

Paul E Dux

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

4,534
citations

126907

33
h-index

118850

62
g-index

113
all docs

113
docs citations

113
times ranked

3966
citing authors

#	ARTICLE	IF	CITATIONS
1	The attentional blink: A review of data and theory. <i>Attention, Perception, and Psychophysics</i> , 2009, 71, 1683-1700.	1.3	464
2	Applications of transcranial direct current stimulation for understanding brain function. <i>Trends in Neurosciences</i> , 2014, 37, 742-753.	8.6	414
3	Isolation of a Central Bottleneck of Information Processing with Time-Resolved fMRI. <i>Neuron</i> , 2006, 52, 1109-1120.	8.1	304
4	The Neural Correlates of Third-Party Punishment. <i>Neuron</i> , 2008, 60, 930-940.	8.1	291
5	Training Improves Multitasking Performance by Increasing the Speed of Information Processing in Human Prefrontal Cortex. <i>Neuron</i> , 2009, 63, 127-138.	8.1	250
6	A Unified attentional bottleneck in the human brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13426-13431.	7.1	180
7	Cognitive Load Disrupts Implicit Theory-of-Mind Processing. <i>Psychological Science</i> , 2012, 23, 842-847.	3.3	115
8	A temporally sustained implicit theory of mind deficit in autism spectrum disorders. <i>Cognition</i> , 2013, 129, 410-417.	2.2	107
9	Eye movements reveal sustained implicit processing of others' mental states.. <i>Journal of Experimental Psychology: General</i> , 2012, 141, 433-438.	2.1	94
10	Improved multitasking following prefrontal tDCS. <i>Cortex</i> , 2013, 49, 2845-2852.	2.4	88
11	What do we know about implicit false-belief tracking?. <i>Psychonomic Bulletin and Review</i> , 2015, 22, 1-12.	2.8	71
12	Accounting for individual differences in the response to tDCS with baseline levels of neurochemical excitability. <i>Cortex</i> , 2019, 115, 324-334.	2.4	66
13	Computations underlying confidence in visual perception.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2016, 42, 671-682.	0.9	63
14	Implicit false-belief processing in the human brain. <i>NeuroImage</i> , 2014, 101, 268-275.	4.2	59
15	Current evidence for automatic Theory of Mind processing in adults. <i>Cognition</i> , 2017, 162, 27-31.	2.2	58
16	Task instructions and implicit theory of mind. <i>Cognition</i> , 2014, 133, 43-47.	2.2	56
17	Modulating brain activity and behaviour with tDCS: Rumours of its death have been greatly exaggerated. <i>Cortex</i> , 2020, 123, 141-151.	2.4	56
18	State-dependent effects of neural stimulation on brain function and cognition. <i>Nature Reviews Neuroscience</i> , 2022, 23, 459-475.	10.2	56

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19	The efficacy of transcranial direct current stimulation to prefrontal areas is related to underlying cortical morphology. <i>NeuroImage</i> , 2019, 196, 41-48.	4.2	54
20	Distractor Inhibition Predicts Individual Differences in the Attentional Blink. <i>PLoS ONE</i> , 2008, 3, e3330.	2.5	52
21	Understanding recovery from object substitution masking. <i>Cognition</i> , 2012, 122, 405-415.	2.2	51
22	Training conquers multitasking costs by dividing task representations in the frontoparietal-subcortical system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14372-14377.	7.1	50
23	Neural Responses to Target Features outside a Search Array Are Enhanced during Conjunction but Not Unique-Feature Search. <i>Journal of Neuroscience</i> , 2014, 34, 3390-3401.	3.6	49
24	Detecting Unattended Stimuli Depends on the Phase of Prestimulus Neural Oscillations. <i>Journal of Neuroscience</i> , 2018, 38, 3092-3101.	3.6	49
25	Delayed Reentrant Processing Impairs Visual Awareness. <i>Psychological Science</i> , 2010, 21, 1242-1247.	3.3	47
26	Disrupting Prefrontal Cortex Prevents Performance Gains from Sensory-Motor Training. <i>Journal of Neuroscience</i> , 2013, 33, 18654-18660.	3.6	47
27	Orientation-invariant object recognition: evidence from repetition blindness. <i>Cognition</i> , 2005, 95, 73-93.	2.2	46
28	Distinct roles of theta and alpha oscillations in the involuntary capture of goal-directed attention. <i>NeuroImage</i> , 2017, 152, 171-183.	4.2	46
29	Amodal Processing in Human Prefrontal Cortex. <i>Journal of Neuroscience</i> , 2013, 33, 11573-11587.	3.6	43
30	On the role of working memory in spatial contextual cueing. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2013, 39, 208-219.	0.9	43
31	An attentional blink for sequentially presented targets: Evidence in favor of resource depletion accounts. <i>Psychonomic Bulletin and Review</i> , 2008, 15, 809-813.	2.8	42
32	The Attentional Blink Impairs Detection and Delays Encoding of Visual Information: Evidence from Human Electrophysiology. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 720-735.	2.3	40
33	The Meaning of the Mask Matters: Evidence of Conceptual Interference in the Attentional Blink. <i>Psychological Science</i> , 2005, 16, 775-779.	3.3	39
34	Substituting objects from consciousness: A review of object substitution masking. <i>Psychonomic Bulletin and Review</i> , 2013, 20, 859-877.	2.8	39
35	On the relationship between response selection and response inhibition: An individual differences approach. <i>Attention, Perception, and Psychophysics</i> , 2016, 78, 2420-2432.	1.3	37
36	Anodal tDCS applied during multitasking training leads to transferable performance gains. <i>Scientific Reports</i> , 2017, 7, 12988.	3.3	34

