

Daniel I Rubenstein

List of Publications by Year in descending order

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Version: 2024-02-01

130
papers

5,237
citations

117625

34
h-index

110387

64
g-index

132
all docs

132
docs citations

132
times ranked

6376
citing authors

#	ARTICLE	IF	CITATIONS
1	Moving in the Anthropocene: Global reductions in terrestrial mammalian movements. <i>Science</i> , 2018, 359, 466-469.	12.6	783
2	DNA metabarcoding illuminates dietary niche partitioning by African large herbivores. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8019-8024.	7.1	431
3	Social relationships and reproductive state influence leadership roles in movements of plains zebra, <i>Equus burchellii</i> . <i>Animal Behaviour</i> , 2007, 73, 825-831.	1.9	242
4	Network metrics reveal differences in social organization between two fission-fusion species, Grevy's zebra and onager. <i>Oecologia</i> , 2007, 151, 140-149.	2.0	210
5	Mortality Risk of Spatial Positions in Animal Groups: the Danger of Being in the Front. <i>Behaviour</i> , 1997, 134, 1063-1076.	0.8	163
6	Stewardship of global collective behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	129
7	Evidence based review: positive versus negative effects of livestock grazing on wildlife. What do we really know?. <i>Environmental Research Letters</i> , 2016, 11, 113003.	5.2	125
8	Population Dynamics of a Reintroduced Asiatic Wild Ass (<i>Equus Hemionus</i>) Herd. , 1995, 5, 327-335.		109
9	Individual Variation and Competition in the Everglades Pygmy Sunfish. <i>Journal of Animal Ecology</i> , 1981, 50, 337.	2.8	108
10	High carbon and biodiversity costs from converting Africa's wet savannahs to cropland. <i>Nature Climate Change</i> , 2015, 5, 481-486.	18.8	105
11	Pleistocene Park: Does re-wilding North America represent sound conservation for the 21st century?. <i>Biological Conservation</i> , 2006, 132, 232-238.	4.1	96
12	HotSpotter — Patterned species instance recognition. , 2013, , .		93
13	On Predation, Competition, and the Advantages of Group Living. <i>Perspectives in Ethology</i> , 1978, , 205-231.	0.5	93
14	Population density, resource patterning, and territoriality in the Everglades pygmy sunfish. <i>Animal Behaviour</i> , 1981, 29, 155-172.	1.9	84
15	Multilevel Organisation of Animal Sociality. <i>Trends in Ecology and Evolution</i> , 2020, 35, 834-847.	8.7	84
16	Parasites and Social Behavior of Island Feral Horses. <i>Oikos</i> , 1989, 55, 312.	2.7	83
17	Natural and sexual selection and the evolution of multi-level societies: insights from zebras with comparisons to primates. , 2004, , 266-279.		77
18	Biometric animal databases from field photographs. , 2011, , .		72

