Etienne Danchin

List of Publications by Year
in descending order

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128 papers	9,440 citations	50276 46 h-index	40979 93 g-index
131 all docs	131 docs citations	131 times ranked	6529 citing authors

#	Article	IF	Citations
1	Public Information: From Nosy Neighbors to Cultural Evolution. Science, 2004, 305, 487-491.	12.6	1,378
2	Beyond DNA: integrating inclusive inheritance into an extended theory of evolution. Nature Reviews Genetics, 2011, 12, 475-486.	16.3	613
3	Public Information and Breeding Habitat Selection in a Wild Bird Population. Science, 2002, 297, 1168-1170.	12.6	448
4	CONSPECIFIC REPRODUCTIVE SUCCESS AND BREEDING HABITAT SELECTION: IMPLICATIONS FOR THE STUDY OF COLONIALITY. Ecology, 1998, 79, 2415-2428.	3.2	430
5	The evolution of coloniality: the emergence of new perspectives. Trends in Ecology and Evolution, 1997, 12, 342-347.	8.7	372
6	Individual Covariation in Lifeâ€History Traits: Seeing the Trees Despite the Forest. American Naturalist, 2002, 159, 96-105.	2.1	341
7	When to use public information for breeding habitat selection? The role of environmental predictability and density dependence. Animal Behaviour, 2003, 66, 973-988.	1.9	262
8	The use of conspecific reproductive success for breeding patch selection in terrestrial migratory species. Evolutionary Ecology, 1997, 11, 505-517.	1.2	255
9	Informed Dispersal. , 1999, , 189-259.		214
10	Public Versus Personal Information for Mate Copying in an Invertebrate. Current Biology, 2009, 19, 730-734.	3.9	201
11	Timing of Prospecting and the Value of Information in a Colonial Breeding Bird. Journal of Avian Biology, 1996, 27, 252.	1.2	172
12	ARE ADULT NONBREEDERS PRUDENT PARENTS? THE KITTIWAKE MODEL. Ecology, 1998, 79, 2917-2930.	3.2	167
13	Adaptation to Global Change: A Transposable Elementâ€“Epigenetics Perspective. Trends in Ecology and Evolution, 2016, 31, 514-526.	8.7	163
14	The Evolution of Coloniality in Birds in Relation to Food, Habitat, Predation, and Lifeâ€History Traits: A Comparative Analysis. American Naturalist, 1998, 151, 514-529.	2.1	161
15	The use of conspecific reproductive success for breeding habitat selection in a non-colonial, hole-nesting species, the collared flycatcher. Journal of Animal Ecology, 1999, 68, 1193-1206.	2.8	160
16	Balanced Dispersal Between Spatially Varying Local Populations: An Alternative To The Sourceâ€Sink Model. American Naturalist, 1997, 150, 425-445.	2.1	158
17	Cultural flies: Conformist social learning in fruitflies predicts long-lasting mate-choice traditions. Science, 2018, 362, 1025-1030.	12.6	157
18	Availability and use of public information and conspecific density for settlement decisions in the collared flycatcher. Journal of Animal Ecology, 2004, 73, 75-87.	2.8	147