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37	Different attentional blink tasks reflect distinct information processing limitations: An individual differences approach.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2011, 37, 1867-1873.	0.9	32
38	Improvements in Attention and Decision-Making Following Combined Behavioral Training and Brain Stimulation. <i>Cerebral Cortex</i> , 2016, 27, 3675-3682.	2.9	31
39	Sparing from the attentional blink is not spared from structural limitations. <i>Psychonomic Bulletin and Review</i> , 2012, 19, 232-238.	2.8	30
40	Do implicit and explicit belief processing share neural substrates?. <i>Human Brain Mapping</i> , 2017, 38, 4760-4772.	3.6	30
41	The influence of tDCS intensity on decision-making training and transfer outcomes. <i>Journal of Neurophysiology</i> , 2021, 125, 385-397.	1.8	29
42	On the failure of distractor inhibition in the attentional blink. <i>Psychonomic Bulletin and Review</i> , 2007, 14, 723-728.	2.8	28
43	Both exogenous and endogenous target salience manipulations support resource depletion accounts of the attentional blink: A reply to Olivers, Spalek, Kawahara, and Di Lollo (2009). <i>Psychonomic Bulletin and Review</i> , 2009, 16, 219-224.	2.8	27
44	For a minute there, I lost myself dosage dependent increases in mind wandering via prefrontal tDCS. <i>Neuropsychologia</i> , 2019, 129, 379-384.	1.6	26
45	Evidence against benefits from cognitive training and transcranial direct current stimulation in healthy older adults. <i>Nature Human Behaviour</i> , 2021, 5, 146-158.	12.0	26
46	Viewpoint costs occur during consolidation: Evidence from the attentional blink. <i>Cognition</i> , 2007, 104, 47-58.	2.2	25
47	On the fate of distractor stimuli in rapid serial visual presentation. <i>Cognition</i> , 2006, 99, 355-382.	2.2	24
48	Size (mostly) doesn't matter: the role of set size in object substitution masking. <i>Attention, Perception, and Psychophysics</i> , 2014, 76, 1620-1629.	1.3	24
49	Dissociable effects of anodal and cathodal tDCS reveal distinct functional roles for right parietal cortex in the detection of single and competing stimuli. <i>Neuropsychologia</i> , 2015, 74, 120-126.	1.6	24
50	Prefrontal Cortex Structure Predicts Training-Induced Improvements in Multitasking Performance. <i>Journal of Neuroscience</i> , 2016, 36, 2638-2645.	3.6	23
51	Awareness is related to reduced post-stimulus alpha power: a report inattentive blindness study. <i>European Journal of Neuroscience</i> , 2020, 52, 4411-4422.	2.6	23
52	Orientation Sensitivity at Different Stages of Object Processing: Evidence from Repetition Priming and Naming. <i>PLoS ONE</i> , 2008, 3, e2256.	2.5	23
53	Individual differences within and across attentional blink tasks revisited. <i>Attention, Perception, and Psychophysics</i> , 2013, 75, 456-467.	1.3	21
54	Object substitution masking for an attended and foveated target.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2015, 41, 6-10.	0.9	21