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19	Horse signals: The sounds and scents of fury. <i>Evolutionary Ecology</i> , 1992, 6, 254-260.	1.2	68
20	Sociality increases juvenile survival after a catastrophic event in the feral horse (<i>Equus caballus</i>). <i>Behavioral Ecology</i> , 2015, 26, 138-147.	2.2	64
21	Knowledgeable Lemurs Become More Central in Social Networks. <i>Current Biology</i> , 2018, 28, 1306-1310.e2.	3.9	63
22	How the zebra got its stripes: a problem with too many solutions. <i>Royal Society Open Science</i> , 2015, 2, 140452.	2.4	59
23	Lemurs groom-at-a-distance through vocal networks. <i>Animal Behaviour</i> , 2015, 110, 179-186.	1.9	51
24	Social networks predict selective observation and information spread in ravens. <i>Royal Society Open Science</i> , 2016, 3, 160256.	2.4	49
25	Group Choice as a Function of Group Size Differences and Assessment Time in Fish: The Influence of Species Vulnerability to Predation. <i>Ethology</i> , 1998, 104, 68-74.	1.1	47
26	Aggression, grooming and group-level cooperation in white-faced capuchins (<i>Cebus capucinus</i>): insights from social networks. <i>American Journal of Primatology</i> , 2011, 73, 821-833.	1.7	46
27	The Impact of Increased Environmental Stochasticity Due to Climate Change on the Dynamics of Asiatic Wild Ass. <i>Conservation Biology</i> , 2006, 20, 1402-1409.	4.7	45
28	African Vultures Don't Follow Migratory Herds: Scavenger Habitat Use Is Not Mediated by Prey Abundance. <i>PLoS ONE</i> , 2014, 9, e83470.	2.5	45
29	Stigmergy, collective actions, and animal social spacing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16904-16909.	7.1	43
30	Is the endangered Grevy's zebra threatened by hybridization?. <i>Animal Conservation</i> , 2009, 12, 505-513.	2.9	42
31	Similar but Different: Dynamic Social Network Analysis Highlights Fundamental Differences between the Fission-Fusion Societies of Two Equid Species, the Onager and Grevy's Zebra. <i>PLoS ONE</i> , 2015, 10, e0138645.	2.5	42
32	Citizen Science in Schools: Students Collect Valuable Mammal Data for Science, Conservation, and Community Engagement. <i>BioScience</i> , 2019, 69, 69-79.	4.9	42
33	Expert range maps of global mammal distributions harmonised to three taxonomic authorities. <i>Journal of Biogeography</i> , 2022, 49, 979-992.	3.0	41
34	Ecology, Social Behavior, and Conservation in Zebras. <i>Advances in the Study of Behavior</i> , 2010, , 231-258.	1.6	40
35	Individual recognition through olfactory-auditory matching in lemurs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20140071.	2.6	39
36	Disruption of a protective ant-plant mutualism by an invasive ant increases elephant damage to savanna trees. <i>Ecology</i> , 2015, 96, 654-661.	3.2	39

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37	Immunocontraception decreases group fidelity in a feral horse population during the non-breeding season. <i>Applied Animal Behaviour Science</i> , 2009, 117, 74-83.	1.9	38
38	Fusing enacted and expected mimicry generates a winning strategy that promotes the evolution of cooperation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10229-10233.	7.1	35
39	Linking social environment and stress physiology in feral mares (<i>Equus caballus</i>): Group transfers elevate fecal cortisol levels. <i>General and Comparative Endocrinology</i> , 2014, 196, 26-33.	1.8	35
40	Partnering with local communities to identify conservation priorities for endangered Grevy's zebra. <i>Biological Conservation</i> , 2009, 142, 1548-1555.	4.1	34
41	Group structure in a restricted entry system is mediated by both resident and joiner preferences. <i>Behavioral Ecology and Sociobiology</i> , 2010, 64, 1099-1106.	1.4	34
42	Immunocontraception in Wild Horses (<i>Equus caballus</i>) Extends Reproductive Cycling Beyond the Normal Breeding Season. <i>PLoS ONE</i> , 2010, 5, e13635.	2.5	34
43	Vegetation, Wildlife, and Livestock Responses to Planned Grazing Management in an African Pastoral Landscape. <i>Land Degradation and Development</i> , 2017, 28, 2030-2038.	3.9	34
44	From Pleistocene to trophic rewilding: A wolf in sheep's clothing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1.	7.1	33
45	The Effect of Space-Use Patterns of Reintroduced Asiatic Wild Ass on Effective Population Size. <i>Conservation Biology</i> , 2000, 14, 1852-1861.	4.7	32
46	How ecology shapes exploitation: a framework to predict the behavioural response of human and animal foragers along exploration-exploitation trade-offs. <i>Ecology Letters</i> , 2018, 21, 779-793.	6.4	32
47	Life history and social organization in arid adapted ungulates. <i>Journal of Arid Environments</i> , 1989, 17, 145-156.	2.4	29
48	Landscape sustainability science in the drylands: mobility, rangelands and livelihoods. <i>Landscape Ecology</i> , 2020, 35, 2433-2447.	4.2	29
49	Reproductive status influences group size and persistence of bonds in male plains zebra (<i>Equus</i>) <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i>	1.4	28
50	Sociality and reproductive skew in horses and zebras. , 2009, , 196-226.		27
51	Initiators, Leaders, and Recruitment Mechanisms in the Collective Movements of Damselfish. <i>American Naturalist</i> , 2013, 181, 748-760.	2.1	27
52	Water Use Patterns of Sympatric Przewalski's Horse and Khulan: Interspecific Comparison Reveals Niche Differences. <i>PLoS ONE</i> , 2015, 10, e0132094.	2.5	27
53	Updated geographic range maps for giraffe, <i>Giraffa</i> spp., throughout sub-Saharan Africa, and implications of changing distributions for conservation. <i>Mammal Review</i> , 2019, 49, 285-299.	4.8	27
54	The Effect of Space-Use Patterns of Reintroduced Asiatic Wild Ass on Effective Population Size. <i>Conservation Biology</i> , 2000, 14, 1852-1861.	4.7	27