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19	Breeding habitat selection in cliff swallows: the effect of conspecific reproductive success on colony choice. Journal of Animal Ecology, 2000, 69, 133-142.	2.8	126
20	The heterospecific habitat copying hypothesis: can competitors indicate habitat quality?. Behavioral Ecology, 2005, 16, 96-105.	2.2	121
21	Age-related differences in the cloacal microbiota of a wild bird species. BMC Ecology, 2013, 13, 11.	3.0	116
22	Prospecting in the kittiwake, Rissa tridactyla: different behavioural patterns and the role of squatting in recruitment. Animal Behaviour, 1994, 47, 847-856.	1.9	108
23	Prospecting in the collared flycatcher: gathering public information for future breeding habitat selection?. Animal Behaviour, 2004, 67, 457-466.	1.9	106
24	A taxonomy of biological information. Oikos, 2010, 119, 203-209.	2.7	105
25	The Missing Response to Selection in the Wild. Trends in Ecology and Evolution, 2018, 33, 337-346.	8.7	102
26	Inclusive heritability: combining genetic and nonâ€genetic information to study animal behavior and culture. Oikos, 2010, 119, 210-218.	2.7	91
27	Can non-breeding be a cost of breeding dispersal?. Behavioral Ecology and Sociobiology, 2002, 51, 153-163.	1.4	84
28	High Survival Estimates of Griffon Vultures (Gyps Fulvus Fulvus) in a Reintroduced Population. Auk, 1994, 111, 853-862.	1.4	82
29	Avatars of information: towards an inclusive evolutionary synthesis. Trends in Ecology and Evolution, 2013, 28, 351-358.	8.7	82
30	Sexually transmitted bacteria affect female cloacal assemblages in a wild bird. Ecology Letters, 2010, 13, 1515-1524.	6.4	81
31	Epigenetically facilitated mutational assimilation: epigenetics as a hub within the inclusive evolutionary synthesis. Biological Reviews, 2019, 94, 259-282.	10.4	75
32	Breeding biology during establishment of a reintroduced Griffon Vulture Gyps fulvus population. Ibis, 1996, 138, 315-325.	1.9	70
33	BLUE TITS USE FLEDGLING QUANTITY AND QUALITY AS PUBLIC INFORMATION IN BREEDING SITE CHOICE. Ecology, 2007, 88, 2373-2382.	3.2	69
34	Population trends in Kittiwake Rissa tridactyla colonies in relation to tick infestation. Ibis, 1996, 138, 326-334.	1.9	66
35	Is Non-genetic Inheritance Just a Proximate Mechanism? A Corroboration of the Extended Evolutionary Synthesis. Biological Theory, 2013, 7, 189-195.	1.5	63
36	Brood size manipulation affects frequency of second clutches in the blue tit. Behavioral Ecology and Sociobiology, 2006, 60, 184-194.	1.4	59

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37	Preen secretions encode information on MHC similarity in certain sex-dyads in a monogamous seabird. Scientific Reports, 2014, 4, 6920.	3.3	57
38	Colonies as byproducts of commodity selection. Behavioral Ecology, 2000, 11, 572-573.	2.2	55
39	Semiochemical compounds of preen secretion reflect genetic make-up in a seabird species. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 1185-1193.	2.6	55
40	Sex ratio and male sexual characters in a population of blue tits, Parus caeruleus. Behavioral Ecology, 2006, 17, 13-19.	2.2	54
41	Does predation select for or against avian coloniality? A comparative analysis. Journal of Evolutionary Biology, 2007, 20, 1490-1503.	1.7	51
42	Measuring aggregation of parasites at different host population levels. Parasitology, 1996, 112, 581-587.	1.5	50
43	Female choice of young sperm in a genetically monogamous bird. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, S134-7.	2.6	50
44	Functions of courtship feeding in black-legged kittiwakes: natural and sexual selection. Animal Behaviour, 2003, 65, 1027-1033.	1.9	49
45	LOW FREQUENCY OF EXTRA-PAIR PATERNITY AND HIGH FREQUENCY OF ADOPTION IN BLACK-LEGGED KITTIWAKES. Condor, 2004, 106, 149.	1.6	48
46	Multiple deleterious effects of experimentally aged sperm in a monogamous bird. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 13947-13952.	7.1	48
47	An individual and a sex odor signature in kittiwakes? Study of the semiochemical composition of preen secretion and preen down feathers. Die Naturwissenschaften, 2011, 98, 615-624.	1.6	46
48	Parentâ€“offspring regression suggests heritable susceptibility to ectoparasites in a natural population of kittiwake. Journal of Evolutionary Biology, 1997, 10, 77.	1.7	44
49	Assortative Mating and Sexual Size Dimorphism in Black-legged Kittiwakes. Waterbirds, 2004, 27, 350-354.	0.3	43
50	Conspecifics as informers and competitors: an experimental study in foraging bumble-bees. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 2806-2813.	2.6	42
51	When not to copy: female fruit flies use sophisticated public information to avoid mated males. Scientific Reports, 2012, 2, 768.	3.3	42
52	Inheritance is where physiology meets evolution. Journal of Physiology, 2014, 592, 2307-2317.	2.9	42
53	Drosophila mate copying correlates with atmospheric pressure inÂaÂspeed learning situation. Animal Behaviour, 2016, 121, 163-174.	1.9	42
54	Testing habitat copying in breeding habitat selection in a species adapted to variable environments. Ibis, 2006, 148, 146-154.	1.9	40