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55	Causal evidence of right temporal parietal junction involvement in implicit Theory of Mind processing. <i>NeuroImage</i> , 2019, 196, 329-336.	4.2	21
56	Competing for consciousness: Prolonged mask exposure reduces object substitution masking.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2011, 37, 588-596.	0.9	18
57	Working Memory Encoding Delays Top-down Attention to Visual Cortex. <i>Journal of Cognitive Neuroscience</i> , 2011, 23, 2593-2604.	2.3	18
58	Priming from distractors in rapid serial visual presentation is modulated by image properties and attention.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2010, 36, 1595-1608.	0.9	17
59	Implicit semantic perception in object substitution masking. <i>Cognition</i> , 2011, 118, 130-134.	2.2	16
60	Distinct neural networks for target feature versus dimension changes in visual search, as revealed by EEG and fMRI. <i>NeuroImage</i> , 2014, 102, 798-808.	4.2	16
61	Enhanced frontal activation underlies sparing from the attentional blink: Evidence from human electrophysiology. <i>Psychophysiology</i> , 2016, 53, 623-633.	2.4	16
62	Implicit false belief tracking is preserved in late adulthood. <i>Quarterly Journal of Experimental Psychology</i> , 2018, 71, 1980-1987.	1.1	16
63	Dissociable effects of tDCS polarity on latent decision processes are associated with individual differences in neurochemical concentrations and cortical morphology. <i>Neuropsychologia</i> , 2020, 141, 107433.	1.6	16
64	Distributed and Overlapping Neural Substrates for Object Individuation and Identification in Visual Short-Term Memory. <i>Cerebral Cortex</i> , 2016, 26, bhu212.	2.9	15
65	On the costs of lag-1 sparing.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2014, 40, 416-428.	0.9	15
66	Transferability of Training Benefits Differs across Neural Events: Evidence from ERPs. <i>Journal of Cognitive Neuroscience</i> , 2015, 27, 2079-2094.	2.3	15
67	Turning objects on their heads: The influence of the stored axis on object individuation. <i>Perception & Psychophysics</i> , 2005, 67, 1010-1015.	2.3	14
68	Repetition blindness is immune to the central bottleneck. <i>Psychonomic Bulletin and Review</i> , 2007, 14, 729-734.	2.8	14
69	Distinct roles of the intraparietal sulcus and temporoparietal junction in attentional capture from distractor features: An individual differences approach. <i>Neuropsychologia</i> , 2015, 74, 50-62.	1.6	14
70	Stimulating task unrelated thoughts: tDCS of prefrontal and parietal cortices leads to polarity specific increases in mind wandering. <i>Neuropsychologia</i> , 2021, 151, 107723.	1.6	14
71	Self-directed speech and self-regulation in childhood neurodevelopmental disorders: Current findings and future directions. <i>Development and Psychopathology</i> , 2020, 32, 205-217.	2.3	14
72	Neural correlates of goal-directed enhancement and suppression of visual stimuli in the absence of conscious perception. <i>Attention, Perception, and Psychophysics</i> , 2019, 81, 1346-1364.	1.3	13

