Brenda McCowan

List of Publications by Year
in descending order

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107	4,558	101543	114465
papers	citations	36 h-index	63 g-index

111	111	111	3905
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sex Differences in Hierarchical Stability in a Formation of a Mixed-sex Group of Rhesus Macaques. Journal of the American Association for Laboratory Animal Science, 2022, 61, 67-74.	1.2	0
2	Measuring dominance certainty and assessing its impact on individual and societal health in a nonhuman primate model: a network approach. Philosophical Transactions of the Royal Society B: Biological Sciences, 2022, 377, 20200438.	4.0	15
3	Parallels of human language in the behavior of bottlenose dolphins. Linguistic Frontiers, 2022, 5, 5-11.	0.1	1
4	Impact of joint interactions with humans and social interactions with conspecifics on the risk of zooanthroponotic outbreaks among wildlife populations. Scientific Reports, 2022, 12, .	3.3	4
5	Infant Survival Among Free-Living Bonnet Macaques (Macaca radiata) in South India. International Journal of Primatology, 2021, 42, 220-236.	1.9	8
6	Prevalence of Enterobacteriaceae in Wild Long-Tailed Macaques (Macaca fascicularis) in Thailand. International Journal of Primatology, 2021, 42, 337-341.	1.9	2
7	Recommendations for Abnormal Behaviour Ethograms in Monkey Research. Animals, 2021, 11, 1461.	2.3	7
8	Addressing the challenges of research on human-wildlife interactions using the concept of Coupled Natural & Human Systems. Biological Conservation, 2021, 257, 109095.	4.1	13
9	Monkeyâ€™s Social Roles Predict Their Affective Reactivity. Affective Science, 2021, 2, 230-240.	2.6	1
10	Female social structure influences, and is influenced by, male introduction and integration success among captive rhesus macaques (Macaca mulatta). Behaviour, 2021, 158, 1007-1042.	0.8	3
11	Factors influencing the success of male introductions into groups of female rhesus macaques: Introduction technique, male characteristics and female behavior. American Journal of Primatology, 2021, 83, e23314.	1.7	3
12	Implementing social network analysis to understand the socioecology of wildlife coâ€•occurrence and joint interactions with humans in anthropogenic environments. Journal of Animal Ecology, 2021, 90, 2819-2833.	2.8	5
13	Sex differences in the impact of social status on hair cortisol concentrations in rhesus monkeys (Macaca mulatta). American Journal of Primatology, 2020, 82, e23086.	1.7	11
14	Individuals in urban dwelling primate species face unequal benefits associated with living in an anthropogenic environment. Primates, 2020, 61, 249-255.	1.1	25
15	Improved behavioral indices of welfare in continuous compared to intermittent pairâ€housing in adult female rhesus macaques (Macaca mulatta). American Journal of Primatology, 2020, 82, e23189.	1.7	8
16	A Psychometrically Robust Screening Tool To Rapidly Identify Socially Impaired Monkeys In The General Population. Autism Research, 2020, 13, 1465-1475.	3.8	14
17	Impact of anthropogenic factors on affiliative behaviors among bonnet macaques. American Journal of Physical Anthropology, 2020, 171, 704-717.	2.1	15
18	Impact of individual demographic and social factors on humanâ€“wildlife interactions: a comparative study of three macaque species. Scientific Reports, 2020, 10, 21991.	3.3	23

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19	A multiplex centrality metric for complex social networks: sex, social status, and family structure predict multiplex centrality in rhesus macaques. PeerJ, 2020, 8, e8712.	2.0	15
20	Consensus ranking for multi-objective interventions in multiplex networks. New Journal of Physics, 2019, 21, 055001.	2.9	13
