

David B Lank

List of Publications by Year in descending order

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76
papers

3,428
citations

186265

28
h-index

155660

55
g-index

79
all docs

79
docs citations

79
times ranked

2979
citing authors

#	ARTICLE	IF	CITATIONS
1	A supergene determines highly divergent male reproductive morphs in the ruff. <i>Nature Genetics</i> , 2016, 48, 79-83.	21.4	411
2	Genetic polymorphism for alternative mating behaviour in lekking male ruff <i>Philomachus pugnax</i> . <i>Nature</i> , 1995, 378, 59-62.	27.8	334
3	Signaling Individual Identity versus Quality: A Model and Case Studies with Ruffs, Queleas, and House Finches. <i>American Naturalist</i> , 2001, 158, 75-86.	2.1	199
4	Effects of predation danger on migration strategies of sandpipers. <i>Oikos</i> , 2003, 103, 303-319.	2.7	156
5	Western sandpipers have altered migration tactics as peregrine falcon populations have recovered. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 1263-1269.	2.6	143
6	BLOOD ISOTOPIC ($\delta^{13}C$ AND $\delta^{15}N$) TURNOVER AND DIET-TISSUE FRACTIONATION FACTORS IN CAPTIVE DUNLIN (<i>CALIDRIS ALPINA PACIFICA</i>). <i>Auk</i> , 2004, 121, 170.	1.4	137
7	Trade-offs, condition dependence and stopover site selection by migrating sandpipers. <i>Journal of Avian Biology</i> , 2002, 33, 47-55.	1.2	113
8	The rate of telomere loss is related to maximum lifespan in birds. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018, 373, 20160445.	4.0	109
9	Unexpected diversity in socially synchronized rhythms of shorebirds. <i>Nature</i> , 2016, 540, 109-113.	27.8	105
10	Death and danger at migratory stopovers: problems with "predation risk". <i>Journal of Avian Biology</i> , 2003, 34, 225-228.	1.2	90
11	Testosterone-induced male traits in female ruffs (<i>Philomachus pugnax</i>): autosomal inheritance and gender differentiation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 2323-2330.	2.6	85
12	Western Sandpipers (<i>Calidris mauri</i>) During the Nonbreeding Season: Spatial Segregation on a Hemispheric Scale. <i>Auk</i> , 2002, 119, 922-928.	1.4	74
13	Conditional lekking in ruff (<i>Philomachus pugnax</i>). <i>Behavioral Ecology and Sociobiology</i> , 1987, 20, 137-145.	1.4	72
14	Effects of predator landscapes on the evolutionary ecology of routing, timing and molt by long-distance migrants. <i>Journal of Avian Biology</i> , 2007, 38, 523-529.	1.2	60
15	Seasonal Declines in the Fecundity of Arctic-Breeding Sandpipers: Different Tactics in Two Species with an Invariant Clutch Size. <i>Journal of Avian Biology</i> , 1999, 30, 460.	1.2	58
16	The resident's dilemma: a female choice model for the evolution of alternative mating strategies in lekking male ruffs (<i>Philomachus pugnax</i>). <i>Behavioral Ecology</i> , 1997, 8, 218-225.	2.2	56
17	Effects of predator landscapes on the evolutionary ecology of routing, timing and molt by long-distance migrants. <i>Journal of Avian Biology</i> , 2007, 38, 523-529.	1.2	53
18	Effects of geolocators on hatching success, return rates, breeding movements, and change in body mass in 16 species of Arctic-breeding shorebirds. <i>Movement Ecology</i> , 2016, 4, 12.	2.8	51