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55	International citizen science: making the local global. <i>Frontiers in Ecology and the Environment</i> , 2012, 10, 328-331.	4.0	26
56	Pastoralist societies in flux: A conceptual framework analysis of herding and land use among the Mukugodo Maasai of Kenya. <i>Pastoralism</i> , 2017, 7, .	1.0	26
57	Consistent individual variation across interaction networks indicates social personalities in lemurs. <i>Animal Behaviour</i> , 2018, 136, 217-226.	1.9	26
58	Juvenile social relationships reflect adult patterns of behavior in wild geladas. <i>American Journal of Primatology</i> , 2015, 77, 1086-1096.	1.7	24
59	Ecology and Sociality in Horses and Zebras. , 0, , 282-302.		22
60	Reciprocal insurance among Kenyan pastoralists. <i>Theoretical Ecology</i> , 2013, 6, 173-187.	1.0	22
61	Characterization of intestinal microbiota and fecal cortisol, T3, and IgA in forest musk deer (<i>Moosambi</i>) Tj ETQq1 1 0.784314,rgBT /Overlock 10 25	2.5	22
62	Combat and communication in the Everglades pygmy sunfish. <i>Animal Behaviour</i> , 1981, 29, 249-258.	1.9	21
63	The effects of immunocontraception on harem fidelity in a feral horse (<i>Equus caballus</i>) population. <i>Applied Animal Behaviour Science</i> , 2010, 128, 50-56.	1.9	20
64	The behavioural challenge of the COVID-19 pandemic: indirect measurements and personalized attitude changing treatments (IMPACT). <i>Royal Society Open Science</i> , 2020, 7, 201131.	2.4	20
65	Global Marine Fishing across Space and Time. <i>Sustainability</i> , 2020, 12, 4714.	3.2	19
66	Body size and digestive system shape resource selection by ungulates: A cross-taxa test of the forage maturation hypothesis. <i>Ecology Letters</i> , 2021, 24, 2178-2191.	6.4	19
67	Habitat choice of Grevy's zebras (<i>Equus grevyi</i>) in Laikipia, Kenya. <i>African Journal of Ecology</i> , 2008, 46, 359-364.	0.9	18
68	Between-gender differences in vigilance do not necessarily lead to differences in foraging-vigilance tradeoffs. <i>Oecologia</i> , 2016, 181, 757-768.	2.0	18
69	An Extra Dimension to Decision-Making in Animals: The Three-way Trade-off between Speed, Effort per-Unit-Time and Accuracy. <i>PLoS Computational Biology</i> , 2014, 10, e1003937.	3.2	17
70	Genetic relatedness in two-tiered plains zebra societies suggests that females choose to associate with kin. <i>Behaviour</i> , 2015, 152, 2059-2078.	0.8	17
71	Population structure, inbreeding and stripe pattern abnormalities in plains zebras. <i>Molecular Ecology</i> , 2021, 30, 379-390.	3.9	17
72	Coping with transition: offspring risk and maternal behavioural changes at the end of the hiding phase. <i>Animal Behaviour</i> , 2015, 109, 217-225.	1.9	16

