Terry D Beacham

List of Publications by Year
in descending order

105 papers	3,781 citations	117571 34 h-index	155592 55 g-index
110 all docs	110 docs citations	110 times ranked	2299 citing authors

#	Article	IF	Citations
1	Harnessing the Power of Genomics to Secure the Future of Seafood. Trends in Ecology and Evolution, 2017, 32, 665-680.	4.2	202
2	Temperature, Egg Size, and Development of Embryos and Alevins of Five Species of Pacific Salmon: A Comparative Analysis. Transactions of the American Fisheries Society, 1990, 119, 927-945.	0.6	188
3	Parallel epigenetic modifications induced by hatchery rearing in a Pacific salmon. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12964-12969.	3.3	170
4	Managing fisheries using genetic data: case studies from four species of Pacific salmon. Fisheries Research, 1999, 43, 45-78.	0.9	140
5	Effect of Female Size, Egg Size, and Water Temperature on Developmental Biology of Chum Salmon (Oncorhynchus keta) from the Nitinat River, British Columbia. Canadian Journal of Fisheries and Aquatic Sciences, 1985, 42, 1755-1765.	0.7	133
6	Estimation of Stock Composition and Individual Identification of Sockeye Salmon on a Pacific Rim Basis Using Microsatellite and Major Histocompatibility Complex Variation. Transactions of the American Fisheries Society, 2005, 134, 1124-1146.	0.6	125
7	Stock Identification of Fraser River Sockeye Salmon Using Microsatellites and Major Histocompatibility Complex Variation. Transactions of the American Fisheries Society, 2004, 133, 1117-1137.	0.6	94
8	Variation in Body Size, Morphology, Egg Size, and Biochemical Genetics of Pink Salmon in British Columbia. Transactions of the American Fisheries Society, 1988, 117, 109-126.	0.6	83
9	Estimation of Stock Composition and Individual Identification of Chinook Salmon across the Pacific Rim by Use of Microsatellite Variation. Transactions of the American Fisheries Society, 2006, 135, 861-888.	0.6	83
10	A genetic analysis of meristic and morphometric variation in chum salmon (Oncorhynchus keta) at three different temperatures. Canadian Journal of Zoology, 1990, 68, 225-229.	0.4	77
11	Patterns of homing and straying in southern British Columbia coded-wire tagged chinook salmon (Oncorhynchus tshawytscha) populations. Fisheries Research, 2000, 47, 41-56.	0.9	75
12	Variation in developmental biology of sockeye salmon (Oncorhynchus nerka) and chinook salmon (O.) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.4	70
13	Biochemical Genetic Stock Identification of Pink Salmon (Oncorhynchus gorbuscha) in Southern British Columbia and Puget Sound. Canadian Journal of Fisheries and Aquatic Sciences, 1985, 42, 1474-1483.	0.7	66
14	DNA in Action: Rapid Application of DNA Variation to Sockeye Salmon Fisheries Management. Conservation Genetics, 2004, 5, 411-416.	0.8	65
15	Impact of botfly parasitism on Microtus townsendii populations. Canadian Journal of Zoology, 1980, 58, 1683-1692.	0.4	60
16	Evaluation and Application of Microsatellite and Major Histocompatibility Complex Variation for Stock Identification of Coho Salmon in British Columbia. Transactions of the American Fisheries Society, 2001, 130, 1116-1149.	0.6	59
17	Pacific Rim Population Structure of Sockeye Salmon as Determined from Microsatellite Analysis. Transactions of the American Fisheries Society, 2006, 135, 174-187.	0.6	58
18	Population differentiation determined from putative neutral and divergent adaptive genetic markers in Eulachon (Thaleichthys pacificus, Osmeridae), an anadromous Pacific smelt. Molecular Ecology Resources, 2015, 15, 1421-1434.	2.2	56

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19	Effects of Pleistocene climatic fluctuations on the phylogeographic and demographic histories of Pacific herring (Clupea pallasii). Molecular Ecology, 2011, 20, 3879-3893.	2.0	54
20	Variation in Length and Body Depth of Pink Salmon (Oncorhynchus gorbuscha) and Chum Salmon (O. keta) in Southern British Columbia. Canadian Journal of Fisheries and Aquatic Sciences, 1985, 42, 312-319.	0.7	52
21	Pacific Rim Population Structure of Chinook Salmon as Determined from Microsatellite Analysis. Transactions of the American Fisheries Society, 2006, 135, 1604-1621.	0.6	52
