Dustin R Rubenstein

List of Publications by Year
in descending order

114 papers	5,747 citations	126907 33 h-index	91884 69 g-index
124 all docs	124 docs citations	124 times ranked	6169 citing authors

#	Article	IF	Citations
1	From birds to butterflies: animal movement patterns and stable isotopes. Trends in Ecology and Evolution, 2004, 19, 256-263.	8.7	697
2	Evolutionary tipping points in the capacity to adapt to environmental change. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 184-189.	7.1	380
3	The ecology of stress: effects of the social environment. Functional Ecology, 2013, 27, 66-80.	3.6	372
4	Environmental Uncertainty and the Global Biogeography of Cooperative Breeding in Birds. Current Biology, 2011, 21, 72-78.	3.9	288
5	Linking Breeding and Wintering Ranges of a Migratory Songbird Using Stable Isotopes. Science, 2002, 295, 1062-1065.	12.6	270
6	Temporal Environmental Variability Drives the Evolution of Cooperative Breeding in Birds. Current Biology, 2007, 17, 1414-1419.	3.9	217
7	Sexual selection accelerates signal evolution during speciation in birds. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131065.	2.6	164
8	An evolutionary framework for studying mechanisms of social behavior. Trends in Ecology and Evolution, 2014, 29, 581-589.	8.7	157
9	THE ROLE OF SPECIES ABUNDANCE IN DETERMINING BREEDING ORIGINS OF MIGRATORY BIRDS WITH STABLE ISOTOPES. , 2004, 14, 1780-1788.		138
10	Key ornamental innovations facilitate diversification in an avian radiation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10687-10692.	7.1	134
11	Reproductive skew and selection on female ornamentation in social species. Nature, 2009, 462, 786-789.	27.8	128
12	The ecology of cooperative breeding behaviour. Ecology Letters, 2017, 20, 708-720.	6.4	115
13	Spatiotemporal environmental variation, risk aversion, and the evolution of cooperative breeding as a bet-hedging strategy. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10816-10822.	7.1	111
14	Comparative Social Evolution. , 2017, , .		97
15	Pleistocene Park: Does re-wilding North America represent sound conservation for the 21st century?. Biological Conservation, 2006, 132, 232-238.	4.1	96
16	Cooperation facilitates the colonization of harsh environments. Nature Ecology and Evolution, 2017, 1, 57.	7.8	96
17	Fluctuating Environments, Sexual Selection and the Evolution of Flexible Mate Choice in Birds. PLoS ONE, 2012, 7, e32311.	2.5	95
18	Stress hormones and sociality: integrating social and environmental stressors. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 967-975.	2.6	81

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19	Female extrapair mate choice in a cooperative breeder: trading sex for help and increasing offspring heterozygosity. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1895-1903.	2.6	79
20	A comparison of single nucleotide polymorphism and microsatellite markers for analysis of parentage and kinship in a cooperatively breeding bird. Molecular Ecology Resources, 2015, 15, 502-511.	4.8	74
21	Sexâ€specific fitness effects of unpredictable early life conditions are associated with <scp>DNA</scp> methylation in the avian glucocorticoid receptor. Molecular Ecology, 2016, 25, 1714-1728.	3.9	71
22	A comprehensive molecular phylogeny of the starlings (Aves: Sturnidae) and mockingbirds (Aves:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Phylogenetics and Evolution, 2007, 44, 1031-1056.	2.7	69
23	Steroid hormones and aggression in female GalÃ¡pagos marine iguanas. Hormones and Behavior, 2005, 48, 329-341.	2.1	67
24	Towards an integrative understanding of social behavior: new models and new opportunities. Frontiers in Behavioral Neuroscience, 2010, 4, 34.	2.0	58
25	Taxon matters: promoting integrative studies of social behavior. Trends in Neurosciences, 2015, 38, 189-191.	8.6	51
26	SEASONAL CHANGES IN FOOD QUALITY: A PROXIMATE CUE FOR REPRODUCTIVE TIMING IN MARINE IGUANAS. Ecology, 2003, 84, 3013-3023.	3.2	49
27	Reproductive Conflict and the Costs of Social Status in Cooperatively Breeding Vertebrates. American Naturalist, 2009, 173, 650-662.	2.1	49
28	Coevolution of Genome Architecture and Social Behavior. Trends in Ecology and Evolution, 2019, 34, 844-855.	8.7	49
29	Dynamic feedback between phenotype and physiology in sexually selected traits. Trends in Ecology and Evolution, 2008, 23, 655-658.	8.7	47
30	Temporal but Not Spatial Environmental Variation Drives Adaptive Offspring Sex Allocation in a Plural Cooperative Breeder. American Naturalist, 2007, 170, 155-165.	2.1	44
31	Physiological costs and carry-over effects of avian interspecific brood parasitism influence reproductive tradeoffs. Hormones and Behavior, 2013, 63, 717-722.	2.1	42
32	Patterns of genome size variation in snapping shrimp. Genome, 2016, 59, 393-402.	2.0	42
33	Sexual and social competition: broadening perspectives by defining female roles. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 2248-2252.	4.0	40
34	Selection, constraint, and the evolution of coloration in African starlings. Evolution; International Journal of Organic Evolution, 2016, 70, 1064-1079.	2.3	40
35	Territory quality drives intraspecific patterns of extrapair paternity. Behavioral Ecology, 2007, 18, 1058-1064.	2.2	39
36	Evolutionary transitions towards eusociality in snapping shrimps. Nature Ecology and Evolution, 2017, 1, 96.	7.8	38