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73	Lingering effects of contraception management on feral mare (<i>Equus caballus</i>) fertility and social behavior. , 2017, 5, cox018.		16
74	Maternal tactics for mitigating neonate predation risk during the postpartum period in Thomson's gazelle. <i>Behaviour</i> , 2014, 151, 1229-1248.	0.8	15
75	Physiology modulates social flexibility and collective behaviour in equids and other large ungulates. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160241.	4.0	14
76	Behavioral and Ecological Implications of Bunched, Rotational Cattle Grazing in East African Savanna Ecosystem. <i>Rangeland Ecology and Management</i> , 2019, 72, 204-209.	2.3	14
77	Contact Calls Facilitate Group Contraction in Free-Ranging Goats (<i>Capra aegagrus hircus</i>). <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	13
78	Anthropogenic injuries disrupt social associations of common bottlenose dolphins (<i>Tursiops</i>) <i>Tj ETQq0 0 0 rgBT /Oyerlock 10 Tf 50 542</i>	1.8	13
79	Moving through the mosaic: identifying critical linkage zones for large herbivores across a multiple-use African landscape. <i>Landscape Ecology</i> , 2021, 36, 1325-1340.	4.2	13
80	Boat to bowl: resilience through network rewiring of a community-supported fishery amid the COVID-19 pandemic. <i>Environmental Research Letters</i> , 2021, 16, 034054.	5.2	12
81	Shoal Choice Behaviour in Fish: the Relationship Between Assessment Time and Assessment Quality. <i>Behaviour</i> , 1997, 134, 1051-1062.	0.8	11
82	A rare fight in female plains zebra. <i>Journal of Ethology</i> , 2010, 28, 201-205.	0.8	11
83	Herd Size-Dependent Effects of Restricted Foraging Time Allowance on Cattle Behavior, Nutrition, and Performance. <i>Rangeland Ecology and Management</i> , 2015, 68, 341-348.	2.3	11
84	Tightly Bunched Herding Improves Cattle Performance in African Savanna Rangeland. <i>Rangeland Ecology and Management</i> , 2018, 71, 481-491.	2.3	11
85	Savannas are vital but overlooked carbon sinks. <i>Science</i> , 2022, 375, 392-392.	12.6	11
86	Combining Strategies to Select Reserves in Fragmented Landscapes. <i>Conservation Biology</i> , 2004, 18, 1121-1131.	4.7	10
87	Conservation planning on a budget: a resource light method for mapping priorities at a landscape scale?. <i>Biodiversity and Conservation</i> , 2009, 18, 1979-2000.	2.6	10
88	Resolving a conservation dilemma: Vulnerable lions eating endangered zebras. <i>PLoS ONE</i> , 2018, 13, e0201983.	2.5	10
89	Effects of holistic grazing management on milk production, weight gain, and visitation to grazing areas by livestock and wildlife in Laikipia County, Kenya. <i>Ecological Processes</i> , 2016, 5, .	3.9	9
90	Apparent Competition, Lion Predation, and Managed Livestock Grazing: Can Conservation Value Be Enhanced?. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	9

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91	Staying Alive: Long-Term Success of Bottlenose Dolphin Interventions in Southwest Florida. <i>Frontiers in Marine Science</i> , 2021, 7, .	2.5	9
92	Habitat use by the Persian onager, <i>Equus hemionus onager</i> (Perissodactyla: Equidae) in Qatrouyeh National Park, Fars, Iran. <i>Journal of Natural History</i> , 2013, 47, 2795-2814.	0.5	8
93	Linking Multiscalar Fisheries Using Metacoupling Models. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	8
94	The gastrointestinal nematodes of plains and Grevy's zebras: Phylogenetic relationships and host specificity. <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2021, 16, 228-235.	1.5	8
95	A Free-Ranging, Feral Mare <i>Equus caballus</i> Affords Similar Maternal Care to Her Genetic and Adopted Offspring. <i>American Naturalist</i> , 2013, 182, 674-681.	2.1	7
96	Temporal structuring of vigilance behaviour by female Thomson's gazelles with hidden fawns. <i>Animal Behaviour</i> , 2018, 145, 87-97.	1.9	7
97	The non-invasive measurement of faecal immunoglobulin in African equids. <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2020, 12, 105-112.	1.5	7
98	Evaluating expert-based habitat suitability information of terrestrial mammals with GPS-tracking data. <i>Global Ecology and Biogeography</i> , 2022, 31, 1526-1541.	5.8	6
99	<i>Social Behavior.</i> , 2013, , 571-579.		5
100	Caught between two worlds: genes and environment influence behaviour of plains – Grevy's zebra hybrids in central Kenya. <i>Animal Behaviour</i> , 2015, 106, 17-26.	1.9	5
101	Revealing life-history traits by contrasting genetic estimations with predictions of effective population size. <i>Conservation Biology</i> , 2018, 32, 817-827.	4.7	5
102	Reciprocity and rotating social advantage among females in egalitarian primate societies. <i>Animal Behaviour</i> , 2019, 157, 189-200.	1.9	5
103	Increased vigilance of plains zebras (<i>Equus quagga</i>) in response to more bush coverage in a Kenyan savanna. <i>Climate Change Ecology</i> , 2021, 1, 100001.	1.9	5
104	A new classification of mammalian uni-male multi-female groups based on the fundamental principles governing inter- and intrasexual relationships. <i>Behavioral Ecology and Sociobiology</i> , 2021, 75, 1.	1.4	5
105	Concordance on zebra stripes is not black and white: response to comment by Caro & Stankowich (2015). <i>Royal Society Open Science</i> , 2015, 2, 150359.	2.4	4
106	Anthropogenic impacts on behavior: the pros and cons of plasticity. , 2016, , 121-146.		4
107	An assessment of tree availability as a possible cause of population declines in scavenging raptors. <i>Journal of Avian Biology</i> , 2018, 49, jav-01497.	1.2	4
108	Modeling Atlantic herring fisheries as multiscalar human-natural systems. <i>Fisheries Research</i> , 2021, 236, 105855.	1.7	4

