Kurt D Fausch

List of Publications by Year
in descending order

79 papers	9,230 citations	76326 40 h-index	76900 74 g-index
82 all docs	82 docs citations	82 times ranked	5456 citing authors

#	Article	IF	Citations
1	Landscapes to Riverscapes: Bridging the Gap between Research and Conservation of Stream Fishes. BioScience, 2002, 52, 483.	4.9	1,193
2	Tangled webs: reciprocal flows of invertebrate prey link streams and riparian zones. Freshwater Biology, 2005, 50, 201-220.	2.4	920
3	Profitable stream positions for salmonids: relating specific growth rate to net energy gain. Canadian Journal of Zoology, 1984, 62, 441-451.	1.0	710
4	Flow regime, temperature, and biotic interactions drive differential declines of trout species under climate change. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14175-14180.	7.1	484
5	Competition Between Brook Trout (Salvelinus fontinalis) and Brown Trout (Salmo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 1981, 38, 1220-1227.	1.4	414
6	FISH INVASION RESTRUCTURES STREAM AND FOREST FOOD WEBS BY INTERRUPTING RECIPROCAL PREY SUBSIDIES. Ecology, 2004, 85, 2656-2663.	3.2	410
7	DYNAMICS OF INTERMITTENT STREAM HABITAT REGULATE PERSISTENCE OF A THREATENED FISH AT MULTIPLE SCALES. , 2000, 10, 1774-1791.		285
8	Large Woody Debris and Salmonid Habitat in a Small Coastal British Columbia Stream. Canadian Journal of Fisheries and Aquatic Sciences, 1992, 49, 682-693.	1.4	284
9	FLOOD DISTURBANCE REGIMES INFLUENCE RAINBOW TROUT INVASION SUCCESS AMONG FIVE HOLARCTIC REGIONS. , 2001, 11, 1438-1455.		250
10	Invasion versus Isolation: Tradeâ€Offs in Managing Native Salmonids with Barriers to Upstream Movement. Conservation Biology, 2009, 23, 859-870.	4.7	248
11	Flexible niche partitioning via a foraging mode shift: a proposed mechanism for coexistence in stream-dwelling charrs. Journal of Animal Ecology, 1999, 68, 1079-1092.	2.8	181
12	Competition among Juveniles of Coho Salmon, Brook Trout, and Brown Trout in a Laboratory Stream, and Implications for Great Lakes Tributaries. Transactions of the American Fisheries Society, 1986, 115, 363-381.	1.4	171
13	MINIMUM HABITAT REQUIREMENTS FOR ESTABLISHING TRANSLOCATED CUTTHROAT TROUT POPULATIONS. , 2002, 12, 535-551.		158
14	POPULATION ECOLOGY OF AN INVASION: EFFECTS OF BROOK TROUT ON NATIVE CUTTHROAT TROUT. , 2004, 14, 754-772.		153
15	Distribution of two congeneric charrs in streams of Hokkaido Island, Japan: considering multiple factors across scales. Oecologia, 1994, 100-100, 1-12.	2.0	134
16	Underestimation of Trout Population Size by Maximum-Likelihood Removal Estimates in Small Streams. North American Journal of Fisheries Management, 1992, 12, 768-776.	1.0	127
17	Why do Foraging Stream Salmonids Move During Summer?. Environmental Biology of Fishes, 2002, 64, 139-153.	1.0	124
18	The Natural Wood Regime in Rivers. BioScience, 2019, 69, 259-273.	4.9	121