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37	Survival Benefits of Group Living in a Fluctuating Environment. American Naturalist, 2020, 195, 1027-1036.	2.1	37
38	Climate-mediated cooperation promotes niche expansion in burying beetles. ELife, 2014, 3, e02440.	6.0	35
39	Group Size and Social Conflict in Complex Societies. American Naturalist, 2014, 183, 301-310.	2.1	34
40	The global biogeography of avian haemosporidian parasites is characterized by local diversification and intercontinental dispersal. Parasitology, 2019, 146, 213-219.	1.5	34
41	Environmental and hormonal correlates of immune activity in a cooperatively breeding tropical bird. General and Comparative Endocrinology, 2008, 159, 10-15.	1.8	33
42	Phylogenetic relationships of the mockingbirds and thrashers (Aves: Mimidae). Molecular Phylogenetics and Evolution, 2012, 63, 219-229.	2.7	33
43	From Pleistocene to trophic rewilding: A wolf in sheepâ€™s clothing. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1.	7.1	33
44	Resolving the Paradox of Environmental Quality and Sociality: The Ecological Causes and Consequences of Cooperative Breeding in Two Lineages of Birds. American Naturalist, 2019, 194, 207-216.	2.1	33
45	Isolation and characterization of polymorphic microsatellite loci in the plural cooperatively breeding superb starling, Lamprotornis superbus. Molecular Ecology Notes, 2005, 5, 739-744.	1.7	31
46	Family feuds: social competition and sexual conflict in complex societies. Philosophical Transactions of the Royal Society B: Biological Sciences, 2012, 367, 2304-2313.	4.0	31
47	Flight calls signal group and individual identity but not kinship in a cooperatively breeding bird. Behavioral Ecology, 2013, 24, 1279-1285.	2.2	31
48	Extreme and Variable Climatic Conditions Drive the Evolution of Sociality in Australian Rodents. Current Biology, 2020, 30, 691-697.e3.	3.9	31
49	Multiple benefits of alloparental care in a fluctuating environment. Royal Society Open Science, 2018, 5, 172406.	2.4	26
50	Proximate pathways underlying social behavior. Current Opinion in Behavioral Sciences, 2015, 6, 154-159.	3.9	25
51	Ecological uncertainty favours the diversification of host use in avian brood parasites. Nature Communications, 2020, 11, 4185.	12.8	25
52	Are hotshots always hot? A longitudinal study of hormones, behavior, and reproductive success in male marine iguanas. General and Comparative Endocrinology, 2008, 157, 227-232.	1.8	24
53	Discrete but variable structure of animal societies leads to the false perception of a social continuum. Royal Society Open Science, 2016, 3, 160147.	2.4	23
54	Shell dynamics and microhabitat selection by striped legged hermit crabs, Clibanarius vittatus (Bosc). Journal of Experimental Marine Biology and Ecology, 1995, 192, 157-172.	1.5	22

