognitive Neuroscience, 2017, 24, 51-62.	1.9	14
211	Vision: Modular analysis â€“ or not?. Current Biology, 1999, 9, R90-R92.	1.8	13
212	Spontaneous perception of numerosity in pre-school children. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191245.	1.2	13
213	Attraction to the recent past in aesthetic judgments: A positive serial dependence for rating artwork. Journal of Vision, 2019, 19, 19.	0.1	13
214	Different reaction-times for subitizing, estimation, and texture. Journal of Vision, 2019, 19, 14.	0.1	13
215	Resolution for spatial segregation and spatial localization by motion signals. Vision Research, 2006, 46, 932-939.	0.7	12
216	Fast saccadic eye-movements in humans suggest that numerosity perception is automatic and direct. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201884.	1.2	12

#	Article	IF	Citations
217	Perceptual Oscillations in Gender Classification of Faces, Contingent on Stimulus History. IScience, 2020, 23, 101573.	1.9	12
218	Groupitizing modifies neural coding of numerosity. Human Brain Mapping, 2022, 43, 915-928.	1.9	12
219	Perception: Transient Disruptions to Neural Spaceâ€“Time. Current Biology, 2006, 16, R847-R849.	1.8	11
220	Local and global visual processing. Vision Research, 1986, 26, 749-757.	0.7	10
221	Eye Movements: Building a Stable World from Glance to Glance. Current Biology, 2005, 15, R839-R840.	1.8	10
222	Temporal auditory capture does not affect the time course of saccadic mislocalization of visual stimuli. Journal of Vision, 2010, 10, 1-13.	0.1	10
223	Perceptual History Acts in World-Centred Coordinates. I-Perception, 2021, 12, 204166952110293.	0.8	10
224	Electro-physiological investigation of edge-selective mechanisms of human vision. Vision Research, 1992, 32, 239-247.	0.7	9
225	Response: â€˜Saccadic suppressionâ€™ â€“ no need for an active extra-retinal mechanism. Trends in Neurosciences, 2001, 24, 317-318.	4.2	9
226	Vision: Keeping the World Still When the Eyes Move. Current Biology, 2010, 20, R442-R444.	1.8	9
227	Visual size perception and haptic calibration during development. Developmental Science, 2012, 15, 854-862.	1.3	9
228	Location- and object-based attention enhance number estimation. Attention, Perception, and Psychophysics, 2021, 83, 7-17.	0.7	9
229	Grouping-Induced Numerosity Biases Vary with Autistic-Like Personality Traits. Journal of Autism and Developmental Disorders, 2022, 52, 1326-1333.	1.7	9
230	Groupitizing Improves Estimation of Numerosity of Auditory Sequences. Frontiers in Human Neuroscience, 2021, 15, 687321.	1.0	9
231	The Role of Features in Structuring Visual Images. Novartis Foundation Symposium, 1994, 184, 129-146.	1.2	9
232	Sensitivity to spatial phase at equiluminance. Vision Research, 1996, 36, 1153-1162.	0.7	8
233	Saccades Compress Space, Time, and Number. , 2011, , 175-186.		8
234	Long Integration Time for Accelerating and Decelerating Visual, Tactile and Visuo-tactile Stimuli. Multisensory Research, 2013, 26, 53-68.	0.6	8

#	Article	IF	Citations
235	The "motion silencing" illusion results from global motion and crowding. Journal of Vision, 2013, 13, 14-14.	0.1	8
236	Cortical BOLD responses to moderate- and high-speed motion in the human visual cortex. Scientific Reports, 2018, 8, 8357.	1.6	8
237	Adaptation to the Speed of Biological Motion in Autism. Journal of Autism and Developmental Disorders, 2020, 50, 373-385.	1.7	8
238	Pupillary Responses Obey Emmertâ€™s Law and Co-vary with Autistic Traits. Journal of Autism and Developmental Disorders, 2021, 51, 2908-2919.	1.7	8
239	Pupillometry correlates of visual priming, and their dependency on autistic traits. Journal of Vision, 2020, 20, 3.	0.1	8
240	Numerosity perception is tuned to salient environmental features. IScience, 2022, 25, 104104.	1.9	8
241	Development of visual inhibitory interactions in kittens. Visual Neuroscience, 1991, 7, 321-334.	0.5	7
242	Perceived timing of first- and second-order changes in vision and hearing. Experimental Brain Research, 2005, 166, 445-454.	0.7	7
243	The role of perceptual learning on modality-specific visual attentional effects. Vision Research, 2007, 47, 60-70.	0.7	7
244	Visual Perception: More Than Meets the Eye. Current Biology, 2011, 21, R159-R161.	1.8	7
245	Spatiotopic coding during dynamic head tilt. Journal of Neurophysiology, 2017, 117, 808-817.	0.9	7
246	Autism is associated with reduced ability to interpret grasping actions of others. Scientific Reports, 2017, 7, 12687.	1.6	7
247	Objective pupillometry shows that perceptual styles covary with autistic-like personality traits. ELife, 2021, 10, .	2.8	7
248	The Grouping-Induced Numerosity Illusion Is Attention-Dependent. Frontiers in Human Neuroscience, 2021, 15, 745188.	1.0	7
249	Electrophysiological correlates of positive and negative afterimages. Vision Research, 1987, 27, 201-207.	0.7	6
250	Keeping vision stable: rapid updating of spatiotopic receptive fields may cause relativistic-like effects. , 2010, , 52-62.		6
251	Near optimal encoding of numerosity in typical and dyscalculic development. Cortex, 2019, 120, 498-508.	1.1	6
252	Spontaneous pupillary oscillations increase during mindfulness meditation. Current Biology, 2020, 30, R1030-R1031.	1.8	6