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55	Food availability and offspring sex in a monogamous seabird: insights from an experimental approach. Behavioral Ecology, 2012, 23, 751-758.	2.2	39
56	Inadvertent social information in foraging bumblebees: effects of flower distribution and implications for pollination. Animal Behaviour, 2008, 76, 1863-1873.	1.9	38
57	Evidence that pairing with genetically similar mates is maladaptive in a monogamous bird. BMC Evolutionary Biology, 2009, 9, 147.	3.2	35
58	The role of public information in ecology and conservation: an emphasis on inadvertent social information. Annals of the New York Academy of Sciences, 2010, 1195, 149-168.	3.8	35
59	Epigenetics and insect polyphenism: mechanisms and climate change impacts. Current Opinion in Insect Science, 2019, 35, 138-145.	4.4	35
60	Evolution without standing genetic variation: change in transgenerational plastic response under persistent predation pressure. Heredity, 2018, 121, 266-281.	2.6	34
61	Dispersal and Distribution of the Tick Ixodes uriae within and among Seabird Host Populations: The Need for a Population Genetic Approach. Journal of Parasitology, 1999, 85, 196.	0.7	33
62	Polymorphic microsatellites in the black-legged kittiwake Rissa tridactyla. Molecular Ecology Notes, 2002, 2, 431-433.	1.7	32
63	The behaviour associated with the occupation of breeding site in the kittiwake gull Rissa tridactyla: the social status of landing birds. Animal Behaviour, 1987, 35, 81-93.	1.9	31
64	Behavioral and physiological responses to male handicap in chick-rearing black-legged kittiwakes. Behavioral Ecology, 2011, 22, 1156-1165.	2.2	31
65	Settlement decisions in blue tits: difference in the use of social information according to age and individual success. Die Naturwissenschaften, 2007, 94, 749-757.	1.6	28
66	Informative content of melaninâ€based plumage colour in adult Eurasian kestrels. Journal of Avian Biology, 2011, 42, 49-60.	1.2	28
67	Early in life effects and heredity: reconciling neo-Darwinism with neo-Lamarckism under the banner of the inclusive evolutionary synthesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180113.	4.0	28
68	AN EXPERIMENTAL STUDY OF THE COSTS OF REPRODUCTION IN THE KITTIWAKERISSA TRIDACTYLA: COMMENT. Ecology, 1997, 78, 1284-1287.	3.2	27
69	Sexual conflict over sperm ejection in monogamous pairs of kittiwakes Rissa tridactyla. Behavioral Ecology and Sociobiology, 2003, 54, 370-376.	1.4	27
70	Is natural hatching asynchrony optimal? An experimental investigation of sibling competition patterns in a facultatively siblicidal seabird. Behavioral Ecology and Sociobiology, 2014, 68, 309-319.	1.4	27
71	Overwintering aggregations are part of Hippodamia undecimnotataâ€™s (Coleoptera: Coccinellidae) mating system. PLoS ONE, 2018, 13, e0197108.	2.5	27
72	Sustained increase in food supplies reduces broodmate aggression in black-legged kittiwakes. Animal Behaviour, 2010, 79, 1095-1100.	1.9	26

