

# Bryan D Neff

## List of Publications by Year in descending order

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Version: 2024-02-01

131  
papers

4,503  
citations

94433

37  
h-index

128289

60  
g-index

170  
all docs

170  
docs citations

170  
times ranked

3927  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hide or seek: presence of stream shelter influences the foraging behaviour of juvenile Atlantic salmon ( <i>Salmo salar</i> , Linnaeus 1758). <i>Environmental Biology of Fishes</i> , 2022, 105, 1-18.	1.0	4
2	Emergent trophic interactions following the Chinook salmon invasion of Patagonia. <i>Ecosphere</i> , 2022, 13, .	2.2	6
3	Upstream and Downstream Dispersal Behavior of Hardâ€and Softâ€Released Juvenile Atlantic Salmon. <i>North American Journal of Fisheries Management</i> , 2022, 42, 438-446.	1.0	0
4	Nonâ€native Chinook salmon add nutrient subsidies and functional novelty to Patagonian streams. <i>Freshwater Biology</i> , 2021, 66, 495-508.	2.4	5
5	Effects of a low-thiamine diet on reproductive traits in three populations of Atlantic salmon targeted for reintroduction into Lake Ontario. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021, 78, 135-143.	1.4	2
6	Innate and learned predator recognition across populations of Atlantic salmon, <i>Salmo salar</i> . <i>Ethology</i> , 2021, 127, 563-571.	1.1	4
7	Similarity at the major histocompatibility complex class II does not influence mating patterns in bluegill ( <i>Lepomis macrochirus</i> ). <i>Behavioral Ecology and Sociobiology</i> , 2020, 74, 1.	1.4	0
8	Effect of isotocin on shoaling behaviour of the Guppy ( <i>Poecilia reticulata</i> ). <i>Animal Cognition</i> , 2020, 23, 827-831.	1.8	3
9	Domestic-wild hybridization to improve aquaculture performance in Chinook salmon. <i>Aquaculture</i> , 2019, 511, 734255.	3.5	11
10	Salmon in clear and present danger. <i>Science</i> , 2019, 366, 582-582.	12.6	1
11	Effects of dietary fishmeal substitution with corn gluten meal and poultry meal on growth rate and flesh characteristics of Chinook salmon ( <i>Oncorhynchus tshawytscha</i> ). <i>International Aquatic Research</i> , 2019, 11, 325-334.	1.5	7
12	Androgen and prolactin manipulation induces changes in aggressive and nurturing behavior in a fish with male parental care. <i>Hormones and Behavior</i> , 2019, 116, 104582.	2.1	11
13	Cannibalism of young is related to low paternity and nest take-overs in an intertidal fish. <i>Animal Behaviour</i> , 2019, 153, 41-48.	1.9	11
14	A test of the effects of androgens on immunity: No relationship between 11-ketotestosterone and immune performance in bluegill ( <i>Lepomis macrochirus</i> ). <i>General and Comparative Endocrinology</i> , 2018, 261, 1-8.	1.8	3
15	Transcriptome response of Atlantic salmon ( <i>Salmo salar</i> ) to competition with ecologically similar nonâ€native species. <i>Ecology and Evolution</i> , 2018, 8, 1769-1777.	1.9	8
16	Hematocrit Is Associated with Thermal Tolerance and Modulated by Developmental Temperature in Juvenile Chinook Salmon. <i>Physiological and Biochemical Zoology</i> , 2018, 91, 757-762.	1.5	24
17	Effects of competition on fitness-related traits. <i>Oecologia</i> , 2017, 183, 701-713.	2.0	6
18	Performance of four salmonids species in competition with Atlantic salmon. <i>Journal of Great Lakes Research</i> , 2017, 43, 211-215.	1.9	10

