

# David Saltz

## List of Publications by Year in descending order

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Version: 2024-02-01

130  
papers

6,089  
citations

117625

34  
h-index

82547

72  
g-index

133  
all docs

133  
docs citations

133  
times ranked

6802  
citing authors

#	ARTICLE	IF	CITATIONS
1	A movement ecology paradigm for unifying organismal movement research. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19052-19059.	7.1	2,043
2	Integrating animal behavior and conservation biology: a conceptual framework. Behavioral Ecology, 2011, 22, 236-239.	2.2	223
3	A patch-dynamics approach to savanna dynamics and woody plant encroachment " Insights from an arid savanna. Perspectives in Plant Ecology, Evolution and Systematics, 2006, 7, 229-242.	2.7	191
4	A framework for generating and analyzing movement paths on ecological landscapes. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19066-19071.	7.1	168
5	The Exploration-Exploitation Dilemma: A Multidisciplinary Framework. PLoS ONE, 2014, 9, e95693.	2.5	147
6	Forging at Different Spatial Scales: Dorcas Gazelles Foraging for Lilies in the Negev Desert. Ecology, 1994, 75, 48-58.	3.2	126
7	Multi-scale patterns and bush encroachment in an arid savanna with a shallow soil layer. Journal of Vegetation Science, 2005, 16, 311-320.	2.2	123
8	Abrupt spatial and numerical responses of overabundant foxes to a reduction in anthropogenic resources. Journal of Applied Ecology, 2010, 47, 1262-1271.	4.0	123
9	Research Priorities from Animal Behaviour for Maximising Conservation Progress. Trends in Ecology and Evolution, 2016, 31, 953-964.	8.7	121
10	Population Dynamics of a Reintroduced Asiatic Wild Ass (Equus Hemionus) Herd. , 1995, 5, 327-335.		109
11	A systematic survey of the integration of animal behavior into conservation. Conservation Biology, 2016, 30, 744-753.	4.7	93
12	IMPACT OF HUMAN NUISANCE DISTURBANCE ON VIGILANCE AND GROUP SIZE OF A SOCIAL UNGULATE. , 2003, 13, 1830-1834.		89
13	Using the movement patterns of reintroduced animals to improve reintroduction success. Environmental Epigenetics, 2014, 60, 515-526.	1.8	87
14	The impact of free-roaming dogs on gazelle kid/female ratio in a fragmented area. Biological Conservation, 2004, 119, 231-236.	4.1	80
15	Reporting Error Measures in Radio Location by Triangulation: A Review. Journal of Wildlife Management, 1994, 58, 181.	1.8	78
16	Pond characteristics as determinants of species diversity and community composition in desert bats. Animal Conservation, 2010, 13, 505-513.	2.9	78
17	Ecological Trap for Desert Lizards Caused by Anthropogenic Changes in Habitat Structure that Favor Predator Activity. Conservation Biology, 2010, 24, 803-809.	4.7	70
18	Demographic Models and Reality in Reintroductions: Persian Fallow Deer in Israel. Conservation Biology, 2005, 19, 131-138.	4.7	68