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109	Bothersome Flies: How Free-Ranging Horses Reduce Harm While Maintaining Nutrition. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	2.2	4
110	Divergent water requirements partition exposure risk to parasites in wild equids. <i>Ecology and Evolution</i> , 2022, 12, e8693.	1.9	4
111	Vaccination-hesitancy and global warming: distinct social challenges with similar behavioural solutions. <i>Royal Society Open Science</i> , 2022, 9, .	2.4	4
112	Striping patterns may not influence social interactions and mating in zebra: Observations from melanic zebra in South Africa. <i>African Journal of Ecology</i> , 2018, 56, 428-431.	0.9	3
113	Above- and below-ground allocation and functional trait response to soil water inputs and drying rates of two common savanna grasses. <i>Journal of Arid Environments</i> , 2018, 157, 1-12.	2.4	3
114	On Multifaceted Definitions of Multilevel Societies: Response to Papageorgiou and Farine. <i>Trends in Ecology and Evolution</i> , 2021, 36, 17-19.	8.7	3
115	Landscape-Scale Conservation Planning of the Ewaso Nyiro: A Model for Land Use Planning in Kenya?. <i>Smithsonian Contributions To Zoology</i> , 2011, , 105-123.	1.5	3
116	Effects of traditional pastoralism on grasshopper (Caelifera) assemblages in East Africa. <i>African Journal of Ecology</i> , 2016, 54, 167-173.	0.9	2
117	More than ponds amid skyscrapers: Urban fisheries as multiscale human-natural systems. <i>Aquatic Ecosystem Health and Management</i> , 2022, 25, 49-58.	0.6	2
118	Grevy's zebra conservation: overcoming threats of isolation, genetic hybridization and demographic instability. <i>Animal Conservation</i> , 2009, 12, 520-521.	2.9	1
119	Mutualistic acacia ants exhibit reduced aggression and more frequent off-tree movements near termite mounds. <i>Biotropica</i> , 2018, 50, 559-562.	1.6	1
120	Effects of a grazing permit market on pastoralist behavior and overgrazing in Kenya. <i>Environmental Research Letters</i> , 2022, 17, 035002.	5.2	1
121	Interacting with others while reacting to the environment. <i>Behavioral and Brain Sciences</i> , 2022, 45, .	0.7	1
122	The launch of Environmental Research Reviews. <i>Environmental Research Letters</i> , 2015, 10, 120402.	5.2	0
123	Communication is key: Mother-offspring signaling can affect behavioral responses and offspring survival in feral horses (<i>Equus caballus</i>). <i>PLoS ONE</i> , 2020, 15, e0231343.	2.5	0
124	Resolution of Respect Robert M. May (1936-2020). <i>Bulletin of the Ecological Society of America</i> , 2021, 102, e01769.	0.2	0
125	Predator Attack Strategy and Prey Behaviour Drive Individual Predation Risk in Schooling Prey. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
126	Stepping Up: A U.S. Perspective on the Ten Steps to Responsible Inland Fisheries. <i>Fisheries</i> , 2022, 47, 68-77.	0.8	0

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127	Title is missing!. , 2020, 15, e0231343.		0
128	Title is missing!. , 2020, 15, e0231343.		0
129	Title is missing!. , 2020, 15, e0231343.		0
130	Title is missing!. , 2020, 15, e0231343.		0