

Jochen Smolka

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8597419/publications.pdf>

Version: 2024-02-01

20
papers

784
citations

516215

16
h-index

752256

20
g-index

21
all docs

21
docs citations

21
times ranked

567
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural coding underlying the cue preference for celestial orientation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11395-11400.	3.3	166
2	Topography of vision and behaviour. Journal of Experimental Biology, 2009, 212, 3522-3532.	0.8	62
3	Diurnal dung beetles use the intensity gradient and the polarization pattern of the sky for orientation. Journal of Experimental Biology, 2014, 217, 2422-9.	0.8	61
4	The role of the sun in the celestial compass of dung beetles. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130036.	1.8	59
5	The Dung Beetle Dance: An Orientation Behaviour?. PLoS ONE, 2012, 7, e30211.	1.1	42
6	Natural visual cues eliciting predator avoidance in fiddler crabs. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 3584-3592.	1.2	39
7	How animals follow the stars. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172322.	1.2	39
8	Dung beetles ignore landmarks for straight-line orientation. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2013, 199, 17-23.	0.7	38
9	Stellar performance: mechanisms underlying Milky Way orientation in dung beetles. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160079.	1.8	33
10	The sea urchin <i>Diadema africanum</i> uses low resolution vision to find shelter and deter enemies. Journal of Experimental Biology, 2018, 221, .	0.8	31
11	Quantifying biologically essential aspects of environmental light. Journal of the Royal Society Interface, 2021, 18, 20210184.	1.5	31
12	Light pollution forces a change in dung beetle orientation behavior. Current Biology, 2021, 31, 3935-3942.e3.	1.8	31
13	Dung beetles use their dung ball as a mobile thermal refuge. Current Biology, 2012, 22, R863-R864.	1.8	28
14	Low resolution vision in a velvet worm (Onychophora). Journal of Experimental Biology, 2018, 221, .	0.8	28
15	Night sky orientation with diurnal and nocturnal eyes: dim-light adaptations are critical when the moon is out of sight. Animal Behaviour, 2016, 111, 127-146.	0.8	26
16	A new galloping gait in an insect. Current Biology, 2013, 23, R913-R915.	1.8	25
17	Orienting to polarized light at night – matching lunar skylight to performance in a nocturnal beetle. Journal of Experimental Biology, 2019, 222, .	0.8	15
18	Resolving the Trade-off Between Visual Sensitivity and Spatial Acuity – Lessons from Hawkmoths. Integrative and Comparative Biology, 2017, 57, 1093-1103.	0.9	14

#	ARTICLE	IF	CITATIONS
19	Flicker is part of a multi-cue response criterion in fiddler crab predator avoidance. <i>Journal of Experimental Biology</i> , 2013, 216, 1219-24.	0.8	12
20	Seeing the world through the eyes of a butterfly: visual ecology of the territorial males of <i>Pararge aegeria</i> (Lepidoptera: Nymphalidae). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2021, 207, 701-713.	0.7	4