21	Time constraints imposed by anthropogenic environments alter social behaviour in longtailed macaques. Animal Behaviour, 2019, 150, 157-165.	1.9	36
22	Affiliation and disease risk: social networks mediate gut microbial transmission among rhesus macaques. Animal Behaviour, 2019, 151, 131-143.	1.9	28
23	Interactions with humans impose time constraints on urban-dwelling rhesus macaques (Macaca) Tj ETQq1 1 0.784314 rgBT /Overlock	0.8	15
24	Increased produce enrichment reduces trauma in sociallyâ€housed captive rhesus macaques (Macaca) Tj ETQq0 0 0 rgBT /Overlock 10	1.7	6
25	Assessing Transmission of Antimicrobial-Resistant Escherichia coli in Wild Giraffe Contact Networks. Applied and Environmental Microbiology, 2019, 85, .	3.1	9
26	High rates of aggression do not predict rates of trauma in captive groups of macaques. Applied Animal Behaviour Science, 2019, 212, 82-89.	1.9	11
27	Male-inflicted wounds have opposite effects on hair cortisol for captive male and female rhesus macaques (Macaca mulatta) following new group formation. Primates, 2019, 60, 51-62.	1.1	13
28	Rates of humanâ€“macaque interactions affect grooming behavior among urbanâ€dwelling rhesus macaques (Macaca mulatta). American Journal of Physical Anthropology, 2019, 168, 92-103.	2.1	36
29	Social management of laboratory rhesus macaques housed in large groups using a network approach: A review. Behavioural Processes, 2018, 156, 77-82.	1.1	15
30	The influence of phylogeny, social style, and sociodemographic factors on macaque social network structure. American Journal of Primatology, 2018, 80, e22727.	1.7	52
31	Coping style and cortisol levels in infancy predict hair cortisol following new group formation in captive rhesus macaques (Macaca mulatta). American Journal of Primatology, 2018, 80, e22938.	1.7	6
32	Social network community structure and the contact-mediated sharing of commensalE. coliamong captive rhesus macaques (Macaca mulatta). PeerJ, 2018, 6, e4271.	2.0	21
33	Intermittent pairâ€housing, pair relationship qualities, and HPA activity in adult female rhesus macaques. American Journal of Primatology, 2018, 80, e22762.	1.7	7
34	Personality, environmental stressors, and diarrhea in Rhesus macaques : An interactionist perspective. American Journal of Primatology, 2018, 80, e22908.	1.7	18
35	From patterned response dependency to structured covariate dependency: Entropy based categorical-pattern-matching. PLoS ONE, 2018, 13, e0198253.	2.5	16
36	Predictors of insubordinate aggression among captive female rhesus macaques. American Journal of Physical Anthropology, 2017, 164, 558-573.	2.1	3

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37	Effects of Human Management Events on Conspecific Aggression in Captive Rhesus Macaques (). Journal of the American Association for Laboratory Animal Science, 2017, 56, 122-130.	1.2	1
38	Connections Matter: Social Networks and Lifespan Health in Primate Translational Models. Frontiers in Psychology, 2016, 7, 433.	2.1	28
39	Social power, conflict policing, and the role of subordination signals in rhesus macaque society. American Journal of Physical Anthropology, 2016, 160, 102-112.	2.1	19
40	Prevalence of enteric bacterial parasites with respect to anthropogenic factors among commensal rhesus macaques in Dehradun, India. Primates, 2016, 57, 459-469.	1.1	11
41	Acoustic sequences in nonâ€human animals: a tutorial review and prospectus. Biological Reviews, 2016, 91, 13-52.	10.4	213
42	The â€œstrength of weak tiesâ€•and helminth parasitism in giraffe social networks. Behavioral Ecology, 2016, 27, 1190-1197.	2.2	33
