Matthew Cobb

List of Publications by Year
in descending order

46 papers	2,124 citations	304368 22 h-index	264894 42 g-index
54 all docs	54 docs citations	54 times ranked	2082 citing authors

#	Article	IF	Citations
1	Drosophila Cuticular Hydrocarbons Revisited: Mating Status Alters Cuticular Profiles. PLoS ONE, 2010, 5, e9607.	1.1	240
2	The red flour beetle's large nose: An expanded odorant receptor gene family in Tribolium castaneum. Insect Biochemistry and Molecular Biology, 2008, 38, 387-397.	1.2	225
3	Pheromones, mate recognition and courtship stimulation in the Drosophila melanogaster species sub-group. Animal Behaviour, 1990, 39, 1058-1067.	0.8	175
4	Sex, age and ovarian activity affect cuticular hydrocarbons in Diacamma ceylonense, a queenless ant. Journal of Insect Physiology, 2001, 47, 485-493.	0.9	163
5	An Inhibitory Sex Pheromone Tastes Bitter for Drosophila Males. PLoS ONE, 2007, 2, e661.	1.1	125
6	60 years ago, Francis Crick changed the logic of biology. PLoS Biology, 2017, 15, e2003243.	2.6	106
7	What and how do maggots smell?. Biological Reviews, 1999, 74, 425-459.	4.7	87
8	Who discovered messenger RNA?. Current Biology, 2015, 25, R526-R532.	1.8	72
9	Evolution and genetic control of mate recognition and stimulation in Drosophila. Behavioural Processes, 1995, 35, 35-54.	0.5	71
10	Regulation of reproduction in a queenless ant: aggression, pheromones and reduction in conflict. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 1295-1300.	1.2	68
11	Incipient speciation in Drosophila melanogaster involves chemical signals. Scientific Reports, 2012, 2, 224.	1.6	63
12	Species-specific effects of single sensillum ablation on mating position in Drosophila. Journal of Experimental Biology, 2003, 206, 3095-3100.	0.8	57
13	The prehistory of biology preprints: AÂforgotten experiment from the 1960s. PLoS Biology, 2017, 15, e2003995.	2.6	53
14	Exorcizing the animal spirits: Jan Swammerdam on nerve function. Nature Reviews Neuroscience, 2002, 3, 395-400.	4.9	51
15	The Structure of Courtship in the Drosophila Melanogaster Species Sub-Group. Behaviour, 1986, 97, 182-211.	0.4	46
16	Desiccation resistance: effect of cuticular hydrocarbons and water content inDrosophila melanogasteradults. PeerJ, 2018, 6, e4318.	0.9	44
17	Dog paw preference shows lability and sex differences. Behavioural Processes, 2006, 73, 216-221.	0.5	43
18	Behavioral and evolutionary roles of cuticular hydrocarbons in Diptera. , 0, , 325-343.		41

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19	Olfactory coding in a simple system: adaptation inDrosophilalarvae. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 2119-2125.	1.2	38
20	Malpighi, Swammerdam and the Colourful Silkworm: Replication and Visual Representation in Early Modern Science. Annals of Science, 2002, 59, 111-147.	0.2	35
21	Olfactory coding in Drosophila larvae investigated by cross-adaptation. Journal of Experimental Biology, 2005, 208, 3483-3491.	0.8	35
22	Global Survey of Variation in a Human Olfactory Receptor Gene Reveals Signatures of Non-Neutral Evolution. Chemical Senses, 2015, 40, 481-488.	1.1	31
23	Multiple genetic control of acetate-induced olfactory responses in Drosophila melanogaster larvae. Heredity, 1994, 73, 444-455.	1.2	28
24	Precise and Fuzzy Coding by Olfactory Sensory Neurons. Journal of Neuroscience, 2008, 28, 9710-9722.	1.7	24
25	Modeling Peripheral Olfactory Coding in Drosophila Larvae. PLoS ONE, 2011, 6, e22996.	1.1	22
26	1953: When Genes Became â€œInformationâ€• Cell, 2013, 153, 503-506.	13.5	21
27	Heredity before genetics: a history. Nature Reviews Genetics, 2006, 7, 953-958.	7.7	20
28	Reading and writing The Book of Nature: Jan Swammerdam (1637â€“1680). Endeavour, 2000, 24, 122-128.	0.1	18
29	Oswald Avery, DNA, and the transformation of biology. Current Biology, 2014, 24, R55-R60.	1.8	17
30	Reproductive conflicts and mutilation in queenless Diacamma ants. Animal Behaviour, 2006, 72, 305-311.	0.8	16
31	Chemical stimuli induce courtship dominance in Drosophila. Current Biology, 2005, 15, R790-R792.	1.8	14
32	Pre-imaginal conditioning alters adult sex pheromone response in Drosophila. PeerJ, 2018, 6, e5585.	0.9	12
33	Morphological variations in the pre-imaginal development of the ponerine ant Diacamma ceylonense. Acta Zoologica, 2005, 86, 25-31.	0.6	10
34	A gene mutation which changed animal behaviour: Margaret Bastock and the yellow fly. Animal Behaviour, 2007, 74, 163-169.	0.8	9
35	The behaviour of Drosophila melanogaster maggots is affected by social, physiological and temporal factors. Animal Behaviour, 2008, 75, 1619-1628.	0.8	9
36	The peripheral olfactory code in Drosophila larvae contains temporal information and is robust over multiple timescales. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160665.	1.2	9

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37	Gustation in Drosophila melanogaster. SEB Experimental Biology Series, 2009, 63, 1-38.	0.1	9
38	Factors affecting the biosynthesis and emission of a Drosophila pheromone. Journal of Experimental Biology, 2022, 225, .	0.8	4
39	Pycnogonids. Current Biology, 2010, 20, R591-R593.	1.8	3
40	A Speculative History of DNA: What If Oswald Avery Had Died in 1934?. PLoS Biology, 2016, 14, e2001197.	2.6	3
41	Commentary: Through a glass, darklyâ€"Dick Lewontinâ€™s 1968 lecture on human genetics. International Journal of Epidemiology, 2016, 45, 664-666.	0.9	1
42	Drosophila Courtship: Neuronal Coordination of Behavioural Sequences and a 60-Year-Old Hypothesis. Current Biology, 2019, 29, R250-R252.	1.8	1
43	Stegosaurs. Current Biology, 2009, 19, R1102-R1103.	1.8	0
44	A breakthrough from 60 years ago: â€œGeneral nature of the genetic code for proteinsâ€•(1961). Natural Sciences, 2021, 1, e10018.	1.0	0
45	A dangerous, wrong or unneeded experiment? Donâ€™t do it. Nature, 2021, 594, 496-496.	13.7	0
46	Are there any good experiments that should not be done?. PLoS Biology, 2022, 20, e3001539.	2.6	0