David Burr

List of Publications by Year in descending order

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91	7,749	87843 38	54882 84
papers	citations	h-index	g-index

91	91	91	4907
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	A Visual Sense of Number. Current Biology, 2008, 18, 425-428.	1.8	537
4	Saccadic eye movements cause compression of time as well as space. Nature Neuroscience, 2005, 8, 950-954.	7.1	391
5	Motion smear. Nature, 1980, 284, 164-165.	13.7	308
6	Neural mechanisms for timing visual events are spatially selective in real-world coordinates. Nature Neuroscience, 2007, 10, 423-425.	7.1	230
7	Auditory dominance over vision in the perception of interval duration. Experimental Brain Research, 2009, 198, 49-57.	0.7	202
8	Motion psychophysics: 1985â€“2010. Vision Research, 2011, 51, 1431-1456.	0.7	192
9	Abnormal Adaptive Face-Coding Mechanisms in Children with Autism Spectrum Disorder. Current Biology, 2007, 17, 1508-1512.	1.8	169
10	Poor Haptic Orientation Discrimination in Nonsighted Children May Reflect Disruption of Cross-Sensory Calibration. Current Biology, 2010, 20, 223-225.	1.8	163
11	Visual aftereffects. Current Biology, 2009, 19, R11-R14.	1.8	158
12	Visual processing of motion. Trends in Neurosciences, 1986, 9, 304-307.	4.2	142
13	Serial dependencies act directly on perception. Journal of Vision, 2017, 17, 6.	0.1	139
14	Development of Visuo-Auditory Integration in Space and Time. Frontiers in Integrative Neuroscience, 2012, 6, 77.	1.0	131
15	Separate attentional resources for vision and audition. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 1339-1345.	1.2	120
16	No direction-specific bimodal facilitation for audiovisual motion detection. Cognitive Brain Research, 2004, 19, 185-194.	3.3	110
17	The â€œFlash-Lagâ€•Effect Occurs in Audition and Cross-Modally. Current Biology, 2003, 13, 59-63.	1.8	102
18	Different coding strategies for the perception of stable and changeable facial attributes. Scientific Reports, 2016, 6, 32239.	1.6	102

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19	Suppression of the magnocellular pathway during saccades. Behavioural Brain Research, 1996, 80, 1-8.	1.2	92
20	Central tendency effects in time interval reproduction in autism. Scientific Reports, 2016, 6, 28570.	1.6	88
21	Chapter 14 Combining visual and auditory information. Progress in Brain Research, 2006, 155, 243-258.	0.9	87
22	Effect of Saccadic Adaptation on Localization of Visual Targets. Journal of Neurophysiology, 2005, 93, 3605-3614.	0.9	86
23	Temporal Coding of Visual Space. Trends in Cognitive Sciences, 2018, 22, 883-895.	4.0	75
24	Perceptual synchrony of audiovisual streams for natural and artificial motion sequences. Journal of Vision, 2006, 6, 6.	0.1	73
25	Vision: Efficient Adaptive Coding. Current Biology, 2014, 24, R1096-R1098.	1.8	73
26	No rapid audiovisual recalibration in adults on the autism spectrum. Scientific Reports, 2016, 6, 21756.	1.6	62
27	Early visual deprivation severely compromises the auditory sense of space in congenitally blind children.. Developmental Psychology, 2016, 52, 847-853.	1.2	61
28	Spatiotopic neural representations develop slowly across saccades. Current Biology, 2013, 23, R193-R194.	1.8	59
29	Predictive coding of multisensory timing. Current Opinion in Behavioral Sciences, 2016, 8, 200-206.	2.0	59
30	Vision and Audition Do Not Share Attentional Resources in Sustained Tasks. Frontiers in Psychology, 2011, 2, 56.	1.1	55
31	Spatiotopic perceptual maps in humans: evidence from motion adaptation. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 3091-3097.	1.2	55
32	Perceived duration of Visual and Tactile Stimuli Depends on Perceived Speed. Frontiers in Integrative Neuroscience, 2011, 5, 51.	1.0	53
33	Motion vision: Are â€˜speed linesâ€™ used in human visual motion?. Current Biology, 2000, 10, R440-R443.	1.8	51
34	Higher-level mechanisms detect facial symmetry. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 1379-1384.	1.2	51
35	Temporal mechanisms of multimodal binding. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 1761-1769.	1.2	47
36	Visual size perception and haptic calibration during development. Developmental Science, 2012, 15, 854-862.	1.3	43