43	Decoupling social status and status certainty effects on health in macaques: a network approach. PeerJ, 2016, 4, e2394.	2.0	44
44	Social bufferingandcontact transmission: network connections have beneficial and detrimental effects onShigellainfection risk among captive rhesus macaques. PeerJ, 2016, 4, e2630.	2.0	47
45	Effect of Indoor Compared with Outdoor Location during Gestation on the Incidence of Diarrhea in Indoor-Reared Rhesus Macaques (Macaca mulatta). Journal of the American Association for Laboratory Animal Science, 2016, 55, 277-90.	1.2	3
46	Detection of social group instability among captive rhesus macaques using joint network modeling. Environmental Epigenetics, 2015, 61, 70-84.	1.8	46
47	Cryptosporidium rubeyi n. sp. (Apicomplexa: Cryptosporidiidae) in multiple Spermophilus ground squirrel species. International Journal for Parasitology: Parasites and Wildlife, 2015, 4, 343-350.	1.5	34
48	Humanâ€“wildlife conflict: Proximate predictors of aggression between humans and rhesus macaques in <scp>I</scp>ndia. American Journal of Physical Anthropology, 2015, 156, 286-294.	2.1	31
49	Systemic Testing on Bradley-Terry Model against Nonlinear Ranking Hierarchy. PLoS ONE, 2014, 9, e115367.	2.5	5
50	Depressive-like behavioral response of adult male rhesus monkeys during routine animal husbandry procedure. Frontiers in Behavioral Neuroscience, 2014, 8, 309.	2.0	40
51	Signaling context modulates social function of silent baredâ€teeth displays in rhesus macaques (Macaca mulatta). American Journal of Primatology, 2014, 76, 111-121.	1.7	35
52	Multilevel social organization and space use in reticulated giraffe (Giraffa camelopardalis). Behavioral Ecology, 2014, 25, 17-26.	2.2	87
53	Antibiotic-resistant E. coli in surface water and groundwater in dairy operations in Northern California. Environmental Monitoring and Assessment, 2014, 186, 1253-1260.	2.7	57
54	Linking social and pathogen transmission networks using microbial genetics in giraffe (<scp>G</scp>iraffa camelopardalis). Journal of Animal Ecology, 2014, 83, 406-414.	2.8	177

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55	Quantifying microbe transmission networks for wild and domestic ungulates in Kenya. Biological Conservation, 2014, 169, 136-146.	4.1	66
56	Computing systemic risk using multiple behavioral and keystone networks: The emergence of a crisis in primate societies and banks. International Journal of Forecasting, 2014, 30, 797-806.	6.5	14
57	Effects of a mechanical response-contingent surrogate on the development of behaviors in nursery-reared rhesus macaques (Macaca mulatta). Journal of the American Association for Laboratory Animal Science, 2014, 53, 464-71.	1.2	5
58	Network structure and prevalence of Cryptosporidium in Beldingâ€™s ground squirrels. Behavioral Ecology and Sociobiology, 2013, 67, 1951-1959.	1.4	52
59	The effects of predictability in daily husbandry routines on captive rhesus macaques (Macaca mulatta). Applied Animal Behaviour Science, 2013, 143, 117-127.	1.9	43
60	Risk factors for stereotypic behavior and selfâ€biting in rhesus macaques (Macaca mulatta): Animal's history, current environment, and personality. American Journal of Primatology, 2013, 75, 995-1008.	1.7	122
61	Joint Modeling of Multiple Social Networks to Elucidate Primate Social Dynamics: I. Maximum Entropy Principle and Network-Based Interactions. PLoS ONE, 2013, 8, e51903.	2.5	14
62	Multi-Scale Clustering by Building a Robust and Self Correcting Ultrametric Topology on Data Points. PLoS ONE, 2013, 8, e56259.	2.5	24
63	Policing in Nonhuman Primates: Partial Interventions Serve a Prosocial Conflict Management Function in Rhesus Macaques. PLoS ONE, 2013, 8, e77369.	2.5	41