22	Meristic and morphometric variation in pink salmon (Oncorhynchus gorbuscha) in southern British Columbia and Puget Sound. Canadian Journal of Zoology, 1985, 63, 366-372.	0.4	50
23	Divergent life-history races do not represent Chinook salmon coast-wide: the importance of scale in Quaternary biogeography. Canadian Journal of Fisheries and Aquatic Sciences, 2013, 70, 415-435.	0.7	50
24	Forensic DNA Analysis of Pacific Salmonid Samples for Species and Stock Identification. Environmental Biology of Fishes, 2004, 69, 275-285.	0.4	48
25	Population Structure and Stock Identification of Steelhead in Southern British Columbia, Washington, and the Columbia River Based on Microsatellite DNA Variation. Transactions of the American Fisheries Society, 1999, 128, 1068-1084.	0.6	47
26	Population and individual identification of coho salmon in British Columbia through parentage-based tagging and genetic stock identification: an alternative to coded-wire tags. Canadian Journal of Fisheries and Aquatic Sciences, 2017, 74, 1391-1410.	0.7	47
27	Application of microsatellite DNA variation to estimation of stock composition and escapement of Nass River sockeye salmon (Oncorhynchus nerka). Canadian Journal of Fisheries and Aquatic Sciences, 1999, 56, 297-310.	0.7	46
28	Population Structure and Identification of North Pacific Ocean Chum Salmon (Oncorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3 Aquatic Sciences, 1994, 51, 1430-1442.	0.7	44
29	Microsatellite DNA Population Structure and Stock Identification of Steelhead Trout (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Over 587-600.	1.1	42
30	Pitfall versus Live-Trap Enumeration of Fluctuating Populations of Microtus townsendii. Journal of Mammalogy, 1980, 61, 486-499.	0.6	40
31	Comparison of codedâ€wire tagging with parentageâ€based tagging and genetic stock identification in a largeâ€scale coho salmon fisheries application in British Columbia, Canada. Evolutionary Applications, 2019, 12, 230-254.	1.5	40
32	Demographic history shaped geographical patterns of deleterious mutation load in a broadly distributed Pacific Salmon. PLoS Genetics, 2020, 16, e1008348.	1.5	38
33	Biochemical Genetic Stock Identification of Chum Salmon (Oncorhynchus keta) in Southern British Columbia. Canadian Journal of Fisheries and Aquatic Sciences, 1985, 42, 437-448.	0.7	37
34	Intact genetic structure and high levels of genetic diversity in bottlenecked sockeye salmon (Oncorhynchus nerka) populations of the Fraser River, British Columbia, Canada. Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 1985-1998.	0.7	36
35	Anomalous Ocean Conditions May Explain the Recent Extreme Variability in Fraser River Sockeye Salmon Production. Marine and Coastal Fisheries, 2012, 4, 415-437.	0.6	36
36	Comparative Developmental Biology of Chum Salmon (Oncorhynchus keta) from the Fraser River, British Columbia. Canadian Journal of Fisheries and Aquatic Sciences, 1986, 43, 252-262.	0.7	35

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37	Age, Morphology, and Biochemical Genetic Variation of Yukon River Chinook Salmon. Transactions of the American Fisheries Society, 1989, 118, 46-63.	0.6	35
38	Age and Morphology of Chum Salmon in Southern British Columbia. Transactions of the American Fisheries Society, 1984, 113, 727-736.	0.6	33
39	Sexual Dimorphism in the Adipose Fin of Pacific Salmon (Oncorhynchus). Canadian Journal of Fisheries and Aquatic Sciences, 1983, 40, 2019-2024.	0.7	32
40	Stock identification of coho salmon (Oncorhynchus kisutch) using minisatellite DNA variation. Canadian Journal of Fisheries and Aquatic Sciences, 1996, 53, 181-195.	0.7	32
41	The influence of hydrographic structure and seasonal run timing on genetic diversity and isolation-by-distance in chum salmon (Oncorhynchus keta). Canadian Journal of Fisheries and Aquatic Sciences, 2008, 65, 2026-2042.	0.7	32
42	Use of Microsatellites to Determine Population Structure and Migration of Pacific Herring in British Columbia and Adjacent Regions. Transactions of the American Fisheries Society, 2008, 137, 1795-1811.	0.6	32