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37	Cross-Sensory Facilitation Reveals Neural Interactions between Visual and Tactile Motion in Humans. Frontiers in Psychology, 2011, 2, 55.	1.1	41
38	"Non-retinotopic processing" in Ternus motion displays modeled by spatiotemporal filters. Journal of Vision, 2012, 12, 10-10.	0.1	41
39	Meaningful auditory information enhances perception of visual biological motion. Journal of Vision, 2009, 9, 25-25.	0.1	40
40	Adaptation Affects Both High and Low (Subitized) Numbers Under Conditions of High Attentional Load. Seeing and Perceiving, 2011, 24, 141-150.	0.4	40
41	Serial dependence in perception requires conscious awareness. Current Biology, 2020, 30, R257-R258.	1.8	39
42	Impaired visual size-discrimination in children with movement disorders. Neuropsychologia, 2012, 50, 1838-1843.	0.7	37
43	The light-from-above prior is intact in autistic children. Journal of Experimental Child Psychology, 2017, 161, 113-125.	0.7	37
44	Past visual experiences weigh in on body size estimation. Scientific Reports, 2018, 8, 215.	1.6	37
45	A featureâ€“based model of symmetry detection. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 1727-1733.	1.2	36
46	Time Perception: Spaceâ€“Time in the Brain. Current Biology, 2006, 16, R171-R173.	1.8	36
47	Spatiotopic Visual Maps Revealed by Saccadic Adaptation in Humans. Current Biology, 2011, 21, 1380-1384.	1.8	35
48	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
49	Development of context dependency in human space perception. Experimental Brain Research, 2014, 232, 3965-3976.	0.7	33
50	Contextual effects in interval-duration judgements in vision, audition and touch. Experimental Brain Research, 2013, 230, 87-98.	0.7	29
51	Direct and Indirect Haptic Calibration of Visual Size Judgments. PLoS ONE, 2011, 6, e25599.	1.1	28
52	Atypicalities in Perceptual Adaptation in Autism Do Not Extend to Perceptual Causality. PLoS ONE, 2015, 10, e0120439.	1.1	26
53	Active movement restores veridical event-timing after tactile adaptation. Journal of Neurophysiology, 2012, 108, 2092-2100.	0.9	25
54	Neural latencies do not explain the auditory and audio-visual flash-lag effect. Vision Research, 2005, 45, 2917-2925.	0.7	24

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55	Response: Visual number. Current Biology, 2008, 18, R857-R858.	1.8	24
56	Cue Combination Within a Bayesian Framework. Springer Handbook of Auditory Research, 2019, , 9-31.	0.3	23
57	Visual mislocalization during saccade sequences. Experimental Brain Research, 2015, 233, 577-585.	0.7	22
58	Musical training generalises across modalities and reveals efficient and adaptive mechanisms for reproducing temporal intervals. Acta Psychologica, 2014, 147, 25-33.	0.7	20
59	Multisensory Integration Develops Late in Humans. Frontiers in Neuroscience, 2011, , 345-362.	0.0	20
60	Tactile feedback improves auditory spatial localization. Frontiers in Psychology, 2014, 5, 1121.	1.1	19
61	Vision: The World through Picket Fences. Current Biology, 2004, 14, R381-R382.	1.8	18
62	Visual motion distorts visual and motor space. Journal of Vision, 2012, 12, 10-10.	0.1	18
63	Number, texture and crowding. Trends in Cognitive Sciences, 2012, 16, 196-197.	4.0	18
64	Numerical Estimation in Children With Autism. Autism Research, 2015, 8, 668-681.	2.1	18
65	Children do not recalibrate motorâ€sensory temporal order after exposure to delayed sensory feedback. Developmental Science, 2015, 18, 703-712.	1.3	18
66	Binocular rivalry in children on the autism spectrum. Autism Research, 2017, 10, 1096-1106.	2.1	18
67	The pupil responds spontaneously to perceived numerosity. Nature Communications, 2021, 12, 5944.	5.8	17
68	Response to Brock: noise and autism. Trends in Cognitive Sciences, 2012, 16, 574-575.	4.0	16
69	Audio-visual temporal perception in children with restored hearing. Neuropsychologia, 2017, 99, 350-359.	0.7	15
70	Multisensory Integration Develops Late in Humans. Frontiers in Neuroscience, 2011, , 345-362.	0.0	15
71	The knowing visual self. Trends in Cognitive Sciences, 2008, 12, 363-364.	4.0	14
72	Ensemble perception of emotions in autistic and typical children and adolescents. Developmental Cognitive Neuroscience, 2017, 24, 51-62.	1.9	14

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73	Vision: Modular analysis â€“ or not?. Current Biology, 1999, 9, R90-R92.	1.8	13
74	Resolution for spatial segregation and spatial localization by motion signals. Vision Research, 2006, 46, 932-939.	0.7	12
75	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
76	Perception: Transient Disruptions to Neural Spaceâ€“Time. Current Biology, 2006, 16, R847-R849.	1.8	11
77	Visual size perception and haptic calibration during development. Developmental Science, 2012, 15, 854-862.	1.3	9
78	The "motion silencing" illusion results from global motion and crowding. Journal of Vision, 2013, 13, 14-14.	0.1	8
79	Adaptation to the Speed of Biological Motion in Autism. Journal of Autism and Developmental Disorders, 2020, 50, 373-385.	1.7	8
80	Perceived timing of first- and second-order changes in vision and hearing. Experimental Brain Research, 2005, 166, 445-454.	0.7	7
81	Visual Perception: More Than Meets the Eye. Current Biology, 2011, 21, R159-R161.	1.8	7
82	Saccadic compression can improve detection of Glass patterns. Vision Research, 2002, 42, 1361-1366.	0.7	5
83	Adaptation to size affects saccades with long but not short latencies. Journal of Vision, 2016, 16, 2.	0.1	5
84	Spatiotemporal dynamics of perisaccadic remapping in humans revealed by classification images. Journal of Vision, 2012, 12, 11-11.	0.1	4
85	Spatiotemporal filtering and motion illusions. Journal of Vision, 2013, 13, 21-21.	0.1	3
86	A Mechanism for Detecting Coincidence of Auditory and Visual Spatial Signals. Multisensory Research, 2013, 26, 333-345.	0.6	2
87	Young children do not integrate visual and haptic information. Nature Precedings, 2008, , .	0.1	1
88	Cross-modal facilitation of visual and tactile motion. Nature Precedings, 2008, , .	0.1	0
89	Vision senses number directly. Nature Precedings, 2009, , .	0.1	0
90	Optimal encoding of interval timing in expert percussionists. Nature Precedings, 2011, , .	0.1	0

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91	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