Amanda Dawn Melin

List of Publications by Year
in descending order

88	2,670	201674	223800
papers	citations	27 h-index	46 g-index

95	95	95	2288
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of colour vision phenotype on insect capture by a free-ranging population of white-faced capuchins, Cebus capucinus. Animal Behaviour, 2007, 73, 205-214.	1.9	141
2	Comparative ACE2 variation and primate COVID-19 risk. Communications Biology, 2020, 3, 641.	4.4	121
3	Seasonality, extractive foraging and the evolution of primate sensorimotor intelligence. Journal of Human Evolution, 2014, 71, 77-86.	2.6	113
4	Reproductive Seasonality in Female Capuchins (Cebus capucinus) in Santa Rosa (Area de ConservaciÃ³n) Tj ETQq0 0 0 rgBT /Overlock 10	1.9	109
5	Colour and odour drive fruit selection and seed dispersal by mouse lemurs. Scientific Reports, 2013, 3, 2424.	3.3	103
6	Importance of Achromatic Contrast in Short-Range Fruit Foraging of Primates. PLoS ONE, 2008, 3, e3356.	2.5	91
7	Why Ayeâ€Ayes See Blue. American Journal of Primatology, 2012, 74, 185-192.	1.7	91
8	An Explicit Signature of Balancing Selection for Color-Vision Variation in New World Monkeys. Molecular Biology and Evolution, 2010, 27, 453-464.	8.9	84
9	Seasonality of the gut microbiota of free-ranging white-faced capuchins in a tropical dry forest. ISME Journal, 2019, 13, 183-196.	9.8	83
10	Fig Foraging by Dichromatic and Trichromatic Cebus capucinus in a Tropical Dry Forest. International Journal of Primatology, 2009, 30, 753-775.	1.9	73
11	Evolutionary renovation of <scp>L</scp>/<scp>M</scp> opsin polymorphism confers a fruit discrimination advantage to ateline <scp>N</scp>ew <scp>W</scp>orld monkeys. Molecular Ecology, 2014, 23, 1799-1812.	3.9	72
12	The Behavioral Ecology of Color Vision: Considering Fruit Conspicuity, Detection Distance and Dietary Importance. International Journal of Primatology, 2014, 35, 258-287.	1.9	71
13	Interplay of olfaction and vision in fruit foraging of spider monkeys. Animal Behaviour, 2009, 77, 1421-1426.	1.9	69
14	Genomic analysis reveals hidden biodiversity within colugos, the sister group to primates. Science Advances, 2016, 2, e1600633.	10.3	64
15	Polymorphic color vision in white-faced capuchins (Cebus capucinus): Is there foraging niche divergence among phenotypes?. Behavioral Ecology and Sociobiology, 2008, 62, 659-670.	1.4	57
16	Can color vision variation explain sex differences in invertebrate foraging by capuchin monkeys?. Environmental Epigenetics, 2010, 56, 300-312.	1.8	57
17	Trichromacy increases fruit intake rates of wild capuchins (Cebus capucinus imitator). Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10402-10407.	7.1	55
18	Drivers of home range characteristics across spatiotemporal scales in a Neotropical primate, Cebus capucinus. Animal Behaviour, 2014, 91, 93-109.	1.9	54

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19	Anointing variation across wild capuchin populations: a review of material preferences, bout frequency and anointing sociality in Cebus and Sapajus. American Journal of Primatology, 2012, 74, 299-314.	1.7	42
20	Age and sex-associated variation in the multi-site microbiome of an entire social group of free-ranging rhesus macaques. Microbiome, 2021, 9, 68.	11.1	42
21	Frugivores and the evolution of fruit colour. Biology Letters, 2018, 14, 20180377.	2.3	36
22	Experimental evidence that primate trichromacy is well suited for detecting primate social colour signals. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162458.	2.6	35
23	Food search through the eyes of a monkey: A functional substitution approach for assessing the ecology of primate color vision. Vision Research, 2013, 86, 87-96.	1.4	34
24	Inferred L/M cone opsin polymorphism of ancestral tarsiers sheds dim light on the origin of anthropoid primates. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130189.	2.6	34
25	Technical Note: Calcium and carbon stable isotope ratios as paleodietary indicators. American Journal of Physical Anthropology, 2014, 154, 633-643.	2.1	34
26	Fruit scent and observer colour vision shape food-selection strategies in wild capuchin monkeys. Nature Communications, 2019, 10, 2407.	12.8	34
27	The genomics of ecological flexibility, large brains, and long lives in capuchin monkeys revealed with fecalFACS. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	34
28	Polymorphic Color Vision in Primates: Evolutionary Considerations. Primatology Monographs, 2012, , 93-120.	0.8	33
29	Sensory integration during foraging: the importance of fruit hardness, colour, and odour to brown lemurs. Behavioral Ecology and Sociobiology, 2015, 69, 1855-1865.	1.4	28
30	Evolution of the primate glutamate taste sensor from a nucleotide sensor. Current Biology, 2021, 31, 4641-4649.e5.	3.9	28
31	Zebra Stripes through the Eyes of Their Predators, Zebras, and Humans. PLoS ONE, 2016, 11, e0145679.	2.5	28
32	Quantifying seasonal fallback on invertebrates, pith, and bromeliad leaves by whiteâ€faced capuchin monkeys (<scp>C</scp>ebus capucinus) in a tropical dry forest. American Journal of Physical Anthropology, 2015, 158, 67-77.	2.1	27
33	Visual ecology of true lemurs suggests a cathemeral origin for the primate cone opsin polymorphism. Functional Ecology, 2016, 30, 932-942.	3.6	27
34	The Heterozygote Superiority Hypothesis for Polymorphic Color Vision Is Not Supported by Long-Term Fitness Data from Wild Neotropical Monkeys. PLoS ONE, 2014, 9, e84872.	2.5	23
35	Murine and related chapparvoviruses are nephro-tropic and produce novel accessory proteins in infected kidneys. PLoS Pathogens, 2020, 16, e1008262.	4.7	23
36	Euarchontan Opsin Variation Brings New Focus to Primate Origins. Molecular Biology and Evolution, 2016, 33, 1029-1041.	8.9	22