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19	Evolution of kin recognition mechanisms in a fish. <i>Animal Cognition</i> , 2017, 20, 367-370.	1.8	3
20	Brain Transcriptional Profiles of Male Alternative Reproductive Tactics and Females in Bluegill Sunfish. <i>PLoS ONE</i> , 2016, 11, e0167509.	2.5	25
21	Assortative mating but no evidence of genetic divergence in a species characterized by a trophic polymorphism. <i>Journal of Evolutionary Biology</i> , 2016, 29, 633-644.	1.7	17
22	Relationship between cardiac performance and environment across populations of Atlantic salmon ( <i>Salmo salar</i> ): a common garden experiment implicates local adaptation. <i>Evolutionary Ecology</i> , 2016, 30, 877-886.	1.2	21
23	Competitive effects between rainbow trout and Atlantic salmon in natural and artificial streams. <i>Ecology of Freshwater Fish</i> , 2016, 25, 248-260.	1.4	12
24	Multiple mating predicts intensity but not mechanism of kin recognition. <i>Behavioral Ecology</i> , 2016, 27, 93-100.	2.2	7
25	The Potential for Less Invasive Inference of Resource Use: Covariation in Stable Isotope Composition between Females and Their Eggs in Bluegill. <i>Transactions of the American Fisheries Society</i> , 2015, 144, 283-291.	1.4	3
26	Restoring species through reintroductions: strategies for source population selection. <i>Restoration Ecology</i> , 2015, 23, 746-753.	2.9	70
27	Foraging ecology of native pumpkinseed ( <i>Lepomis gibbosus</i> ) following the invasion of zebra mussels ( <i>Dreissena polymorpha</i> ). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2015, 72, 983-990.	1.4	8
28	Adaptive potential of a Pacific salmon challenged by climate change. <i>Nature Climate Change</i> , 2015, 5, 163-166.	18.8	112
29	Genetic and maternal effects on juvenile survival and fitness-related traits in three populations of Atlantic salmon. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2015, 72, 751-758.	1.4	23
30	Ecomorphological patterns linking morphology and diet across three populations of pumpkinseed sunfish ( <i>Lepomis gibbosus</i> ). <i>Canadian Journal of Zoology</i> , 2015, 93, 289-297.	1.0	18
31	Reply to 'Response of chinook salmon to climate change'. <i>Nature Climate Change</i> , 2015, 5, 615-615.	18.8	4
32	Predictability of multispecies competitive interactions in three populations of Atlantic salmon <i>Salmo salar</i> . <i>Journal of Fish Biology</i> , 2015, 86, 1438-1443.	1.6	2
33	Reproductive success in wild and hatchery male coho salmon. <i>Royal Society Open Science</i> , 2015, 2, 150161.	2.4	21
34	Effects of feeding high dietary thiaminase to sub-adult Atlantic salmon from three populations. <i>Journal of Great Lakes Research</i> , 2015, 41, 898-906.	1.9	21
35	Diet and cannibalism in plainfin midshipman <i>Porichthys notatus</i> . <i>Journal of Fish Biology</i> , 2015, 86, 1396-1415.	1.6	10
36	Effects of Competition with Four Nonnative Salmonid Species on Atlantic Salmon from Three Populations. <i>Transactions of the American Fisheries Society</i> , 2015, 144, 1081-1090.	1.4	12