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19	Gazelle Herbivory and Interpopulation Differences in Calcium Oxalate Content of Leaves of a Desert Lily. <i>Journal of Chemical Ecology</i> , 1997, 23, 333-346.	1.8	67
20	Does interspecific competition drive patterns of habitat use in desert bat communities?. <i>Oecologia</i> , 2011, 167, 493-502.	2.0	66
21	Increased mammal nocturnality in agricultural landscapes results in fragmentation due to cascading effects. <i>Biological Conservation</i> , 2018, 226, 32-41.	4.1	62
22	Calcium oxalate crystals in leaves of <i>Pancreatium sickenbergeri</i> : constitutive or induced defence?. <i>Functional Ecology</i> , 2002, 16, 99-105.	3.6	61
23	Two-phase modelling of a fluid mixing layer. <i>Journal of Fluid Mechanics</i> , 1999, 378, 119-143.	3.4	57
24	Reintroduction As an Ecosystem Restoration Technique. <i>Conservation Biology</i> , 2011, 25, 424-424.	4.7	57
25	Urinary Cortisol and Urea Nitrogen Responses to Winter Stress in Mule Deer. <i>Journal of Wildlife Management</i> , 1991, 55, 1.	1.8	54
26	Influence of Season and Moonlight on Temporal-Activity Patterns of Indian Crested Porcupines ( <i>Hystrix indica</i> ). <i>Journal of Mammalogy</i> , 1988, 69, 71-80.	1.3	52
27	Response to topography in a hilltopping butterfly and implications for modelling nonrandom dispersal. <i>Animal Behaviour</i> , 2004, 68, 825-839.	1.9	47
28	Invisible barriers: anthropogenic impacts on inter- and intra-specific interactions as drivers of landscape-independent fragmentation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180049.	4.0	47
29	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
30	Responding to a three-pronged attack: desert lilies subject to herbivory by dorcas gazelles. <i>Plant Ecology</i> , 2000, 148, 127-138.	1.6	41
31	Behavioral Changes, Stress, and Survival Following Reintroduction of Persian Fallow Deer from Two Breeding Facilities. <i>Conservation Biology</i> , 2009, 23, 1026-1035.	4.7	41
32	A long-term systematic approach to planning reintroductions: the Persian fallow deer and the Arabian oryx in Israel. <i>Animal Conservation</i> , 1998, 1, 245-252.	2.9	38
33	Assessing Grazing Impacts by Remote Sensing in Hyper-Arid Environments. <i>Journal of Range Management</i> , 1999, 52, 500.	0.3	37
34	Statistical Evolution of Chaotic Fluid Mixing. <i>Physical Review Letters</i> , 1998, 80, 712-715.	7.8	36
35	Progeny sex ratio variation in ungulates: maternal age meets environmental perturbation of demography. <i>Oikos</i> , 2001, 94, 377-384.	2.7	36
36	The effect of anthropogenic resources on the space-use patterns of golden jackals. <i>Journal of Wildlife Management</i> , 2011, 75, 132-136.	1.8	36

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37	The role of size inequality in self-thinning: A pattern-oriented simulation model for arid savannas. <i>Ecological Modelling</i> , 2008, 210, 431-445.	2.5	35
38	Manipulating animal behavior to ensure reintroduction success. , 2016, , 275-304.		33
39	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
40	Impact of Repeated Releases on Space-Use Patterns of Persian Fallow Deer. <i>Journal of Wildlife Management</i> , 2002, 66, 737.	1.8	32
41	Responses of <i>Pancratium sickenbergeri</i> to simulated bulb herbivory: combining defence and tolerance strategies. <i>Journal of Ecology</i> , 2002, 90, 472-479.	4.0	31
42	Flea infestation and energy requirements of rodent hosts: are there general rules?. <i>Functional Ecology</i> , 2006, 20, 1028-1036.	3.6	28
43	A Simple Computer-Aided Method for Estimating Radio-Location Error. <i>Journal of Wildlife Management</i> , 1985, 49, 664.	1.8	27
44	Boundary conditions for a two pressure two-phase flow model. <i>Physica D: Nonlinear Phenomena</i> , 1999, 133, 84-105.	2.8	27
45	Zebra migration strategies and anthrax in Etosha National Park, Namibia. <i>Ecosphere</i> , 2017, 8, e01925.	2.2	27
46	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
47	Minimizing extinction probability due to demographic stochasticity in a reintroduced herd of Persian fallow deer <i>Dama dama mesopotamica</i> . <i>Biological Conservation</i> , 1996, 75, 27-33.	4.1	26
48	Seasonal and Circadian Changes in the Home Ranges of Reintroduced Persian Fallow Deer. <i>Journal of Wildlife Management</i> , 2003, 67, 485.	1.8	26
49	EFFECTS OF HUMAN DISTURBANCE ON USE OF SPACE AND FLIGHT DISTANCE OF MOUNTAIN GAZELLES. <i>Journal of Wildlife Management</i> , 2005, 69, 1683-1690.	1.8	26
50	Foraging Time and the Northern Range Limits of Indian Crested Porcupines ( <i>Hystrix indica</i> Kerr). <i>Journal of Biogeography</i> , 1988, 15, 403.	3.0	25
51	Title is missing!. <i>Plant Ecology</i> , 2000, 150, 27-36.	1.6	25
52	Virtual Corridors for Conservation Management. <i>Conservation Biology</i> , 2005, 19, 1997-2003.	4.7	25
53	Leaf compensatory growth as a tolerance strategy to resist herbivory in <i>Panocratium sickenbergeri</i> . <i>Plant Ecology</i> , 2008, 198, 19-26.	1.6	25
54	PREDICTING THE SPATIAL DYNAMICS OF A REINTRODUCED POPULATION: THE PERSIAN FALLOW DEER. , 2005, 15, 1833-1846.		24