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55	Pitch- and spectral-based dynamic time warping methods for comparing field recordings of harmonic avian vocalizations. Journal of the Acoustical Society of America, 2013, 134, 1407-1415.	1.1	22
56	Superb starlings: Cooperation and conflict in an unpredictable environment. , 2016, , 181-196.		21
57	Sociality in Non-Primate Mammals. , 2017, , 284-319.		21
58	A complete species-level molecular phylogeny for the â€œEurasianâ€•starlings (Sturnidae: Sturnus,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Molecular Phylogenetics and Evolution, 2008, 47, 251-260.	2.7	20
59	Reproductive skew drives patterns of sexual dimorphism in sponge-dwelling snapping shrimps. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150342.	2.6	20
60	Artificial intelligence reveals environmental constraints on colour diversity in insects. Nature Communications, 2019, 10, 4554.	12.8	20
61	Social Control of Reproduction and Breeding Monopolization in the Eusocial Snapping ShrimpSynalpheus elizabethae. American Naturalist, 2015, 186, 660-668.	2.1	19
62	Eusociality in snapping shrimps is associated with larger genomes and an accumulation of transposable elements. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	19
63	Sociality in Primates. , 2017, , 253-283.		18
64	A chemically triggered transition from conflict to cooperation in burying beetles. Ecology Letters, 2020, 23, 467-475.	6.4	18
65	Male-like ornamentation in female hummingbirds results from social harassment rather than sexual selection. Current Biology, 2021, 31, 4381-4387.e6.	3.9	18
66	Social context and the lack of sexual dimorphism in song in an avian cooperative breeder. Animal Behaviour, 2013, 85, 709-714.	1.9	17
67	Bateman's principle is reversed in a cooperatively breeding bird. Biology Letters, 2015, 11, 20150034.	2.3	17
68	Sociality in Aphids and Thrips. , 2017, , 154-187.		17
69	Sociality in Shrimps. , 2017, , 224-250.		17
70	Sociality in Fishes. , 2017, , 354-389.		17
71	The fitness consequences of kin-biased dispersal in a cooperatively breeding bird. Biology Letters, 2015, 11, 20150336.	2.3	15
72	Ecological Transitions in Grouping Benefits Explain the Paradox of Environmental Quality and Sociality. American Naturalist, 2020, 195, 818-832.	2.1	15

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73	Feather Gene Expression Elucidates the Developmental Basis of Plumage Iridescence in African Starlings. Journal of Heredity, 2021, 112, 417-429.	2.4	15
74	The evolution of cooperative breeding; is there cheating?. Behavioural Processes, 2007, 76, 131-137.	1.1	14
75	Male-like female morphs in hummingbirds: the evolution of a widespread sex-limited plumage polymorphism. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20203004.	2.6	14
76	The Evolution of Social Evolution. , 2017, , 1-18.		13
77	Ecological generalism facilitates the evolution of sociality in snapping shrimps. Ecology Letters, 2017, 20, 1516-1525.	6.4	13
78	Testosterone, social status and parental care in a cooperatively breeding bird. Hormones and Behavior, 2018, 97, 85-93.	2.1	13
79	The oxidative costs of parental care in cooperative and pair-breeding African starlings. Oecologia, 2018, 188, 53-63.	2.0	12
80	A Tissue Comparison of DNA Methylation of the Glucocorticoid Receptor Gene (Nr3c1) in European Starlings. Integrative and Comparative Biology, 2019, 59, 264-272.	2.0	12
81	Polymorphic microsatellite loci in a plural breeder, the grey-capped social weaver (Pseudonigrita) Tj ETQq1 1 0.784314 rgBT /Overlock 1 Ecology Notes, 2005, 5, 16-20.	1.7	11
82	Social Synthesis. , 2017, , 427-452.		11
83	Environmental Uncertainty and the Global Biogeography of Cooperative Breeding in Birds. Current Biology, 2011, 21, 438.	3.9	9
84	Sexual and natural selection in the evolution of extended phenotypes: the use of green nesting material in starlings. Journal of Evolutionary Biology, 2016, 29, 1585-1592.	1.7	9
85	Sociality in Birds. , 2017, , 320-353.		9
86	A continuum of biological adaptations to environmental fluctuation. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191623.	2.6	9
87	Locally-adapted reproductive photoperiodism determines population vulnerability to climate change in burying beetles. Nature Communications, 2020, 11, 1398.	12.8	9
88	Decline and Local Extinction of Caribbean Eusocial Shrimp. PLoS ONE, 2013, 8, e54637.	2.5	9
89	The evolution of foraging behavior in the GalÃ¡pagos marine iguana: natural and sexual selection on body size drives ecological, morphological, and behavioral specialization. , 2007, , 491-507.		8
90	Microsatellite development suggests evidence of polyploidy in the social spongeâ€dwelling snapping shrimp Zuzalpheus brooksi. Molecular Ecology Resources, 2008, 8, 890-894.	4.8	8