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37	Androgen effects on immune gene expression during parental care in bluegill sunfish ( <i>Lepomis</i> ). <i>Evolutionary Ecology</i> , 2014, 28, 141-155.	1.0	14
38	Competitive interactions among multiple non-native salmonids and two populations of Atlantic salmon. <i>Ecology of Freshwater Fish</i> , 2015, 24, 44-55.	1.4	27
39	Transcriptional profiling of two Atlantic salmon strains: implications for reintroduction into Lake Ontario. <i>Conservation Genetics</i> , 2015, 16, 277-287.	1.5	12
40	An Evolutionary Primer on Pregnancy. <i>BioScience</i> , 2014, 64, 361-362.	4.9	0
41	Competition and cuckoldry: estimating fitness of alternative reproductive tactics in plainfin midshipman. <i>Behaviour</i> , 2014, 151, 1209-1227.	0.8	19
42	Indirect genetic effects underlie oxygen-limited thermal tolerance within a coastal population of chinook salmon. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141082.	2.6	28
43	Rapid evolution in response to increased temperature maintains population viability despite genetic erosion in a tropical ectotherm. <i>Evolutionary Ecology</i> , 2014, 28, 141-155.	1.2	8
44	Rapid evolution of sperm length in response to increased temperature in an ectothermic fish. <i>Evolutionary Ecology</i> , 2014, 28, 521-533.	1.2	13
45	Comparing population level sexual selection in a species with alternative reproductive tactics. <i>Behavioral Ecology</i> , 2014, 25, 1524-1533.	2.2	13
46	High degree of paternity loss in a species with alternative reproductive tactics. <i>Behavioral Ecology and Sociobiology</i> , 2013, 67, 399-408.	1.4	36
47	Behavioural and genetic analyses of mate choice and reproductive success in two Chinook salmon populations. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2013, 70, 263-270.	1.4	10
48	Androgen-mediated nurturing and aggressive behaviors during paternal care in bluegill sunfish ( <i>Lepomis macrochirus</i> ). <i>Hormones and Behavior</i> , 2013, 63, 454-461.	2.1	20
49	The effects of elevated temperature on the sexual traits, immunology and survivorship of a tropical ectotherm. <i>Journal of Experimental Biology</i> , 2013, 216, 2658-64.	1.7	46
50	Genetic architecture of survival and fitness-related traits in two populations of Atlantic salmon. <i>Heredity</i> , 2013, 111, 513-519.	2.6	22
51	Effects of foraging and sexual selection on ecomorphology of a fish with alternative reproductive tactics. <i>Behavioral Ecology</i> , 2013, 24, 1339-1347.	2.2	6
52	Alternative male reproductive tactics drive asymmetrical hybridization between sunfishes ( <i>Lepomis</i> ). <i>Evolutionary Ecology</i> , 2014, 28, 141-155.	2.3	19
53	The Effect of Nonnative Salmonids on Social Dominance and Growth of Juvenile Atlantic Salmon. <i>Transactions of the American Fisheries Society</i> , 2012, 141, 907-918.	1.4	17
54	The metabolic, locomotor, and sex-dependent effects of elevated temperature on Trinidadian guppies: limited capacity for acclimation. <i>Journal of Experimental Biology</i> , 2012, 215, 3436-41.	1.7	10