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55	Using videotaping to validate the use of spraints as an index of Eurasian otter ( <i>Lutra lutra</i> ) activity. <i>Ecological Indicators</i> , 2008, 8, 462-465.	6.3	24
56	Potatoes and the Nutritional Ecology of Crested Porcupines in a Desert Biome. <i>Journal of Applied Ecology</i> , 1985, 22, 727.	4.0	23
57	Spatio-Temporal Rainfall Variation and Stock Management in Arid Namibia. <i>Journal of Range Management</i> , 2004, 57, 130.	0.3	23
58	Community homogenization and the invasiveness of commensal species in Mediterranean afforested landscapes. <i>Biological Invasions</i> , 2008, 10, 507-515.	2.4	22
59	Multi-scale patterns and bush encroachment in an arid savanna with a shallow soil layer. <i>Journal of Vegetation Science</i> , 2005, 16, 311.	2.2	22
60	Characterizing Core and Corridor Use by Nubian Ibex in the Negev Desert, Israel. <i>Conservation Biology</i> , 2000, 14, 200-206.	4.7	20
61	Host defence versus intraspecific competition in the regulation of infrapopulations of the flea <i>Xenopsylla conformis</i> on its rodent host <i>Meriones crassus</i> . <i>International Journal for Parasitology</i> , 2007, 37, 919-925.	3.1	19
62	Redundancy in seed dispersal by three sympatric ungulates: a reintroduction perspective. <i>Animal Conservation</i> , 2014, 17, 565-572.	2.9	19
63	On the spatial behaviour of Indian crested porcupines ( <i>Hystrix indica</i> ). <i>Journal of Zoology</i> , 1989, 217, 255-266.	1.7	18
64	Comparison of Different Measures of the Error in Simulated Radio-Telemetry Locations. <i>Journal of Wildlife Management</i> , 1990, 54, 169.	1.8	16
65	URINARY CORTISOL AND UREA NITROGEN RESPONSES IN IRREVERSIBLY UNDERNOURISHED MULE DEER FAWNS. <i>Journal of Wildlife Diseases</i> , 1991, 27, 41-46.	0.8	16
66	Using spatially expanding populations as a tool for evaluating landscape planning: The reintroduced Persian fallow deer as a case study. <i>Journal for Nature Conservation</i> , 2008, 16, 164-174.	1.8	16
67	Everybody loses: intraspecific competition induces tragedy of the commons in Allenby's gerbils. <i>Ecology</i> , 2015, 96, 54-61.	3.2	16
68	Patterns of crested porcupine ( <i>Hystrix indica</i> ) damage to cultivated potatoes. <i>Agriculture, Ecosystems and Environment</i> , 1985, 14, 171-183.	5.3	15
69	Determinants of emigration and their impact on survival during dispersal in fox and jackal populations. <i>Scientific Reports</i> , 2016, 6, 24021.	3.3	15
70	Conservation implications of habituation in Nubian ibex in response to ecotourism. <i>Animal Conservation</i> , 2019, 22, 220-227.	2.9	15
71	Using the noninteracting cluster theory to predict the properties of real vapor. <i>Journal of Chemical Physics</i> , 1994, 101, 6038-6051.	3.0	13
72	TWO-PRESSURE TWO-PHASE FLOW. , 1998, , 124-148.		13