64	The span of correlations in dolphin whistle sequences. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P06002.	2.3	18
65	Using Markov chain Monte Carlo (MCMC) to visualize and test the linearity assumption of the Bradleyâ€“Terry class of models. Animal Behaviour, 2012, 84, 1523-1531.	1.9	5
66	Implementing positive reinforcement animal training programs at primate laboratories. Applied Animal Behaviour Science, 2012, 137, 114-126.	1.9	38
67	How can social network analysis contribute to social behavior research in applied ethology?. Applied Animal Behaviour Science, 2012, 138, 152-161.	1.9	99
68	Network Stability Is a Balancing Act of Personality, Power, and Conflict Dynamics in Rhesus Macaque Societies. PLoS ONE, 2011, 6, e22350.	2.5	65
69	Acoustic monitoring in terrestrial environments using microphone arrays: applications, technological considerations and prospectus. Journal of Applied Ecology, 2011, 48, 758-767.	4.0	449
70	Early rearing interacts with temperament and housing to influence the risk for motor stereotypy in rhesus monkeys (Macaca mulatta). Applied Animal Behaviour Science, 2011, 132, 81-89.	1.9	54
71	Human-directed contra-aggression training using positive reinforcement with single and multiple trainers for indoor-housed rhesus macaques. Applied Animal Behaviour Science, 2011, 132, 178-186.	1.9	17
72	Early social experience affects behavioral and physiological responsiveness to stressful conditions in infant rhesus macaques (Macaca mulatta). American Journal of Primatology, 2011, 73, 692-701.	1.7	37

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73	Information theory, animal communication, and the search for extraterrestrial intelligence. Acta Astronautica, 2011, 68, 406-417.	3.2	23
74	Computing a ranking network with confidence bounds from a graph-based Beta random field. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2011, 467, 3590-3612.	2.1	16
75	Detecting Instability in Animal Social Networks: Genetic Fragmentation Is Associated with Social Instability in Rhesus Macaques. PLoS ONE, 2011, 6, e16365.	2.5	52
76	Ranking Network of a Captive Rhesus Macaque Society: A Sophisticated Corporative Kingdom. PLoS ONE, 2011, 6, e17817.	2.5	44
77	Multiple Unique Cryptosporidium Isolates from Three Species of Ground Squirrels () Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Environmental Microbiology, 2010, 76, 8269-8276.	3.1	17
78	Risk Factors and Remediation of Self-Injurious and Self-Abuse Behavior in Rhesus Macaques. Journal of Applied Animal Welfare Science, 2009, 12, 61-72.	1.0	74
79	A Law of Word Meaning in Dolphin Whistle Types. Entropy, 2009, 11, 688-701.	2.2	31
80	The effect of rehabilitation of northern elephant seals (Mirounga angustirostris) on antimicrobial resistance of commensal Escherichia coli. Veterinary Microbiology, 2009, 133, 264-271.	1.9	22
81	Dolphin Mysteries: Unlocking the Secrets of Communication by Kathleen M. Dudzinski and Toni Frohoff. Marine Mammal Science, 2009, 25, 992-993.	1.8	0
82	A claim in search of evidence: reply to Mangerâ€™s thermogenesis hypothesis of cetacean brain structure. Biological Reviews, 2008, 83, 417-440.	10.4	55
83	Amplitude of bison bellows reflects male quality, physical condition and motivation. Animal Behaviour, 2008, 76, 1625-1639.	1.9	64
84	Utility of social network analysis for primate behavioral management and well-being. Applied Animal Behaviour Science, 2008, 109, 396-405.	1.9	119
85	Applicability of Information Theory to the Quantification of Responses to Anthropogenic Noise by Southeast Alaskan Humpback Whales. Entropy, 2008, 10, 33-46.	2.2	27
86	Cetaceans Have Complex Brains for Complex Cognition. PLoS Biology, 2007, 5, e139.	5.6	239