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55	Evolution of introduced Chinook salmon ( <i>Oncorhynchus tshawytscha</i> ) in Lake Huron: emergence of population genetic structure in less than 10 generations. <i>Ecology of Freshwater Fish</i> , 2012, 21, 235-244.	1.4	11
56	The influence of non-native salmonids on circulating hormone concentrations in juvenile Atlantic salmon. <i>Animal Behaviour</i> , 2012, 83, 119-129.	1.9	15
57	The effect of competition among three salmonids on dominance and growth during the juvenile life stage. <i>Ecology of Freshwater Fish</i> , 2012, 21, 533-540.	1.4	26
58	Effects of Exogenous Testosterone on Parental Care Behaviours in Male Bluegill Sunfish ( <i>Lepomis microlophus</i> ). <i>Journal of Herpetology</i> , 2011, 45, 191-197.	1.1	10
59	Morphological and swim performance variation among reproductive tactics of bluegill sunfish ( <i>Lepomis macrochirus</i> ). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011, 68, 1802-1810.	1.4	13
60	Conservation and enhancement of wild fish populations: preserving genetic quality versus genetic diversity. This paper is derived from the J.C. Stevenson Memorial Lecture delivered by Bryan Neff at the Canadian Conference for Fisheries Research in Winnipeg, Manitoba, January 2010.. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2011, 68, 1139-1154.	1.4	54
61	Behavioural Interactions and Hormones in Naturally and Hatchery-Spawned Chinook Salmon. <i>Ethology</i> , 2011, 117, 37-48.	1.1	6
62	Effects of Paternal Reproductive Tactic on Juvenile Behaviour and Kin Recognition in Chinook Salmon ( <i>Oncorhynchus tshawytscha</i> ). <i>Ethology</i> , 2011, 117, 451-458.	1.1	5
63	Songbird genetic diversity is lower in anthropogenically versus naturally fragmented landscapes. <i>Conservation Genetics</i> , 2011, 12, 1195-1203.	1.5	12
64	MHC-mediated local adaptation in reciprocally translocated Chinook salmon. <i>Conservation Genetics</i> , 2010, 11, 2333-2342.	1.5	25
65	Pollution-induced behavioural effects in the brown bullhead ( <i>Ameiurus nebulosus</i> ). <i>Ecotoxicology</i> , 2010, 19, 1337-1346.	2.4	21
66	Parasite mediated homogenizing selection at the MHC in guppies. <i>Genetica</i> , 2010, 138, 273-278.	1.1	55
67	MHC genetic structure and divergence across populations of Chinook salmon ( <i>Oncorhynchus tshawytscha</i> ). <i>Journal of Herpetology</i> , 2010, 44, 107-113.	1.0784314	38
68	Dietary carotenoid levels affect carotenoid and retinoid allocation in female Chinook salmon ( <i>Oncorhynchus tshawytscha</i> ). <i>Journal of Fish Biology</i> , 2010, 76, 1474-1490.	1.6	31
69	Quantitative genetic and translocation experiments reveal genotype-by-environment effects on juvenile life-history traits in two populations of Chinook salmon ( <i>Oncorhynchus tshawytscha</i> ). <i>Journal of Evolutionary Biology</i> , 2010, 23, 687-698.	1.7	42
70	Sexual conflict inhibits female mate choice for major histocompatibility complex dissimilarity in Chinook salmon. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 885-894.	2.6	42
71	Not So Fast: Inflation in Impact Factors Contributes to Apparent Improvements in Journal Quality. <i>BioScience</i> , 2010, 60, 455-459.	4.9	46
72	A program to compare genetic differentiation statistics across loci using resampling of individuals and loci. <i>Molecular Ecology Resources</i> , 2010, 10, 546-550.	4.8	23

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73	Selection at the MHC class IIB locus across guppy ( <i>Poecilia reticulata</i> ) populations. <i>Heredity</i> , 2010, 104, 155-167.	2.6	41
74	The importance of freshwater feeding in mature Pacific salmon: a reply to the comment by Armstrong on "Egg consumption in mature Pacific salmon ( <i>Oncorhynchus</i> spp.)" Appears in <i>Can. J. Fish. Aquat. Sci.</i> 66(9):1546-1553.. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2010, 67, 2055-2057.	1.4	2
75	Egg consumption in mature Pacific salmon ( <i>Oncorhynchus</i> spp.). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2009, 66, 1546-1553.	1.4	18
76	Major histocompatibility complex heterozygote advantage and widespread bacterial infections in populations of Chinook salmon ( <i>Oncorhynchus tshawytscha</i> ). <i>Molecular Ecology</i> , 2009, 18, 4716-4729.	3.9	91
77	Microsatellite genetic differentiation among populations of the Trinidadian guppy. <i>Heredity</i> , 2009, 102, 425-434.	2.6	64
78	Kinship affects innate responses to a predator in bluegill ( <i>Lepomis macrochirus</i> ) larvae. <i>Journal of Fish Biology</i> , 2009, 75, 728-737.	1.6	10
79	MHC class IIB additive and non-additive effects on fitness measures in the guppy ( <i>Poecilia reticulata</i> ). <i>Journal of Fish Biology</i> , 2009, 75, 2299-2312.	1.6	14
80	Mate choice for nonadditive genetic benefits and the maintenance of genetic diversity in song sparrows. <i>Journal of Evolutionary Biology</i> , 2009, 22, 424-429.	1.7	11
81	Paternity, parental behavior and circulating steroid hormone concentrations in nest-tending male bluegill. <i>Hormones and Behavior</i> , 2009, 56, 239-245.	2.1	25
82	Non-additive genetic effects contribute to larval spinal deformity in two populations of Chinook salmon ( <i>Oncorhynchus tshawytscha</i> ). <i>Aquaculture</i> , 2009, 296, 169-173.	3.5	27
83	Mate choice for non-additive genetic benefits: A resolution to the lek paradox. <i>Journal of Theoretical Biology</i> , 2008, 254, 147-155.	1.7	38
84	Juvenile growth and aggression in diploid and triploid Chinook salmon ( <i>Oncorhynchus tshawytscha</i> ) (Walbaum). <i>Journal of Fish Biology</i> , 2008, 73, 169-185.	1.6	35
85	The MHC and non-random mating in a captive population of Chinook salmon. <i>Heredity</i> , 2008, 101, 175-185.	2.6	83
86	Inter-population variation in multiple paternity and reproductive skew in the guppy. <i>Molecular Ecology</i> , 2008, 17, 2975-2984.	3.9	108
87	Temporal variation in cuckoldry and paternity in two sunfish species ( <i>Lepomis</i> spp.) with alternative reproductive tactics. <i>Canadian Journal of Zoology</i> , 2008, 86, 92-98.	1.0	25
88	The role of genetic relatedness among social mates in a cooperative breeder. <i>Behavioral Ecology</i> , 2008, 19, 816-823.	2.2	26
89	Male reproductive success and female preference in bushy-tailed woodrats ( <i>Neotoma cinerea</i> ): do females prefer males in good physical condition?. <i>Canadian Journal of Zoology</i> , 2007, 85, 169-176.	1.0	6
90	Steroid hormones in bluegill, a species with male alternative reproductive tactics including female mimicry. <i>Biology Letters</i> , 2007, 3, 628-632.	2.3	41