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19	Migratory connectivity of Semipalmated Sandpipers and implications for conservation. <i>Condor</i> , 2017, 119, 207-224.	1.6	50
20	Mate guarding, copulation strategies and paternity in the sex-role reversed, socially polyandrous red-necked phalarope <i>Phalaropus lobatus</i> . <i>Behavioral Ecology and Sociobiology</i> , 2004, 57, 110-118.	1.4	47
21	Winter body mass and over-ocean flocking as components of danger management by Pacific dunlins. <i>BMC Ecology</i> , 2010, 10, 1.	3.0	45
22	Breeding Area Fidelity, Natal Philopatry, and the Social Systems of Sandpipers. , 1984, , 125-147.		45
23	Environmental and ecological conditions at Arctic breeding sites have limited effects on true survival rates of adult shorebirds. <i>Auk</i> , 2018, 135, 29-43.	1.4	40
24	Geographic variation in the intensity of warming and phenological mismatch between Arctic shorebirds and invertebrates. <i>Ecological Monographs</i> , 2019, 89, e01383.	5.4	39
25	VARIATION IN THE WING MORPHOLOGY OF WESTERN SANDPIPERS (<i>CALIDRIS MAURI</i>) IN RELATION TO SEX, AGE CLASS, AND ANNUAL CYCLE. <i>Auk</i> , 2007, 124, 1037.	1.4	38
26	Ecological correlates of mate fidelity in two Arctic-breeding sandpipers. <i>Canadian Journal of Zoology</i> , 2000, 78, 1948-1958.	1.0	35
27	Variation in the Wing Morphology of Western Sandpipers (<i>Calidris Mauri</i>) in Relation to Sex, Age Class, and Annual Cycle. <i>Auk</i> , 2007, 124, 1037-1046.	1.4	34
28	Effects of environmental conditions on reproductive effort and nest success of Arctic breeding shorebirds. <i>Ibis</i> , 2018, 160, 608-623.	1.9	34
29	A dominant allele controls development into female mimic male and diminutive female ruffs. <i>Biology Letters</i> , 2013, 9, 20130653.	2.3	33
30	Life history varies with migratory distance in western sandpipers <i>Calidris mauri</i> . <i>Journal of Avian Biology</i> , 2005, 36, 191-202.	1.2	32
31	Migratory Connectivity of Semipalmated Sandpipers: Winter Distribution and Migration Routes of Breeding Populations. <i>Waterbirds</i> , 2012, 35, 83-95.	0.3	32
32	Life history tradeoffs revealed by seasonal declines in reproductive traits of Arctic breeding shorebirds. <i>Journal of Avian Biology</i> , 2018, 49, jav-01531.	1.2	29
33	Visual Signals for Individual Identification: The Silent "Song" of Ruffs. <i>Auk</i> , 2001, 118, 759-765.	1.4	27
34	Habitat Selection and Breeding Success in a Forest-nesting Alcid, the Marbled Murrelet, in Two Landscapes with Different Degrees of Forest Fragmentation. <i>Landscape Ecology</i> , 2006, 21, 107-120.	4.2	24
35	SEX, AGE, AND BODY SIZE DISTRIBUTIONS OF WESTERN SANDPIPERS DURING THE NONBREEDING SEASON WITH RESPECT TO LOCAL HABITAT. <i>Condor</i> , 2006, 108, 547.	1.6	23
36	Migration of two calidrid sandpiper species on the predator landscape: how stopover time and hence migration speed vary with geographical proximity to danger. <i>Journal of Avian Biology</i> , 2011, 42, 522-529.	1.2	23

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37	Differential Migration in Western Sandpipers with Respect to Body Size and Wing Length. <i>Condor</i> , 2006, 108, 225.	1.6	22
38	Influence of landscape pattern on breeding distribution and success in a threatened Alcid, the marbled murrelet: model transferability and management implications. <i>Journal of Applied Ecology</i> , 2007, 44, 748-759.	4.0	22
39	Foraging behaviour of non-breeding Western Sandpipers <i>Calidris mauri</i> as a function of sex, habitat and flocking. <i>Ibis</i> , 2008, 150, 518-526.	1.9	22
40	Long-term continental changes in wing length, but not bill length, of a long-distance migratory shorebird. <i>Ecology and Evolution</i> , 2017, 7, 3243-3256.	1.9	22
41	Delayed egg-laying and shortened incubation duration of Arctic-breeding shorebirds coincide with climate cooling. <i>Ecology and Evolution</i> , 2018, 8, 1339-1351.	1.9	22
42	FREQUENCY-DEPENDENT FITNESS CONSEQUENCES OF INTRASPECIFIC NEST PARASITISM IN SNOW GEESE. <i>Evolution; International Journal of Organic Evolution</i> , 1990, 44, 1436-1453.	2.3	21
43	Differential Migration in Western Sandpipers with Respect to Body Size and Wing Length. <i>Condor</i> , 2006, 108, 225-232.	1.6	21
44	The redistribution of non-breeding dunlins in response to the post-DDT recovery of falcons. <i>Oecologia</i> , 2017, 183, 1101-1110.	2.0	21
45	Gene expression divergence and nucleotide differentiation between males of different color morphs and mating strategies in the ruff. <i>Ecology and Evolution</i> , 2012, 2, 2485-2505.	1.9	20
46	Mortality-minimizing sandpipers vary stopover behavior dependent on age and geographic proximity to migrating predators. <i>Behavioral Ecology and Sociobiology</i> , 2014, 68, 827-838.	1.4	20
47	Range-wide patterns of migratory connectivity in the western sandpiper <i>Calidris mauri</i> . <i>Journal of Avian Biology</i> , 2012, 43, 155-167.	1.2	17
48	Relationship Between Stopover Site Choice of Migrating Sandpipers, Their Population Status, and Environmental Stressors. <i>Israel Journal of Ecology and Evolution</i> , 2007, 53, 245-261.	0.6	16
49	Annual adult survival drives trends in Arctic-breeding shorebirds but knowledge gaps in other vital rates remain. <i>Condor</i> , 2020, 122, .	1.6	16
50	Providing parental care entails variable mating opportunity costs for male Temminck's stints. <i>Behavioral Ecology and Sociobiology</i> , 2014, 68, 1261-1272.	1.4	14
51	Large and irregular population fluctuations in migratory Pacific (<i>Calidris alpina pacifica</i>) and Atlantic (<i>C. a. hudsonica</i>) dunlins are driven by density-dependence and climatic factors. <i>Population Ecology</i> , 2015, 57, 551-567.	1.2	14
52	Breeding chronology of Marbled Murrelets varies between coastal and inshore sites in southern British Columbia. <i>Journal of Field Ornithology</i> , 2005, 76, 357-367.	0.5	13
53	Migrant Semipalmated Sandpipers (<i>Calidris pusilla</i>) Have Over Four Decades Steadily Shifted Towards Safer Stopover Locations. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	13
54	Male mate choice, male availability and egg production as limitations on polyandry in the red-necked phalarope. <i>Animal Behaviour</i> , 2004, 67, 847-853.	1.9	12