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91	No short-term physiological costs of offspring care in a cooperatively breeding bird. Journal of Experimental Biology, 2018, 221, .	1.7	8
92	Song in a Social and Sexual Context: Vocalizations Signal Identity and Rank in Both Sexes of a Cooperative Breeder. Frontiers in Ecology and Evolution, 2016, 4, .	2.2	7
93	Antagonistic effects of intraspecific cooperation and interspecific competition on thermal performance. ELife, 2020, 9, .	6.0	7
94	Environmental variability and the evolution of the glucocorticoid receptor (Nr3c1) in African starlings. Ecology Letters, 2016, 19, 1219-1227.	6.4	6
95	Development of genomeâ€•and transcriptomeâ€derived microsatellites in related species of snapping shrimps with highly duplicated genomes. Molecular Ecology Resources, 2017, 17, e160-e173.	4.8	6
96	Social rank modulates how environmental quality influences cooperation and conflict within animal societies. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201720.	2.6	6
97	Social Behavior. , 2013, , 571-579.		5
98	Multitasking and the evolution of optimal clutch size in fluctuating environments. Ecology and Evolution, 2018, 8, 8803-8817.	1.9	5
99	Social transitions in sponge-dwelling snapping shrimp. Current Opinion in Insect Science, 2019, 34, 33-39.	4.4	5
100	Antagonistic effects of long- and short-term environmental variation on species coexistence. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20211491.	2.6	5
101	Long-Term Measures of Climate Unpredictability Shape the Avian Endocrine Stress Axis. American Naturalist, 2021, 198, 394-405.	2.1	4
102	Introduction to Symposium: New Frontiers in the Integrative Study of Animal Behavior: Nothing in Neuroscience Makes Sense Except in the Light of Behavior. Integrative and Comparative Biology, 2016, 56, 1192-1196.	2.0	3
103	TERAD: Extraction of transposable element composition from RADseq data. Molecular Ecology Resources, 2019, 19, 1681-1688.	4.8	3
104	Prenatal environmental conditions underlie alternative reproductive tactics that drive the formation of a mixed-kin cooperative society. Science Advances, 2022, 8, eabk2220.	10.3	3
105	The spatial and temporal distribution of females influence the evolution of testes size in Australian rodents. Biology Letters, 2022, 18, 20220058.	2.3	3
106	Provisioning of Fledgling Conspecifics by Males of the Brood-parasitic Cuckoos Chrysococcyx klaas and C. caprius. Wilson Journal of Ornithology, 2006, 118, 99-101.	0.2	2
107	Introduction to Symposium: The Developmental and Proximate Mechanisms Causing Individual Variation in Cooperative Behavior. Integrative and Comparative Biology, 2017, 57, 560-565.	2.0	2
108	Nest predation predicts infanticide in a cooperatively breeding bird. Biology Letters, 2019, 15, 20190314.	2.3	2

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109	Environmental Uncertainty and Social Behavior. , 2019, , 807-815.		1
110	Larval ecology, dispersal, and the evolution of sociality in the sea. Ethology, 2021, 127, 808-820.	1.1	1
111	Animal Society. , 2018, , 1-3.		0
112	Cooperation and Lateral Forces: Moving Beyond Bottom-Up and Top-Down Drivers of Animal Population Dynamics. Frontiers in Psychology, 2022, 13, 768773.	2.1	0
113	Plasticity in social behaviour varies with reproductive status in an avian cooperative breeder. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20220355.	2.6	0
114	Animal Society. , 2022, , 317-320.		0