87	Threat-Related Acoustical Differences in Alarm Calls by Wild Bonnet Macaques (Macaca radiata) Elicited by Python and Leopard Models. Ethology, 2007, 113, 352-367.	1.1	53
88	Bioacoustic Monitoring of Aggression in Group-Housed Rhesus Macaques. Journal of Applied Animal Welfare Science, 2006, 9, 261-268.	1.0	11
89	ARE BUBBLESTREAM WHISTLES UNREPRESENTATIVE OF BOTTLENOSE DOLPHIN WHISTLE REPERTOIRES?. Marine Mammal Science, 2006, 22, 492-495.	1.8	2
90	Vocal development in captive harbor seal pups, Phoca vitulina richardii: Age, sex, and individual differences. Journal of the Acoustical Society of America, 2006, 120, 1684-1694.	1.1	35

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91	Effects of Induced Molting on the Well-Being of Egg-Laying Hens. Journal of Applied Animal Welfare Science, 2006, 9, 9-23.	1.0	16
92	CLASSIFICATION OF AFRICAN ELEPHANTLOXODONTA AFRICANARUMBLES USING ACOUSTIC PARAMETERS AND CLUSTER ANALYSIS. Bioacoustics, 2005, 15, 143-161.	1.7	38
93	Alarm signals of the great gerbil: Acoustic variation by predator context, sex, age, individual, and family group. Journal of the Acoustical Society of America, 2005, 118, 2706-2714.	1.1	36
94	Information Theory Applied to Animal Communication Systems and Its Possible Application to SETI. Symposium - International Astronomical Union, 2004, 213, 514-518.	0.1	2
95	Seasonal Shedding of Multiple Cryptosporidium Genotypes in California Ground Squirrels () Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	3.1	39
96	Barking in domestic dogs: context specificity and individual identification. Animal Behaviour, 2004, 68, 343-343.	1.9	93
97	Individual acoustic variation in Beldingâ€™s ground squirrel alarm chirps in the High Sierra Nevada. Journal of the Acoustical Society of America, 2002, 111, 1157-1160.	1.1	54
98	Using information theory to assess the diversity, complexity, and development of communicative repertoires.. Journal of Comparative Psychology (Washington, D C: 1983), 2002, 116, 166-172.	0.5	67
99	Bioacoustic tools for enhancing animal management and productivity: effects of recorded calf vocalizations on milk production in dairy cows. Applied Animal Behaviour Science, 2002, 77, 13-20.	1.9	14
100	The fallacy of â€˜signature whistlesâ€™ in bottlenose dolphins: a comparative perspective of â€˜signature informationâ€™ in animal vocalizations. Animal Behaviour, 2001, 62, 1151-1162.	1.9	108
101	Bubble ring play of bottlenose dolphins (Tursiops truncatus): Implications for cognition.. Journal of Comparative Psychology (Washington, D C: 1983), 2000, 114, 98-106.	0.5	98
102	THE ROLE OF LEARNING IN CHUCK CALL RECOGNITION BY SQUIRREL MONKEYS (SAIMIRI SCIUREUS). Behaviour, 2000, 137, 279-300.	0.8	16
103	Quantitative tools for comparing animal communication systems: information theory applied to bottlenose dolphin whistle repertoires. Animal Behaviour, 1999, 57, 409-419.	1.9	127
104	Communicative and other cognitive characteristics of bottlenose dolphins. Trends in Cognitive Sciences, 1997, 1, 140-145.	7.8	32
105	Maternal aggressive contact vocalizations in captive bottlenose dolphins (Tursiops truncatus): Wide-band, low-frequency signals during mother/aunt-infant interactions. Zoo Biology, 1995, 14, 293-309.	1.2	42
106	Whistle contour development in captive-born infant bottlenose dolphins (Tursiops truncatus): Role of learning.. Journal of Comparative Psychology (Washington, D C: 1983), 1995, 109, 242-260.	0.5	71
107	Spontaneous vocal mimicry and production by bottlenose dolphins (Tursiops truncatus): Evidence for vocal learning.. Journal of Comparative Psychology (Washington, D C: 1983), 1993, 107, 301-312.	0.5	268