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37	Howler monkey foraging ecology suggests convergent evolution of routine trichromacy as an adaptation for folivory. Ecology and Evolution, 2017, 7, 1421-1434.	1.9	22
38	Primate life history, social dynamics, ecology, and conservation: Contributions from longâ€term research in Ã•rea de ConservaciÃ³n Guanacaste, Costa Rica. Biotropica, 2020, 52, 1041-1064.	1.6	22
39	Differential impact of severe drought on infant mortality in two sympatric neotropical primates. Royal Society Open Science, 2020, 7, 200302.	2.4	22
40	Colour vision variation in leafâ€nosed bats (Phyllostomidae): Links to cave roosting and dietary specialization. Molecular Ecology, 2018, 27, 3627-3640.	3.9	21
41	Genetic evidence of widespread variation in ethanol metabolism among mammals: revisiting the â€˜myth' of natural intoxication. Biology Letters, 2020, 16, 20200070.	2.3	21
42	Differential segmental growth of the vertebral column of the rat (Rattus norvegicus). Zoology, 2006, 109, 54-65.	1.2	20
43	Fruit Ripening Signals and Cues in a Madagascan Dry Forest: Haptic Indicators Reliably Indicate Fruit Ripeness to Dichromatic Lemurs. Evolutionary Biology, 2016, 43, 344-355.	1.1	20
44	Male endocrine response to seasonally varying environmental and social factors in a neotropical primate, Cebus capucinus. American Journal of Physical Anthropology, 2016, 159, 671-682.	2.1	20
45	Using urinary parameters to estimate seasonal variation in the physical condition of female whiteâ€faced capuchin monkeys (Cebus capucinus imitator). American Journal of Physical Anthropology, 2017, 163, 707-715.	2.1	20
46	Platyrrhine color signals: New horizons to pursue. Evolutionary Anthropology, 2019, 28, 236-248.	3.4	20
47	Seasonal importance of flowers to Costa Rican capuchins (Cebus capucinus imitator): Implications for plant and primate. American Journal of Physical Anthropology, 2016, 161, 591-602.	2.1	19
48	Dichromatic vision in a fruit bat with diurnal proclivities: the Samoan flying fox (Pteropus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (Physiology, 2014, 200, 1015-1022.	1.6	17
49	Niche convergence suggests functionality of the nocturnal fovea. Frontiers in Integrative Neuroscience, 2014, 8, 61.	2.1	16
50	Do Oxygen Isotope Values in Collagen Reflect the Ecology and Physiology of Neotropical Mammals?. Frontiers in Ecology and Evolution, 2015, 3, .	2.2	16
51	Small to modest impact of social group on the gut microbiome of wild Costa Rican capuchins in a seasonal forest. American Journal of Primatology, 2019, 81, e22985.	1.7	16
52	Fermented food consumption in wild nonhuman primates and its ecological drivers. American Journal of Physical Anthropology, 2021, 175, 513-530.	2.1	16
53	The nutritional importance of invertebrates to female Cebus capucinus imitator in a highly seasonal tropical dry forest. American Journal of Physical Anthropology, 2019, 170, 207-216.	2.1	14
54	The Genetic Basis of Primate Behavior: Genetics and Genomics in Field-Based Primatology. International Journal of Primatology, 2014, 35, 1-10.	1.9	13