43	Population and individual identification of Chinook salmon in British Columbia through parentage-based tagging and genetic stock identification with single nucleotide polymorphisms. Canadian Journal of Fisheries and Aquatic Sciences, 2018, 75, 1096-1105.	0.7	32
44	Population structure and stock identification of chum salmonOncorhynchus ketafrom Japan determined by microsatellite DNA variation. Fisheries Science, 2008, 74, 983-994.	0.7	31
45	The Application of Rapid Microsatelliteâ€Based Stock Identification to Management of a Chinook Salmon Troll Fishery off the Queen Charlotte Islands, British Columbia. North American Journal of Fisheries Management, 2008, 28, 849-855.	0.5	31
46	Stockâ€Specific Migration Pathways of Juvenile Sockeye Salmon in British Columbia Waters and in the Gulf of Alaska. Transactions of the American Fisheries Society, 2014, 143, 1386-1403.	0.6	29
47	Dispersal tendency and duration of life of littermates during population fluctuations of the vole Microtus townsendii. Oecologia, 1979, 42, 11-21.	0.9	28
48	Accurate estimation of conservation unit contribution to coho salmon mixed-stock fisheries in British Columbia, Canada, using direct DNA sequencing for single nucleotide polymorphisms. Canadian Journal of Fisheries and Aquatic Sciences, 2020, 77, 1302-1315.	0.7	28
49	Coho Salmon Population Structure in North America Determined from Microsatellites. Transactions of the American Fisheries Society, 2011, 140, 253-270.	0.6	27
50	Fecundity of coho salmon (Oncorhynchus kisutch) and chum salmon (O. keta) in the northeast Pacific Ocean. Canadian Journal of Zoology, 1982, 60, 1463-1469.	0.4	26
51	The sockeye salmon genome, transcriptome, and analyses identifying population defining regions of the genome. PLoS ONE, 2020, 15, e0240935.	1.1	26
52	A genetic analysis of body size in pink salmon (Oncorhynchus gorbuscha). Genome, 1988, 30, 31-35.	0.9	25
53	Genetic and Coded Wire Tag Results Combine to Allow More-Precise Management of a Complex Chinook Salmon Aggregate. North American Journal of Fisheries Management, 2008, 28, 328-340.	0.5	25
54	A comparison of stock and individual identification for sockeye salmon (Oncorhynchus nerka) in British Columbia provided by microsatellites and single nucleotide polymorphisms. Canadian Journal of Fisheries and Aquatic Sciences, 2010, 67, 1274-1290.	0.7	25

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55	Stock-Specific Size of Juvenile Sockeye Salmon in British Columbia Waters and the Gulf of Alaska. Transactions of the American Fisheries Society, 2014, 143, 876-889.	0.6	24
56	Stock identification of chinook salmon (Oncorhynchus tshawytscha) using minisatellite DNA variation. Canadian Journal of Fisheries and Aquatic Sciences, 1996, 53, 380-394.	0.7	23
57	Microsatellite Stock Identification of Chum Salmon on a Pacific Rim Basis. North American Journal of Fisheries Management, 2009, 29, 1757-1776.	0.5	23
58	Detection and Assessment of the Distribution of Infectious Agents in Juvenile Fraser River Sockeye Salmon, Canada, in 2012 and 2013. Frontiers in Microbiology, 2018, 9, 3221.	1.5	23
59	Genetics of centuryâ€old fish scales reveal population patterns of decline. Conservation Letters, 2019, 12, e12669.	2.8	23
60	Population Structure and Stock Identification of Steelhead Trout (Oncorhynchus mykiss) in British Columbia and the Columbia River Based on Microsatellite Variation. Environmental Biology of Fishes, 2004, 69, 95-109.	0.4	22
61	Individual variation, populationâ€specific behaviours and stochastic processes shape marine migration phenologies. Journal of Animal Ecology, 2019, 88, 67-78.	1.3	22
62	Advantages and Challenges of Genetic Stock Identification in Fish Stocks with Low Genetic Resolution. Transactions of the American Fisheries Society, 2014, 143, 479-488.	0.6	21
63	A comparison of polymorphism of genetic markers and population sample sizes required for mixed-stock analysis of sockeye salmon (Oncorhynchus nerka) in British Columbia. Canadian Journal of Fisheries and Aquatic Sciences, 2011, 68, 550-562.	0.7	20
