Richard P Heitz

List of Publications by Year
in descending order

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25 papers	3,783 citations	361413 20 h-index	642732 23 g-index
27 all docs	27 docs citations	27 times ranked	3801 citing authors

#	Article	IF	Citations
1	Monitoring and proactive control of visual search speed-accuracy tradeoff by supplementary eye field. Journal of Vision, 2019, 19, 144c.	0.3	0
2	Neural mechanisms of speed-accuracy tradeoff of visual search: saccade vigor, the origin of targeting errors, and comparison of the superior colliculus and frontal eye field. Journal of Neurophysiology, 2018, 120, 372-384.	1.8	33
3	Toward a unified view of the speed-accuracy trade-off. Frontiers in Neuroscience, 2015, 9, 139.	2.8	11
4	The speed-accuracy tradeoff: history, physiology, methodology, and behavior. Frontiers in Neuroscience, 2014, 8, 150.	2.8	502
5	Neural chronometry and coherency across speedâ€“accuracy demands reveal lack of homomorphism between computational and neural mechanisms of evidence accumulation. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20130071.	4.0	37
6	Homologous Mechanisms of Visuospatial Working Memory Maintenance in Macaque and Human: Properties and Sources. Journal of Neuroscience, 2012, 32, 7711-7722.	3.6	71
7	Response variability of frontal eye field neurons modulates with sensory input and saccade preparation but not visual search salience. Journal of Neurophysiology, 2012, 108, 2737-2750.	1.8	38
8	Neural Mechanisms of Speed-Accuracy Tradeoff. Neuron, 2012, 76, 616-628.	8.1	305
9	Effects of sleep deprivation on cognitive performance by United States Air Force pilots.. Journal of Applied Research in Memory and Cognition, 2012, 1, 27-33.	1.1	32
10	Neural mechanisms of saccade target selection: gated accumulator model of the visualâ€“motor cascade. European Journal of Neuroscience, 2011, 33, 1991-2002.	2.6	82
11	Neurally constrained modeling of perceptual decision making.. Psychological Review, 2010, 117, 1113-1143.	3.8	307
12	Cooperation and Competition among Frontal Eye Field Neurons during Visual Target Selection. Journal of Neuroscience, 2010, 30, 3227-3238.	3.6	46
13	Neural Correlates of Correct and Errant Attentional Selection Revealed Through N2pc and Frontal Eye Field Activity. Journal of Neurophysiology, 2010, 104, 2433-2441.	1.8	41
14	Reply to Balan and Gottlieb. Journal of Neurophysiology, 2009, 102, 1342-1343.	1.8	2
15	On the Origin of Event-Related Potentials Indexing Covert Attentional Selection During Visual Search. Journal of Neurophysiology, 2009, 102, 2375-2386.	1.8	58
16	A touch screen based Stop Signal Response Task in rhesus monkeys for studying impulsivity associated with chronic cocaine self-administration. Journal of Neuroscience Methods, 2009, 177, 67-72.	2.5	38
17	Complex working memory span tasks and higher-order cognition: A latent-variable analysis of the relationship between processing and storage. Memory, 2009, 17, 635-654.	1.7	321
18	Neural Basis of the Set-Size Effect in Frontal Eye Field: Timing of Attention During Visual Search. Journal of Neurophysiology, 2009, 101, 1699-1704.	1.8	73

#	Article	IF	Citations
19	Biophysical Support for Functionally Distinct Cell Types in the Frontal Eye Field. Journal of Neurophysiology, 2009, 101, 912-916.	1.8	42
20	Effects of incentive on working memory capacity: Behavioral and pupillometric data. Psychophysiology, 2008, 45, 119-129.	2.4	97
21	Focusing the spotlight: Individual differences in visual attention control.. Journal of Experimental Psychology: General, 2007, 136, 217-240.	2.1	175
22	Working memory, executive function, and general fluid intelligence are not the same. Behavioral and Brain Sciences, 2006, 29, 135-136.	0.7	47
23	An automated version of the operation span task. Behavior Research Methods, 2005, 37, 498-505.	4.0	1,344
24	Working Memory Capacity in Hot and Cold Cognition. , 2005, , 19-43.		32
25	Individual differences in the fan effect and working memory capacity. Journal of Memory and Language, 2004, 51, 604-622.	2.1	48