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91	Genetic life history effects on juvenile survival in bluegill. <i>Journal of Evolutionary Biology</i> , 2007, 20, 517-525.	1.7	18
92	Evidence for size and sex-specific dispersal in a cooperatively breeding cichlid fish. <i>Molecular Ecology</i> , 2007, 16, 2974-2984.	3.9	65
93	Multiple paternity and kin recognition mechanisms in a guppy population. <i>Molecular Ecology</i> , 2007, 16, 3938-3946.	3.9	68
94	Genetic quality and offspring performance in Chinook salmon: implications for supportive breeding. <i>Conservation Genetics</i> , 2007, 8, 607-616.	1.5	90
95	Plasma levels of androgens and cortisol in relation to breeding behavior in parental male bluegill sunfish, <i>Lepomis macrochirus</i> . <i>Hormones and Behavior</i> , 2006, 49, 598-609.	2.1	77
96	Paternal Genetic Effects on Foraging Decision-Making Under the Risk of Predation. <i>Ethology</i> , 2006, 112, 963-970.	1.1	14
97	Temporal Variation in Decisions about Parental Care in Bluegill, <i>Lepomis macrochirus</i> . <i>Ethology</i> , 2006, 112, 1000-1007.	1.1	8
98	Sperm competition in a fish with external fertilization: the contribution of sperm number, speed and length. <i>Journal of Evolutionary Biology</i> , 2006, 19, 1873-1881.	1.7	84
99	Condition-dependent nesting in bluegill sunfish <i>Lepomis macrochirus</i> . <i>Journal of Animal Ecology</i> , 2006, 75, 627-633.	2.8	33
100	MHC class IIB alleles contribute to both additive and nonadditive genetic effects on survival in Chinook salmon. <i>Molecular Ecology</i> , 2006, 15, 2357-2365.	3.9	84
101	Male size and mating tactic influence proximity to females during sperm competition in bluegill sunfish. <i>Behavioral Ecology and Sociobiology</i> , 2006, 59, 811-818.	1.4	45
102	Promiscuity Drives Self-Referent Kin Recognition. <i>Current Biology</i> , 2006, 16, 1807-1811.	3.9	44
103	Is Peer Review a Game of Chance?. <i>BioScience</i> , 2006, 56, 333.	4.9	46
104	In Vitro Fertilization Reveals Offspring Recognition via Self-Referencing in a Fish with Paternal Care and Cuckoldry. <i>Ethology</i> , 2005, 111, 425-438.	1.1	38
105	Allometric growth and sperm competition in fishes. <i>Journal of Fish Biology</i> , 2005, 67, 470-480.	1.6	20
106	Increased performance of offspring sired by parasitic males in bluegill sunfish. <i>Behavioral Ecology</i> , 2004, 15, 327-331.	2.2	42
107	Mean d <sub>2</sub> and Divergence Time: Transformations and Standardizations. , 2004, 95, 165-171.		16
108	Stabilizing selection on genomic divergence in a wild fish population. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 2381-2385.	7.1	92