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73	Uncertainty information that is irrelevant for report impacts confidence judgments.. Journal of Experimental Psychology: Human Perception and Performance, 2018, 44, 1981-1994.	0.9	13
74	Distinct contributions of attention and working memory to visual statistical learning and ensemble processing.. Journal of Experimental Psychology: Human Perception and Performance, 2015, 41, 1112-1123.	0.9	12
75	Effects of Orthographic and Phonological Word Length on Memory for Lists Shown at RSVP and STM Rates.. Journal of Experimental Psychology: Learning Memory and Cognition, 2004, 30, 815-826.	0.9	11
76	Dynamic, continuous multitasking training leads to task-specific improvements but does not transfer across action selection tasks. Npj Science of Learning, 2017, 2, 14.	2.8	11
77	Transcranial direct current stimulation of superior medial frontal cortex disrupts response selection during proactive response inhibition. NeuroImage, 2017, 158, 455-465.	4.2	10
78	From eyes to hands: Transfer of learning in the Simon task across motor effectors. Attention, Perception, and Psychophysics, 2018, 80, 193-210.	1.3	10
79	Electrophysiological correlates of incidentally learned expectations in human vision. Journal of Neurophysiology, 2018, 119, 1461-1470.	1.8	10
80	Transfer of training benefits requires rules we cannot see (or hear).. Journal of Experimental Psychology: Human Perception and Performance, 2016, 42, 1148-1157.	0.9	9
81	Repetition blindness and repetition priming: Effects of featural differences between targets and distractors on RSVP dual-target search. Memory and Cognition, 2008, 36, 776-790.	1.6	8
82	Make a lasting impression: The neural consequences of re�encountering people who emote inappropriately. Psychophysiology, 2012, 49, 1571-1578.	2.4	8
83	On the relationship between GABA+ and glutamate across the brain. NeuroImage, 2022, 257, 119273.	4.2	8
84	Attentional asymmetries in a visual orienting task are related to temperament. Cognition and Emotion, 2012, 26, 1508-1515.	2.0	7
85	Early information processing contributions to object individuation revealed by perception of illusory figures. Journal of Neurophysiology, 2016, 116, 2513-2522.	1.8	6
86	Cathodal electrical stimulation of frontoparietal cortex disrupts statistical learning of visual configural information. Cortex, 2018, 99, 187-199.	2.4	6
87	Causal evidence for dissociable roles of the prefrontal and superior medial frontal cortices in decision strategies.. Journal of Experimental Psychology: Human Perception and Performance, 2021, 47, 518-528.	0.9	6
88	Causal involvement of visual area MT in global feature-based enhancement but not contingent attentional capture. NeuroImage, 2015, 118, 90-102.	4.2	5
89	Preschool children�™s private speech content and performance on executive functioning and problem-solving tasks. Cognitive Development, 2021, 60, 101116.	1.3	5
90	Re-examining the influence of attention and consciousness on visual afterimage duration.. Journal of Experimental Psychology: Human Perception and Performance, 2017, 43, 1944-1949.	0.9	5

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91	The neural basis of temporal individuation and its capacity limits in the human brain. <i>Journal of Neurophysiology</i> , 2014, 111, 499-512.	1.8	4
92	The role of executive attention in object substitution masking. <i>Attention, Perception, and Psychophysics</i> , 2017, 79, 1070-1077.	1.3	4
93	Distributed and opposing effects of incidental learning in the human brain. <i>NeuroImage</i> , 2018, 173, 351-360.	4.2	4
94	Age-related differences in the role of the prefrontal cortex in sensory-motor training gains: A tDCS study. <i>Neuropsychologia</i> , 2021, 158, 107891.	1.6	4
95	Decision-making training reduces the attentional blink.. <i>Journal of Experimental Psychology: Human Perception and Performance</i> , 2018, 44, 195-205.	0.9	4
96	Task difficulty and private speech in typically developing and at-risk preschool children. <i>Journal of Child Language</i> , 2022, , 1-28.	1.2	4
97	The neural basis of temporal individuation and its capacity limits in the human brain. <i>Journal of Neurophysiology</i> , 2017, 118, 2601-2613.	1.8	3
98	Rapid learning of rapid temporal contexts. <i>Psychonomic Bulletin and Review</i> , 2010, 17, 417-420.	2.8	2
99	Training attenuates the influence of sensory uncertainty on confidence estimation. <i>Attention, Perception, and Psychophysics</i> , 2020, 82, 2630-2640.	1.3	2
100	Effects of tDCS on visual statistical learning. <i>Neuropsychologia</i> , 2020, 148, 107652.	1.6	1
101	The Neural Correlates of Third-Party Punishment. , 2011, , 115-140.		1
102	Confidence in the mind's eye. <i>Journal of Vision</i> , 2015, 15, 289.	0.3	1
103	Exploring the Higher-Order Cognitive Capacities of Sports Coaches. <i>International Sport Coaching Journal</i> , 2021, , 1-7.	0.7	1
104	Getting back from the basics: What is the role for attention and fronto-parietal circuits in consciousness?. <i>Behavioral and Brain Sciences</i> , 2016, 39, e175.	0.7	0
105	Decoding early and late cortical contributions to individuation of attended and unattended objects. <i>Cortex</i> , 2018, 99, 45-54.	2.4	0
106	Attentional Tuning Resets after Failures of Perceptual Awareness. <i>PLoS ONE</i> , 2013, 8, e60623.	2.5	0
107	Early Cortical Contributions to Object Individuation. <i>Journal of Vision</i> , 2015, 15, 905.	0.3	0
108	On the Influence of Spatial and Value Attentional Cues Across Individuals. <i>Journal of Cognition</i> , 2022, 5, .	1.4	0