#	Article	IF	Citations
253	Propagation and update of auditory perceptual priors through alpha and theta rhythms. European Journal of Neuroscience, 2022, 55, 3083-3099.	1.2	6
254	Multisensory Integration and Calibration in Adults and in Children. , 2011, , 173-194.		6
255	Visual Duration but Not Numerosity Is Distorted While Running. Brain Sciences, 2022, 12, 81.	1.1	6
256	Saccadic compression can improve detection of Glass patterns. Vision Research, 2002, 42, 1361-1366.	0.7	5
257	Adaptation to size affects saccades with long but not short latencies. Journal of Vision, 2016, 16, 2.	0.1	5
258	Inhibitory surrounds of motion mechanisms revealed by continuous tracking. Journal of Vision, 2018, 18, 7.	0.1	5
259	Time dilation effect in an active observer and virtual environment requires apparent motion: No dilation for retinal- or world-motion alone. Journal of Vision, 2019, 19, 4.	0.1	5
260	Pupil size automatically encodes numerosity. Journal of Vision, 2021, 21, 2302.	0.1	5
261	Evidence for a number sense. Behavioral and Brain Sciences, 2017, 40, e167.	0.4	5
262	The pattern electroretinogram in response to colour contrast in man and monkey. International Journal of Psychophysiology, 1994, 16, 185-189.	0.5	4
263	Visual attention. Vision Research, 2004, 44, 1189-1191.	0.7	4
264	Spatiotemporal dynamics of perisaccadic remapping in humans revealed by classification images. Journal of Vision, 2012, 12, 11-11.	0.1	4
265	Perception during interaction is not based on statistical context. , 2013, , .		4
266	Active Vision: Dynamic Reformatting of Visual Information by the Saccade-Drift Cycle. Current Biology, 2017, 27, R341-R344.	1.8	4
267	Uncertainty and Prior Assumptions, Rather Than Innate Logarithmic Encoding, Explain Nonlinear Number-to-Space Mapping. Psychological Science, 2022, 33, 121-134.	1.8	4
268	Noise and recognizability of coarse quantized images (reply). Nature, 1984, 308, 212-212.	13.7	3
269	Spatiotemporal filtering and motion illusions. Journal of Vision, 2013, 13, 21-21.	0.1	3
270	The dynamics of grouping-induced biases in apparent numerosity revealed by a continuous tracking technique. Journal of Vision, 2021, 21, 8.	0.1	3

#	Article	IF	Citations
271	A Mechanism for Detecting Coincidence of Auditory and Visual Spatial Signals. Multisensory Research, 2013, 26, 333-345.	0.6	2
272	Effect of presentation duration of artworks on aesthetic judgment and its positive serial dependence. Journal of Vision, 2019, 19, 96.	0.1	2
273	Motor adaptation affects perception of time and numerosity. Journal of Vision, 2019, 19, 164b.	0.1	2
274	Numbers in action. Behavioral and Brain Sciences, 2021, 44, e185.	0.4	2
275	Ideal observer analysis for continuous tracking experiments. Journal of Vision, 2022, 22, 3.	0.1	2
276	Contextual Information Modulates Pupil Size in Autistic Children. Frontiers in Neuroscience, 2022, 16, 752871.	1.4	2
277	Sounds right. Nature, 1995, 375, 176-176.	13.7	1
278	Fast Translational Motion, but not Radial, Circular or Biological Motion, Causes Spatially Selective Adaptation of Event Duration. Procedia, Social and Behavioral Sciences, 2014, 126, 123-124.	0.5	1
279	Visual Stability During Saccades is Achieved through Transient Changes in Perceptual Space and Time. Procedia, Social and Behavioral Sciences, 2014, 126, 94-95.	0.5	1
280	Visual Perception: To Curve or Not to Curve. Current Biology, 2018, 28, R150-R152.	1.8	1
281	Number cognition. Cortex, 2019, 114, 1-4.	1.1	1
282	Perception of geometric sequences and numerosity both predict formal geometric competence in primary school children. Scientific Reports, 2021, 11, 14243.	1.6	1
283	Space-time in the brain. , 2010, , 177-186.		1
284	Suppression of motion during saccades. Behavioral and Brain Sciences, 1996, 19, 551-552.	0.4	0
285	Vision senses number directly. Nature Precedings, 2009, , .	0.1	0
286	Optimal encoding of interval timing in expert percussionists. Nature Precedings, 2011, , .	0.1	0
287	Musical training generalises across modalities and revealsÂefficient and adaptive mechanisms for judgingÂtemporalÂintervals. Seeing and Perceiving, 2012, 25, 13.	0.4	0
288	Reprint of â€œInvestigating ensemble perception of emotions in autistic and typical children and adolescentsâ€• Developmental Cognitive Neuroscience, 2018, 29, 97-107.	1.9	0

#	Article	IF	Citations
289	The effect of grouping on numerosity judgment varies with the autism-spectrum personality traits, consistent with changes in local-global biases.. Journal of Vision, 2021, 21, 2612.	0.1	0
290	Spontaneous perception of numerosity in humans. Journal of Vision, 2017, 17, 744.	0.1	0
291	Adaptation to hand-tapping affects directly sensory processing of numerosity. Journal of Vision, 2020, 20, 1036.	0.1	0
292	Obituary. Perception, 2022, 51, 030100662210981.	0.5	0
293	Obituary. Perception, 2022, 51, 444-445.	0.5	0