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73	Direct behavioral indicators as a conservation and management tool. , 2016, , 307-351.		13
74	Fine-scale temporal and spatial population fluctuations of medium sized carnivores in a Mediterranean agricultural matrix. Landscape Ecology, 2017, 32, 1243.	4.2	13
75	Reintroducing the Persian fallow deer <i>Dama mesopotamica</i> in Israel - a chronology. Animal Production Science, 2011, 51, 251.	1.3	13
76	Urinary Cortisol, Urea Nitrogen Excretion, and Winter Survival in Mule Deer Fawns. Journal of Wildlife Management, 1992, 56, 640.	1.8	12
77	Maternal age is a predominant determinant of progeny sex ratio variation in ungulates: a reply to Hewison et al.. Oikos, 2003, 101, 646-648.	2.7	11
78	THE GOLAN WOLVES: THE DYNAMICS, BEHAVIORAL ECOLOGY, AND MANAGEMENT OF AN ENDANGERED PEST. Israel Journal of Zoology, 2005, 51, 87-133.	0.2	11
79	Conservation implications of competition between generalist and specialist rodents in Mediterranean afforested landscape. Biodiversity and Conservation, 2008, 17, 2513-2523.	2.6	11
80	Past experiences and future expectations generate context-dependent costs of foraging. Behavioral Ecology and Sociobiology, 2014, 68, 1769-1776.	1.4	11
81	Behavior-based management: conservation translocations. , 2016, , 212-246.		11
82	Effects of grazing by re-introduced <i>Equus hemionus</i> on the vegetation in a Negev desert erosion cirque. Journal of Vegetation Science, 1999, 10, 579-586.	2.2	10
83	Two-phase flow analysis of unstable fluid mixing in one-dimensional geometry. Physics of Fluids, 2000, 12, 2461.	4.0	10
84	The effectiveness of various rabies spatial vaccination patterns in a simulated host population with clumped distribution. Ecological Modelling, 2002, 152, 205-211.	2.5	10
85	Simple rules for complex landscapes: the case of hilltopping movements and topography. Oikos, 2013, 122, 1483-1495.	2.7	10
86	Learning and conservation behavior: an introduction and overview. , 2016, , 66-92.		10
87	The role of animal sensory perception in behavior-based management. , 2016, , 149-175.		10
88	The crucial but underrepresented role of philosophy in conservation science curricula. Conservation Biology, 2019, 33, 217-220.	4.7	10
89	TEMPORAL AND SPATIAL INFLUENCES ON ROAD MORTALITY IN OTTERS: CONSERVATION IMPLICATIONS. Israel Journal of Zoology, 2005, 51, 199-207.	0.2	9
90	Simulated dynamics of Arabian Oryx ( <i>Oryx leucoryx</i> ) in the Israeli Negev: Effects of migration corridors and post-reintroduction changes in natality on population viability. Ecological Modelling, 2008, 210, 169-178.	2.5	9

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91	Effect of nest-site microclimatic conditions on nesting success in the Lesser Kestrel <i>Falco naumanni</i> . <i>Bird Study</i> , 2018, 65, 444-450.	1.0	9
92	Faecal pellets, rock shelters, and seasonality: The chemistry of stabling in the Negev of Israel in late prehistory. <i>Journal of Arid Environments</i> , 2020, 181, 104219.	2.4	9
93	Statistical Inference and Decision Making in Conservation Biology. <i>Israel Journal of Ecology and Evolution</i> , 2010, 57, 309-317.	0.6	8
94	Managing anthropogenic driven range expansion behaviourally: Mediterranean bats in desert ecosystems. <i>European Journal of Wildlife Research</i> , 2018, 64, 1.	1.4	8
95	The agricultural landscape matters: spider diversity and abundance in pomegranate orchards as a case study. <i>BioControl</i> , 2019, 64, 583-593.	2.0	8
96	Cattle grazing effects on mountain gazelles in Mediterranean natural landscapes. <i>Journal of Wildlife Management</i> , 2017, 81, 1351-1362.	1.8	7
97	Design and Implementation of Schedule-Based Trading Strategies Based on Uncertainty Bands. <i>Journal of Trading</i> , 2011, 6, 45-52.	0.2	6
98	Effectiveness of Multiple Release Sites in Reintroduction of Persian Fallow Deer. <i>Conservation Biology</i> , 2012, 26, 107-115.	4.7	6
99	Inferring detailed space use from movement paths: A unifying, residence time-based framework. <i>Ecology and Evolution</i> , 2017, 7, 8507-8514.	1.9	6
100	Roads and Road-Posts as an Ecological Trap for Cavity Nesting Desert Birds. <i>Frontiers in Conservation Science</i> , 2020, 1, .	1.9	6
101	Population Differentiation and the Effects of Herbivory and Sand Compaction on the Subterranean Growth of a Desert Lily. <i>Journal of Heredity</i> , 2006, 97, 409-416.	2.4	5
102	Genetic Diversity of the Eurasian Otter ( <i>Lutra lutra</i> ) Population in Israel. <i>Journal of Heredity</i> , 2013, 104, 192-201.	2.4	5
103	Behavioral rigidity in the face of rapid anthropogenic changes. , 2016, , 95-120.		5
104	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
105	Unequal density dependence between survival and recruitment affects harvesting effectiveness. <i>Journal of Wildlife Management</i> , 2018, 82, 1756-1766.	1.8	5
106	Estimating the Suitability for the Reintroduced Arabian Oryx ( <i>Oryx leucoryx</i> , Pallas 1777) of Two Desert Environments by NIRS-Aided Fecal Chemistry. <i>Remote Sensing</i> , 2021, 13, 1876.	4.0	5
107	Settling in: Reintroduced Persian Fallow Deer Adjust the Borders and Habitats of Their Home-Range During the First 5 Years Post Release. <i>Frontiers in Conservation Science</i> , 2021, 2, .	1.9	5
108	Effect of Time and Snow Dilution on Cortisol: Creatinine Ratios in Mule Deer Urine. <i>Journal of Wildlife Management</i> , 1993, 57, 397.	1.8	4