64	Population Structure and Run Timing of Sockeye Salmon in the Skeena River, British Columbia. North American Journal of Fisheries Management, 2014, 34, 335-348.	0.5	20
65	Selectivity of avian predation in declining populations of the vole Microtus townsendii. Canadian Journal of Zoology, 1979, 57, 1767-1772.	0.4	19
66	Population Structure and Stock Identification of Eulachon (Thaleichthys pacificus), an Anadromous Smelt, in the Pacific Northwest. Marine Biotechnology, 2005, 7, 363-372.	1.1	19
67	Population Structure and Run Timing of Steelhead in the Skeena River, British Columbia. North American Journal of Fisheries Management, 2012, 32, 262-275.	0.5	18
68	Population structure of sea-type and lake-type sockeye salmon and kokanee in the Fraser River and Columbia River drainages. PLoS ONE, 2017, 12, e0183713.	1.1	17
69	Mixedâ€Stock Analysis of Yukon River Chum Salmon: Application and Validation in a Complex Fishery. North American Journal of Fisheries Management, 2010, 30, 1324-1338.	0.5	16
70	A Comparison of Stock and Individual Identification for Chinook Salmon in British Columbia Provided by Microsatellites and Single-Nucleotide Polymorphisms. Marine and Coastal Fisheries, 2012, 4, 1-22.	0.6	16
71	Early Ocean Life History of Harrison River Sockeye Salmon and their Contribution to the Biodiversity of Sockeye Salmon in the Fraser River, British Columbia, Canada. Transactions of the American Fisheries Society, 2016, 145, 348-362.	0.6	16
72	Divergent migratory behaviours associated with body size and ocean entry phenology in juvenile sockeye salmon. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 1723-1732.	0.7	15

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73	Stockâ€Specific Size and Migration of Juvenile Coho Salmon in British Columbia and Southeast Alaska Waters. Marine and Coastal Fisheries, 2016, 8, 292-314.	0.6	15
74	DNA-Level Variation of Sockeye Salmon in Southeast Alaska and the Nass and Skeena Rivers, British Columbia, with Applications to Stock Identification. North American Journal of Fisheries Management, 2005, 25, 763-776.	0.5	14
75	Variation in migration pattern, broodstock origin, and family productivity of coho salmon hatchery populations in British Columbia, Canada, derived from parentageâ€based tagging. Ecology and Evolution, 2019, 9, 9891-9906.	0.8	14
76	Longâ€distance migration is a major factor driving local adaptation at continental scale in Coho salmon. Molecular Ecology, 2023, 32, 542-559.	2.0	14
77	Revisiting Trends in the Evolution of Egg Size in Hatchery-Enhanced Populations of Chinook Salmon from British Columbia. Transactions of the American Fisheries Society, 2010, 139, 579-585.	0.6	13
78	Disentangling individual- and population-scale processes within a latitudinal size gradient in sockeye salmon. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 1190-1201.	0.7	13
79	Is There Evidence for Biologically Significant Size-Selective Mortality of Coho Salmon During the First Winter of Marine Residence?. Transactions of the American Fisheries Society, 2017, 146, 395-407.	0.6	13
80	Phenological Diversity of Salmon Smolt Migration Timing within a Large Watershed. Transactions of the American Fisheries Society, 2018, 147, 775-790.	0.6	13
81	Population structure and stock identification of chum salmon (Oncorhynchus keta) from British Columbia determined with microsatellite DNA variation. Canadian Journal of Zoology, 2008, 86, 1002-1014.	0.4	12
82	Microsatellite Mixed-Stock Identification of Coho Salmon in British Columbia. Marine and Coastal Fisheries, 2012, 4, 85-100.	0.6	12
83	Parentageâ€based tagging combined with genetic stock identification is a costâ€effective and viable replacement for codedâ€wire tagging in largeâ€scale assessments of marine Chinook salmon fisheries in British Columbia, Canada. Evolutionary Applications, 2021, 14, 1365-1389.	1.5	12
84	Variation in number of vertebrae and gill rakers of sockeye salmon, Oncorhynchus nerka, in North America. Environmental Biology of Fishes, 1985, 14, 97-105.	0.4	11
85	Transcriptional shifts during juvenile Coho salmon (Oncorhynchus kisutch) life stage changes in freshwater and early marine environments. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2019, 29, 32-42.	0.4	11