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55	Itâ€™s Not Easy Being Blue: Are There Olfactory and Visual Trade-Offs in Plant Signalling?. PLoS ONE, 2015, 10, e0131725.	2.5	13
56	Evolution of Genes for Color Vision and the Chemical Senses in Primates. Evolutionary Studies, 2017, , 181-216.	0.1	13
57	Genomic signatures of high-altitude adaptation and chromosomal polymorphism in geladas. Nature Ecology and Evolution, 2022, 6, 630-643.	7.8	13
58	Figs Are More Than Fallback Foods: The Relationship betweenFicusandCebusin a Tropical Dry Forest. International Journal of Zoology, 2011, 2011, 1-10.	0.8	12
59	Variation in ligand responses of the bitter taste receptors TAS2R1 and TAS2R4 among New World monkeys. BMC Evolutionary Biology, 2016, 16, 208.	3.2	11
60	On the trail of primate scent signals: A field analysis of callitrichid scentâ€gland secretions by portable gas chromatographyâ€mass spectrometry. American Journal of Primatology, 2021, 83, e23236.	1.7	11
61	Less is more: lemurs (Eulemur spp.) may benefit from loss of trichromatic vision. Behavioral Ecology and Sociobiology, 2019, 73, 1.	1.4	10
62	Non-invasive estimation of the costs of feeding competition in a neotropical primate. Hormones and Behavior, 2020, 118, 104632.	2.1	10
63	Sharing spaces: niche differentiation in diet and substrate use among wild capuchin monkeys. Animal Behaviour, 2021, 179, 317-338.	1.9	10
64	Two hundred and five newly assembled mitogenomes provide mixed evidence for rivers as drivers of speciation for Amazonian primates. Molecular Ecology, 2022, 31, 3888-3902.	3.9	10
65	Data Collection in Field Primatology: A Renewed Look at Measuring Foraging Behaviour. Developments in Primatology, 2018, , 161-192.	0.1	9
66	Unveiling patterns of genetic variation in parasiteâ€“host associations: an example with pinworms and Neotropical primates. Parasitology, 2019, 146, 356-362.	1.5	9
67	MAMMALIAN POSTNATAL GROWTH ESTIMATES: THE INFLUENCE OF WEANING ON THE CHOICE OF A COMPARATIVE METRIC. Journal of Mammalogy, 2005, 86, 1042-1049.	1.3	8
68	Intra- and Interannual Variation in the Fruit Diet of Wild Capuchins: Impact of Plant Phenology. Developments in Primatology, 2018, , 193-212.	0.1	8
69	Dietary Profile, Food Composition, and Nutritional Intake of Female White-Faced Capuchins. Developments in Primatology, 2018, , 213-243.	0.1	8
70	Polymorphism and Adaptation of Primate Colour Vision. , 2012, , 225-241.		7
71	Variation in predicted COVIDâ€19 risk among lemurs and lorises. American Journal of Primatology, 2021, 83, e23255.	1.7	7
72	Liminal Light and Primate Evolution. Annual Review of Anthropology, 2020, 49, 257-276.	1.5	6

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73	Testing the niche differentiation hypothesis in wild capuchin monkeys with polymorphic color vision. Behavioral Ecology, 2021, 32, 599-608.	2.2	6
74	Using cytochomec to monitor electron transport and inhibition in beef heart submitochondrial particles. Biochemistry and Molecular Biology Education, 2004, 32, 39-44.	1.2	5
75	Infant cannibalism in wild whiteâ€faced capuchin monkeys. Ecology and Evolution, 2020, 10, 12679-12684.	1.9	5
76	Assessing urinary odours across the oestrous cycle in a mouse model using portable and benchtop gas chromatography-mass spectrometry. Royal Society Open Science, 2021, 8, 210172.	2.4	5
77	SARSâ€CoVâ€2 and wastewater: What does it mean for nonâ€human primates?. American Journal of Primatology, 2022, 84, e23340.	1.7	5
78	Variation and heritability of retinal cone ratios in a freeâ€ranging population of rhesus macaques. Evolution; International Journal of Organic Evolution, 2022, 76, 1776-1789.	2.3	5
79	Recently Integrated Alu Elements in Capuchin Monkeys: A Resource for Cebus/Sapajus Genomics. Genes, 2022, 13, 572.	2.4	4
80	Amplification Dynamics of Platy-1 Retrotransposons in the Cebidae Platyrrhine Lineage. Genome Biology and Evolution, 2019, 11, 1105-1116.	2.5	3
81	Genetic variation of olfactory receptor gene family in a Japanese population. Anthropological Science, 2022, 130, 93-106.	0.4	3
82	Aeroscapes and the Sensory Ecology of Olfaction in a Tropical Dry Forest. Frontiers in Ecology and Evolution, 2022, 10, .	2.2	3
83	Visual detection and fruit selection by the mantled howler monkey (Alouatta palliata). American Journal of Primatology, 2020, 82, e23186.	1.7	2
84	Promise and prospects in primate pelage research: a comment on Caro et al.. Behavioral Ecology, 2021, 32, 570-570.	2.2	2
85	Major histocompatibility complex class II DR and DQ evolution and variation in wild capuchin monkey species (Cebinae). PLoS ONE, 2021, 16, e0254604.	2.5	2
86	Opsin genes of select treeshrews resolve ancestral character states within Scandentia. Royal Society Open Science, 2019, 6, 182037.	2.4	0
87	Hominoidea Sensory Systems. , 2021, , 1-6.		0
88	Hominoidea Sensory Systems. , 2022, , 3172-3177.		0