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109	The effects of herbivory and resource variability on the production of a second inflorescence by the desert lily, <i>Pancreatium sickenbergeri</i> . <i>Plant Ecology</i> , 2006, 186, 47-55.	1.6	4
110	Anthropogenic impacts on behavior: the pros and cons of plasticity. , 2016, , 121-146.		4
111	Introduction: the whys and the hows of conservation behavior. , 2016, , 3-35.		4
112	Editorial Comment: Performance and Cognition. <i>Theatre Journal</i> , 2007, 59, ix-xiii.	0.0	3
113	Long-term reevaluation of spatially explicit models as a means for adaptive wildlife management. <i>Ecological Applications</i> , 2020, 30, e02088.	3.8	3
114	Finding a Home: Stopping Theory and Its Application to Home Range Establishment in a Novel Environment. <i>Frontiers in Conservation Science</i> , 2021, 2, .	1.9	3
115	From individual behavior to population viability: implications for conservation and management. , 2016, , 247-274.		2
116	A long-term systematic approach to planning reintroductions: the Persian fallow deer and the Arabian oryx in Israel. <i>Animal Conservation</i> , 1998, 1, 245-252.	2.9	2
117	Effect of supplemental feeding on nesting success in the Lesser Kestrel ( <i>Falco naumanni</i> ). <i>Israel Journal of Ecology and Evolution</i> , 2019, 65, 71-76.	0.6	2
118	The value of faecal N in monitoring dietary quality in desert ungulates: The Arabian oryx as a model. <i>Journal of Arid Environments</i> , 2022, 201, 104750.	2.4	2
119	On otter spraints, the advancement of science, and analogies: A reply to Calzada et al.. <i>Ecological Indicators</i> , 2010, 10, 562-563.	6.3	1
120	Behavior-based contributions to reserve design and management. , 0, , 176-211.		1
121	Nest-site fidelity in Lesser Kestrels: a case of Winâ€™Stay/Loseâ€™Shift?. <i>Israel Journal of Ecology and Evolution</i> , 2019, 65, 106-110.	0.6	1
122	<i>Wildlife Management</i> . , 2024, , 402-409.		1
123	<i>Wildlife Management</i> . , 2013, , 403-407.		0
124	Endozoochory by the Persian fallow deer ( <i>Dama mesopotamica</i> ) reintroduced in Israel: species richness and germination success. <i>Israel Journal of Ecology and Evolution</i> , 2016, 63, 1-7.	0.6	0
125	Behavior-based management: using behavioral knowledge to improve conservation and management efforts. , 2016, , 147-148.		0
126	Indirect behavioral indicators and their uses in conservation and management. , 0, , 352-375.		0



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127	Evolution and conservation behavior. , 0, , 36-65.		0
128	Anthropogenic impacts on animal behavior and their implications for conservation and management. , 0, , 93-94.		0
129	Evaluation of noninvasive genetic methods for Nubian ibex. Conservation Genetics Resources, 2017, 9, 181-183.	0.8	0
130	Changes in wildlife temporal niche should concern conservationists. , 2018, , .		0