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73	Informative content of multiple plumage-coloured traits in female and male European Rollers. Behavioral Ecology and Sociobiology, 2008, 62, 1969-1979.	1.4	25
74	Incestuous Sisters: Mate Preference for Brothers over Unrelated Males in Drosophila melanogaster. PLoS ONE, 2012, 7, e51293.	2.5	25
75	Dopamine and Serotonin Are Both Required for Mate-Copying in Drosophila melanogaster. Frontiers in Behavioral Neuroscience, 2018, 12, 334.	2.0	24
76	Do great tits rely on inadvertent social information from blue tits? A habitat selection experiment. Behavioral Ecology and Sociobiology, 2008, 62, 1569-1579.	1.4	22
77	Integument coloration signals reproductive success, heterozygosity, and antioxidant levels in chick-rearing black-legged kittiwakes. Die Naturwissenschaften, 2011, 98, 773-782.	1.6	22
78	Effects of a sex ratio gradient on female mate-copying and choosiness in Drosophila melanogaster. Environmental Epigenetics, 2018, 64, 251-258.	1.8	22
79	Mate-copying for a costly variant in Drosophila melanogaster females. Behavioral Ecology, 2018, 29, 1150-1156.	2.2	20
80	Epigenetics in ecology and evolution. Functional Ecology, 2020, 34, 381-384.	3.6	20
81	The Double Pedigree: A Method for Studying Culturally and Genetically Inherited Behavior in Tandem. PLoS ONE, 2013, 8, e61254.	2.5	19
82	Conditionâ€dependent genetic benefits of extrapair fertilization in female blue tits Cyanistes caeruleus. Journal of Evolutionary Biology, 2008, 21, 1814-1822.	1.7	18
83	Reproductive effort and oxidative stress: effects of offspring sex and number on the physiological state of a longâ€lived bird. Functional Ecology, 2017, 31, 1201-1209.	3.6	18
84	Non-independence of individuals in a population of Drosophila melanogaster: effects on spatial distribution and dispersal. Comptes Rendus De L'AcadÃ©mie Des Sciences SÃ©rie 3, Sciences De La Vie, 2001, 324, 219-227.	0.8	17
85	Identifying the selective pressures underlying offspring sex-ratio adjustments: a case study in a wild seabird. Behavioral Ecology, 2015, 26, 916-925.	2.2	17
86	Mate copying in Drosophila melanogaster males. Animal Behaviour, 2018, 141, 9-15.	1.9	17
87	Mate-choice copying in Drosophila melanogaster: Impact of demonstration conditions and maleâ€“male competition. Behavioural Processes, 2016, 125, 76-84.	1.1	16
88	Beyond social learning. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200050.	4.0	16
89	Experimental evidence of vocal recognition in young and adult black-legged kittiwakes. Animal Behaviour, 2008, 76, 1855-1861.	1.9	15
90	Do invertebrates have culture?. Communicative and Integrative Biology, 2010, 3, 303-305.	1.4	15

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91	Social interactions in kittiwake colonies: social facilitation and/or favourable social environment. Animal Behaviour, 1988, 36, 443-451.	1.9	14
92	Family size and sex-specific parental effort in black-legged kittiwakes. Behaviour, 2010, 147, 1841-1862.	0.8	14
93	Carotenoids increase immunity and sex specifically affect color and redox homeostasis in a monochromatic seabird. Behavioral Ecology and Sociobiology, 2015, 69, 1097-1111.	1.4	14
94	Voice variance may signify ongoing divergence among black-legged kittiwake populations. Biological Journal of the Linnean Society, 0, 97, 289-297.	1.6	13
95	Different phenotypic plastic responses to predators observed among aphid lineages specialized on different host plants. Scientific Reports, 2019, 9, 9017.	3.3	13
96	The role of parentâ€“offspring interactions during and after fledging in the Black-legged Kittiwake. Behavioural Processes, 2008, 79, 1-6.	1.1	12
97	Sex and hatching order modulate the association between MHCâ€II diversity and fitness in earlyâ€life stages of a wild seabird. Molecular Ecology, 2020, 29, 3316-3329.	3.9	12
98	Can Kittiwakes smell? Experimental evidence in a Larid species. Ibis, 2009, 151, 584-587.	1.9	11
99	Maternal effects as drivers of sibling competition in a parentâ€“offspring conflict context? An experimental test. Ecology and Evolution, 2016, 6, 3699-3710.	1.9	11
100	Benefits of Membership. Science, 2000, 287, 803e-803.	12.6	10
101	Avoiding pitfalls in estimating heritability with the common options approach. Scientific Reports, 2014, 4, 3974.	3.3	8
102	Physiological and fitness correlates of experimentally altered hatching asynchrony magnitude in chicks of a wild seabird. General and Comparative Endocrinology, 2014, 198, 32-38.	1.8	7
103	The evolution of coloniality: does commodity selection explain it all? Reply to Tella, Hiraldo and DonÃ¡zar. Trends in Ecology and Evolution, 1998, 13, 76.	8.7	6
104	Physiology and evolution at the crossroads of plasticity and inheritance. Journal of Physiology, 2015, 593, 2243-2243.	2.9	6
105	Experimental evidence of a sexually transmitted infection in a wild vertebrate, the black-legged kittiwake (Rissa tridactyla). Biological Journal of the Linnean Society, 2019, 127, 292-298.	1.6	6
106	Response to Kalchhauser et al.: Inherited Gene Regulation Is not Enough to Understand Nongenetic Inheritance. Trends in Ecology and Evolution, 2021, 36, 475-476.	8.7	6
107	Les Comportements Lies a L'Occupation Du Site De Reproduction Chez La Mouette Tridactyle (Rissa) Tj ETQq1 1 0.784314 rgBT /Ove	0.8	5
108	Red coloration varies with dietary carotenoid access and nutritional condition in kittiwakes. Journal of Experimental Biology, 2019, 222, .	1.7	5