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55	Do sex and habitat differences in antipredator behavior of Western Sandpipers <i>Calidris mauri</i> reflect cumulative or compensatory processes?. <i>Journal of Ornithology</i> , 2010, 151, 665-672.	1.1	11
56	Genetic mapping of the female mimic morph locus in the ruff. <i>BMC Genetics</i> , 2013, 14, 109.	2.7	11
57	Sex ratio varies with egg investment in the red-necked phalarope (<i>Phalaropus lobatus</i>). <i>Behavioral Ecology and Sociobiology</i> , 2014, 68, 1939-1949.	1.4	11
58	Development of intraspecific size variation in black coucals, white-browed coucals and ruffs from hatching to fledging. <i>Journal of Avian Biology</i> , 2020, 51, .	1.2	11
59	Interplay between physical and predator landscapes affects transferability of shorebird distribution models. <i>Landscape Ecology</i> , 2009, 24, 129-144.	4.2	10
60	Does predation danger on southward migration curtail parental investment by female western sandpipers?. <i>Animal Migration</i> , 2014, 2, .	1.0	10
61	More than just refuelling: lengthy stopover and selection of departure weather by sandpipers prior to transoceanic and transcontinental flights. <i>Ibis</i> , 2021, 163, 519-535.	1.9	10
62	Gene Expression Modification by an Autosomal Inversion Associated With Three Male Mating Morphs. <i>Frontiers in Genetics</i> , 2021, 12, 641620.	2.3	10
63	Predictors of invertebrate biomass and rate of advancement of invertebrate phenology across eight sites in the North American Arctic. <i>Polar Biology</i> , 2021, 44, 237-257.	1.2	9
64	Visual Signals for Individual Identification: The Silent "Song" of Ruffs. <i>Auk</i> , 2001, 118, 759.	1.4	9
65	Intralocus conflicts associated with a supergene. <i>Nature Communications</i> , 2022, 13, 1384.	12.8	9
66	Effects of migration distance on life history strategies of Western and Semipalmated sandpipers in Peru. <i>Journal of Field Ornithology</i> , 2016, 87, 293-308.	0.5	8
67	Oversummering juvenile and adult Semipalmated sandpipers in Peru gain enough survival to compensate for foregone breeding opportunity. <i>Movement Ecology</i> , 2020, 8, 42.	2.8	7
68	Isolation, characterization and predicted genome locations of ruff (<i>Philomachus pugnax</i> , AVES) microsatellite loci. <i>Conservation Genetics Resources</i> , 2012, 4, 763-771.	0.8	5
69	Effects of leg flags on nest survival of four species of Arctic-breeding shorebirds. <i>Journal of Field Ornithology</i> , 2018, 89, 287-297.	0.5	5
70	Feather isotope analysis discriminates age-classes of Western, Least, and Semipalmated sandpipers when plumage methods are unreliable. <i>Journal of Field Ornithology</i> , 2009, 80, 51-63.	0.5	4
71	Territorial behavior of Western Sandpipers on their nonbreeding grounds: effect of sex and foraging interference. <i>Journal of Field Ornithology</i> , 2012, 83, 272-281.	0.5	2
72	A monitoring framework for assessing threats to nonbreeding shorebirds on the Pacific Coast of the Americas. <i>Avian Conservation and Ecology</i> , 2020, 15, .	0.8	2

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73	Marbled Murrelets prefer stratified waters close to freshwater inputs in Haida Gwaii, British Columbia, Canada. <i>Condor</i> , 2021, 123, .	1.6	2
74	Danger, risk and anti-predator behavior in the life history of long-distance migratory sandpipers. <i>Journal of Avian Biology</i> , 2022, 2022, .	1.2	2
75	Effects of predator exclosures on nest survival of Red-necked Phalaropes. <i>Wader Study</i> , 2017, 124, 26-32.	0.4	1
76	Low Frequencies of Supernormal Clutches in the Southern Dunlin and the Temminck's Stint. <i>Ardea</i> , 2019, 107, 61.	0.6	1