Matthew Collett

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/11617226/publications.pdf

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20 papers	1,649 citations	567144 15 h-index	752573 20 g-index
20 all docs	20 docs citations	20 times ranked	906 citing authors

#	Article	IF	Citations
1	Memory use in insect visual navigation. Nature Reviews Neuroscience, 2002, 3, 542-552.	4.9	329
2	Spatial Memory in Insect Navigation. Current Biology, 2013, 23, R789-R800.	1.8	276
3	How do insects use path integration for their navigation?. Biological Cybernetics, 2000, 83, 245-259.	0.6	273
4	Calibration of vector navigation in desert ants. Current Biology, 1999, 9, 1031-S1.	1.8	110
5	How desert ants use a visual landmark for guidance along a habitual route. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11638-11643.	3.3	106
6	The use of landmarks and panoramic context in the performance of local vectors by navigating honeybees. Journal of Experimental Biology, 2002, 205, 807-814.	0.8	104
7	How Navigational Guidance Systems Are Combined in a Desert Ant. Current Biology, 2012, 22, 927-932.	1.8	97
8	The use of landmarks and panoramic context in the performance of local vectors by navigating honeybees. Journal of Experimental Biology, 2002, 205, 807-14.	0.8	54
9	The learning and maintenance of local vectors in desert ant navigation. Journal of Experimental Biology, 2009, 212, 895-900.	0.8	43
10	How does the insect central complex use mushroom body output for steering?. Current Biology, 2018, 28, R733-R734.	1.8	40
11	How do insects represent familiar terrain?. Journal of Physiology (Paris), 2004, 98, 259-264.	2.1	39
12	Spatial memories in insects. Current Biology, 2009, 19, R1103-R1108.	1.8	32
13	Insect Navigation: Measuring Travel Distance across Ground and through Air. Current Biology, 2006, 16, R887-R890.	1.8	31
14	Local and global navigational coordinate systems in desert ants. Journal of Experimental Biology, 2009, 212, 901-905.	0.8	29
15	Insect Navigation: No Map at the End of the Trail?. Current Biology, 2006, 16, R48-R51.	1.8	28
16	A desert ant's memory of recent visual experience and the control of route guidance. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140634.	1.2	19
17	Animal Navigation: Following Signposts in the Sea. Current Biology, 2011, 21, R843-R846.	1.8	11
18	Insect Navigation: What Backward Walking Reveals about the Control of Movement. Current Biology, 2017, 27, R141-R144.	1.8	11

#	Article	IF	Citations
19	Route-segment odometry and its interactions with global path-integration. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2015, 201, 617-630.	0.7	9
20	Navigation: Many Senses Make Efficient Foraging Paths. Current Biology, 2014, 24, R362-R364.	1.8	8