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109	Intraspecific difference among herbivore lineages and their hostâ€plant specialization drive the strength of trophic cascades. Ecology Letters, 2020, 23, 1242-1251.	6.4	5
110	Accumulated gain in a Prisoner's Dilemma: which game is carried out by the players?. Animal Behaviour, 2007, 74, e1-e6.	1.9	4
111	First evidence for a significant effect of the regression to the mean fallacy in mate copying: a comment on Davies et al. Behavioral Ecology, 2020, 31, 1292-1293.	2.2	4
112	The importance of population heterogeneities in detecting social learning as the foundation of animal cultural transmission. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, .	2.6	4
113	Offspring sex-ratio and environmental conditions in a seabird with sex-specific rearing costs: a long-term experimental approach. Evolutionary Ecology, 2019, 33, 417-433.	1.2	3
114	Stress intensity and developmental stability: An experiment in Drosophila melanogaster. Ecoscience, 2004, 11, 271-277.	1.4	2
115	Developmental plasticity varied with sex and position in hatching hierarchy in nestlings of the asynchronous European roller, Coracias garrulus. Biological Journal of the Linnean Society, 0, 99, 500-511.	1.6	2
116	Symmetry of black wingtips is related to clutch size and integument coloration in Black-legged Kittiwakes (Rissa tridactyla). Auk, 2013, 130, 541-547.	1.4	2
117	Behavioural avoidance of sperm ageing depends on genetic similarity of mates in a monogamous seabird. Biological Journal of the Linnean Society, 2019, 128, 170-180.	1.6	2
118	Genetic Assimilation and the Paradox of Blind Variation. , 2017, , .		2
119	MHC-II distance between parents predicts sex allocation decisions in a genetically monogamous bird. Behavioral Ecology, 2022, 33, 245-251.	2.2	2
120	An Experimental Study of the Costs of Reproduction in the Kittiwake Rissa Tridactyla: Comment. Ecology, 1997, 78, 1284.	3.2	1
121	Spying on your neighbours? Social information affects timing of breeding and stress hormone levels in a colonial seabird. Evolutionary Ecology, 2021, 35, 463-481.	1.2	1
122	Lâ€™imitation dans le monde animal. Terrain, 2005, , 91-108.	0.0	1
123	Is Male Unpredictability a Paternity Assurance Strategy?. Behaviour, 2004, 141, 675-690.	0.8	0
124	Response to Comment on â€œCultural flies: Conformist social learning in fruitflies predicts long-lasting mate-choice traditionsâ€• Science, 2019, 366, .	12.6	0
125	Kestrels rely on two different types of social information from conspecifics when choosing breeding habitats. Ecosistemas, 2017, 26, 39-47.	0.4	0
126	New Toulouse-Led Scientific StudyÂReveals Drosophila melanogaster Can Transmit Sexual Preferences Culturally Over The Long Term. , 2018, , .		0

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127	Chapitre 12. Vivre en groupeÂ: hypothÃ¨ses et controverses. , 2021, , 367-405.		0
128	Chapitre 7. La sÃ©lection dâ€™un lieu de reproduction. , 2021, , 171-198.		0