86	Chinook salmon exhibit long-term rearing and early marine growth in the Fraser River, British Columbia, a large urban estuary. Canadian Journal of Fisheries and Aquatic Sciences, 2021, 78, 539-550.	0.7	10
87	Genetic analysis of growth and maturity in pink salmon (Oncorhynchus gorbuscha). Genome, 1988, 30, 529-535.	0.9	9
88	Validity of inferring size-selective mortality and a critical size limit in Pacific salmon from scale circulus spacing. PLoS ONE, 2018, 13, e0199418.	1.1	9
89	Insights on the concept of indicator populations derived from parentageâ€based tagging in a largeâ€scale coho salmon application in British Columbia, Canada. Ecology and Evolution, 2020, 10, 6461-6476.	0.8	9
90	An integrated model of seasonal changes in stock composition and abundance with an application to Chinook salmon. PeerJ, 2021, 9, e11163.	0.9	9

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91	Microsatellite Identification of Canadian Sockeye Salmon Rearing in the Bering Sea. Transactions of the American Fisheries Society, 2011, 140, 296-306.	0.6	8
92	Large-scale parentage-based tagging and genetic stock identification applied in assessing mixed-stock fisheries and hatchery brood stocks for coho salmon in British Columbia, Canada. Canadian Journal of Fisheries and Aquatic Sciences, 2020, 77, 1505-1517.	0.7	8
93	Estimation of conservation unit and population contribution to Chinook salmon mixed-stock fisheries in British Columbia, Canada, using direct DNA sequencing for single nucleotide polymorphisms. Canadian Journal of Fisheries and Aquatic Sciences, 2021, 78, 1422-1434.	0.7	8
94	Comparison of Radiotelemetry and Microsatellites for Determining the Origin of Yukon River Chinook Salmon. North American Journal of Fisheries Management, 2012, 32, 720-730.	0.5	7
95	Population differences in Chinook salmon (Oncorhynchus tshawytscha) DNA methylation: Genetic drift and environmental factors. Ecology and Evolution, 2021, 11, 6846-6861.	0.8	7
96	Parentage-based tagging combined with genetic stock identification is a cost-effective and viable replacement for coded-wire tagging in large-scale assessments of Canadian salmon fisheries. Fisheries Research, 2021, 239, 105920.	0.9	6
97	Hostâ€pathogenâ€environment interactions predict survival outcomes of adult sockeye salmon (Oncorhynchus nerka) released from fisheries. Molecular Ecology, 2022, 31, 134-160.	2.0	5
98	Inâ€field genetic stock identification of overwintering coho salmon in the Gulf of Alaska: Evaluation of Nanopore sequencing for remote realâ€time deployment. Molecular Ecology Resources, 2022, 22, 1824-1835.	2.2	4
99	Comment on â€œGene flow increases temporal stability of Chinook salmon (Oncorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Aquat. Sci. 66: 167â€“176.. Canadian Journal of Fisheries and Aquatic Sciences, 2010, 67, 202-205.	0.7	3
100	Chinook and Coho salmon hybrids linked to habitat and climatic changes on Vancouver Island, British Columbia. Ecology and Evolution, 2021, 11, 16874-16889.	0.8	3
101	Parentage-based tagging and genetic stock identification applied to assessment of mixed-stock fisheries and hatchery broodstocks for Chinook salmon in British Columbia, Canada. Fisheries Research, 2022, 253, 106369.	0.9	3
102	Population Structure and Run Timing of Sockeye Salmon in the Skeena River, British Columbia: Response to Comment. North American Journal of Fisheries Management, 2014, 34, 1171-1176.	0.5	2
103	Population structure of eulachon (Thaleichthys pacificus) from Northern California to Alaska using single nucleotide polymorphisms from direct amplicon sequencing. Canadian Journal of Fisheries and Aquatic Sciences, 2021, 78, 78-89.	0.7	2
104	Assessment of mixed-stock fisheries and hatchery broodstocks for coho salmon in British Columbia, Canada via parentage-based tagging and genetic stock identification. Fisheries Research, 2022, 245, 106136.	0.9	2
105	Salmon species identification via direct DNA sequencing of single amplicons. Conservation Genetics Resources, 2020, 12, 285-291.	0.4	1