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19	Trout population response to habitat enhancement in six northern Colorado streams. Canadian Journal of Fisheries and Aquatic Sciences, 1995, 52, 34-53.	1.4	110
20	Headwater Streams andÂWetlands are CriticalÂfor Sustaining Fish, Fisheries, and Ecosystem Services. Fisheries, 2019, 44, 73-91.	0.8	110
21	Experimentally induced foraging mode shift by sympatric charrs in a Japanese mountain stream. Behavioral Ecology, 1997, 8, 414-420.	2.2	109
22	Disturbance and Fish Communities in Intermittent Tributaries of a Western Great Plains River. Copeia, 1991, 1991, 659.	1.3	101
23	Invading rainbow trout usurp a terrestrial prey subsidy from native charr and reduce their growth and abundance. Oecologia, 2007, 153, 461-470.	2.0	100
24	A paradox of trout invasions in North America. Biological Invasions, 2008, 10, 685-701.	2.4	94
25	Analysis of trade-offs between threats of invasion by nonnative brook trout (<i>Salvelinus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1.4	92
26	Factors Influencing Success of Greenback Cutthroat Trout Translocations. North American Journal of Fisheries Management, 2000, 20, 994-1004.	1.0	90
27	Groundwater declines are linked to changes in Great Plains stream fish assemblages. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7373-7378.	7.1	89
28	Evolution, Ecology, and Conservation of Dolly Varden, White spotted Char, and Bull Trout. Fisheries, 2008, 33, 537-550.	0.8	88
29	Management of Large Wood in Streams: An Overview and Proposed Framework for Hazard Evaluation. Journal of the American Water Resources Association, 2016, 52, 315-335.	2.4	84
30	Sustaining Ecosystem Services in Human-Dominated Watersheds: Biohydrology and Ecosystem Processes in the South Platte River Basin. Environmental Management, 1999, 24, 39-54.	2.7	78
31	Competitive interactions for foraging microhabitat among introduced brook charr, Salvelinus fontinalis, and native bull charr, S. confluentus, and westslope cutthroat trout, Oncorhynchus clarki lewisi, in a Montana stream. Environmental Biology of Fishes, 1998, 52, 345-355.	1.0	73
32	Variable Fish Communities and the Index of Biotic Integrity in a Western Great Plains River. Transactions of the American Fisheries Society, 1991, 120, 752-769.	1.4	71
33	The Past as Prelude to the Future for Understanding 21stâ€Century Climate Effects on Rocky Mountain Trout. Fisheries, 2012, 37, 542-556.	0.8	70
34	Large inâ€stream wood studies: a call for common metrics. Earth Surface Processes and Landforms, 2010, 35, 618-625.	2.5	68
35	Fragmentation and thermal risks from climate change interact to affect persistence of native trout in the Colorado River basin. Global Change Biology, 2013, 19, 1383-1398.	9.5	65
36	Multiple stressors in north temperate streams: lessons from linked forestâ€“stream ecosystems in northern Japan. Freshwater Biology, 2010, 55, 120-134.	2.4	62

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37	Species replacement by a nonnative salmonid alters ecosystem function by reducing prey subsidies that support riparian spiders. Oecologia, 2011, 167, 503-512.	2.0	61
38	Colonization and extinction in dynamic habitats: an occupancy approach for a Great Plains stream fish assemblage. Ecology, 2012, 93, 858-867.	3.2	60
39	Improved Grazing Management Increases Terrestrial Invertebrate Inputs that Feed Trout in Wyoming Rangeland Streams. Transactions of the American Fisheries Society, 2007, 136, 1216-1230.	1.4	57
40	Cold Summer Temperature Limits Recruitment of Ageâ€0 Cutthroat Trout in Highâ€Elevation Colorado Streams. Transactions of the American Fisheries Society, 2007, 136, 1231-1244.	1.4	57
41	Upstream movement by nonnative brook trout (Salvelinus fontinalis) promotes invasion of native cutthroat trout (Oncorhynchus clarki) habitat. Canadian Journal of Fisheries and Aquatic Sciences, 2003, 60, 1502-1516.	1.4	56
42	Multiscale Processes Regulate Brassy Minnow Persistence in a Great Plains River. Transactions of the American Fisheries Society, 2003, 132, 840-855.	1.4	55
43	Comparison of Visible Implant Tags and Floy Anchor Tags on Hatchery Rainbow Trout. North American Journal of Fisheries Management, 1994, 14, 636-642.	1.0	47
44	Streamflow Reductions and Habitat Drying Affect Growth, Survival, and Recruitment of Brassy Minnow across a Great Plains Riverscape. Transactions of the American Fisheries Society, 2010, 139, 1566-1583.	1.4	46
45	A Comprehensive Approach for Habitat Restoration in the Columbia Basin. Fisheries, 2015, 40, 124-135.	0.8	43
46	Riparian vegetation loss, stream channelization, and webâ€weaving spiders in northern Japan. Ecological Research, 2005, 20, 646-651.	1.5	40
47	Linkages between stream and forest food webs: Shigeru Nakano's legacy for ecology in Japan. Trends in Ecology and Evolution, 2002, 17, 429-434.	8.7	39
48	Response of trout populations in five Colorado streams two decades after habitat manipulation. Canadian Journal of Fisheries and Aquatic Sciences, 2011, 68, 2057-2063.	1.4	39
49	Conservation of Native Pacific Trout Diversity in Western North America. Fisheries, 2016, 41, 286-300.	0.8	39
50	Title is missing!. Biological Invasions, 2003, 5, 239-259.	2.4	38
51	When Eradication is not an Option: Modeling Strategies for Electrofishing Suppression of Nonnative Brook Trout to Foster Persistence of Sympatric Native Cutthroat Trout in Small Streams. North American Journal of Fisheries Management, 2008, 28, 1847-1867.	1.0	36
52	Diel Habitat Selection by Brown Trout in the Rio Grande River, Colorado, after Placement of Boulder Structures. North American Journal of Fisheries Management, 1994, 14, 99-111.	1.0	34
53	Notes: Spawning Behavior of Bull Trout in the Upper Flathead Drainage, Montana, with Special Reference to Hybridization with Brook Trout. Transactions of the American Fisheries Society, 1994, 123, 988-992.	1.4	34
54	Spinal Injury Rates in Three Wild Trout Populations in Colorado after Eight Years of Backpack Electrofishing. North American Journal of Fisheries Management, 1997, 17, 308-313.	1.0	33