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109	Genetic quality and sexual selection: an integrated framework for good genes and compatible genes. <i>Molecular Ecology</i> , 2004, 14, 19-38.	3.9	557
110	MECHANISMS OF SPERM COMPETITION: TESTING THE FAIR RAFFLE. <i>Evolution; International Journal of Organic Evolution</i> , 2004, 58, 1846-1851.	2.3	25
111	Relationships between condition factors, parasite load and paternity in bluegill sunfish, <i>Lepomis macrochirus</i> . <i>Environmental Biology of Fishes</i> , 2004, 71, 297-304.	1.0	93
112	Solitary nesting as an alternative breeding tactic in colonial nesting bluegill sunfish ( <i>Lepomis</i> ) Tj ETQq0 0 0 rgBT /Oyerlock 10 Tf 50 622	1.4	20
113	Behavioral syndromes versus darwinian algorithms. <i>Trends in Ecology and Evolution</i> , 2004, 19, 621-622.	8.7	77
114	Paternity and condition affect cannibalistic behavior in nest-tending bluegill sunfish. <i>Behavioral Ecology and Sociobiology</i> , 2003, 54, 377-384.	1.4	64
115	Nestling recognition via direct cues by parental male bluegill sunfish ( <i>Lepomis macrochirus</i> ). <i>Animal Cognition</i> , 2003, 6, 87-92.	1.8	50
116	Decisions about parental care in response to perceived paternity. <i>Nature</i> , 2003, 422, 716-719.	27.8	158
117	Father knows best. <i>Nature</i> , 2003, 425, 136-137.	27.8	22
118	Sperm investment and alternative mating tactics in bluegill sunfish ( <i>Lepomis macrochirus</i> ). <i>Behavioral Ecology</i> , 2003, 14, 634-641.	2.2	165
119	A Bayesian Model for Assessing the Frequency of Multiple Mating in Nature. , 2002, 93, 406-414.		31
120	Decision making and recognition mechanisms. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 1435-1441.	2.6	46
121	Can good genes explain the peacock's tail?. <i>Trends in Ecology and Evolution</i> , 2002, 17, 206.	8.7	0
122	A Bayesian Framework for Parentage Analysis: The Value of Genetic and Other Biological Data. <i>Theoretical Population Biology</i> , 2001, 59, 315-331.	1.1	34
123	Infidelity as a transaction between social mates. <i>Trends in Ecology and Evolution</i> , 2001, 16, 175.	8.7	0
124	Alternative reproductive tactics and sexual selection. <i>Trends in Ecology and Evolution</i> , 2001, 16, 669.	8.7	6
125	Genetic Paternity Analysis and Breeding Success in Bluegill Sunfish ( <i>Lepomis macrochirus</i> ). , 2001, 92, 111-119.		91
126	Statistical confidence in parentage analysis with incomplete sampling: how many loci and offspring are needed?. <i>Molecular Ecology</i> , 2000, 9, 529-539.	3.9	37



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127	Parentage analysis with incomplete sampling of candidate parents and offspring. <i>Molecular Ecology</i> , 2000, 9, 515-528.	3.9	58
128	Females aren't perfect: maintaining genetic variation and the lek paradox. <i>Trends in Ecology and Evolution</i> , 2000, 15, 395.	8.7	5
129	Finding Mr Right: good genes and multiple mating by females. <i>Trends in Ecology and Evolution</i> , 2000, 15, 489.	8.7	9
130	Microsatellite Multiplexing in Fish. <i>Transactions of the American Fisheries Society</i> , 2000, 129, 584-593.	1.4	73
131	Microsatellite evolution in sunfish (Centrarchidae). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1999, 56, 1198-1205.	1.4	41