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55	Ecology and Life History of Coaster Brook Trout and Potential Bottlenecks in Their Rehabilitation. North American Journal of Fisheries Management, 2008, 28, 1321-1342.	1.0	33
56	Thermal regimes of Rocky Mountain lakes warm with climate change. PLoS ONE, 2017, 12, e0179498.	2.5	33
57	Accurate Estimation of Salmonid Abundance in Small Streams using Nighttime Removal Electrofishing: an Evaluation using Marked Fish. North American Journal of Fisheries Management, 2011, 31, 403-415.	1.0	32
58	Thermal Tolerance and Vegetation Preference of Arkansas Darter and Johnny Darter from Colorado Plains Streams. Transactions of the American Fisheries Society, 1997, 126, 676-686.	1.4	30
59	Cold Summer Temperature Regimes Cause a Recruitment Bottleneck in Ageâ€0 Colorado River Cutthroat Trout Reared in Laboratory Streams. Transactions of the American Fisheries Society, 2007, 136, 639-654.	1.4	30
60	A historical perspective on drift foraging models for stream salmonids. Environmental Biology of Fishes, 2014, 97, 453-464.	1.0	27
61	Resource utilization by bull char and cutthroat trout in a mountain stream in Montana, U.S.A.. Japanese Journal of Ichthyology, 1992, 39, .	0.1	26
62	Grazing management influences the subsidy of terrestrial prey to trout in central Rocky Mountain streams (USA). Freshwater Biology, 2012, 57, 1512-1529.	2.4	26
63	Competition between Hatchery-Reared and Wild Juvenile Chinook Salmon in Enclosures in the Sacramento River, California. Transactions of the American Fisheries Society, 2005, 134, 44-58.	1.4	22
64	Can replacement of native by non-native trout alter stream-riparian food webs?. Freshwater Biology, 2013, 58, 1694-1709.	2.4	22
65	Nonnative Trout Invasions Combined with Climate Change Threaten Persistence of Isolated Cutthroat Trout Populations in the Southern Rocky Mountains. North American Journal of Fisheries Management, 2017, 37, 314-325.	1.0	22
66	Magnitude and direction of streamâ€“forest community interactions change with timescale. Ecology, 2020, 101, e03064.	3.2	22
67	Water diversion reduces abundance and survival of two Mediterranean cyprinids. Ecology of Freshwater Fish, 2018, 27, 481-491.	1.4	18
68	Evaluating the Success of Arkansas Darter Translocations in Colorado: An Occupancy Sampling Approach. Transactions of the American Fisheries Society, 2012, 141, 825-840.	1.4	17
69	Are invasive and native trout functionally equivalent predators? Results and lessons from a field experiment. Aquatic Conservation: Marine and Freshwater Ecosystems, 2012, 22, 787-798.	2.0	16
70	Shigeru Nakano â€“ An Uncommon Japanese Fish Ecologist. Environmental Biology of Fishes, 2000, 59, 359-364.	1.0	12
71	Predicting Persistence of Rio Grande Cutthroat Trout Populations in an Uncertain Future. North American Journal of Fisheries Management, 2019, 39, 819-848.	1.0	12
72	Evaluating a pattern of ecological character displacement: charr jaw morphology and diet diverge in sympatry versus allopatry across catchments in Hokkaido, Japan. Biological Journal of the Linnean Society, 2020, 129, 356-378.	1.6	11

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73	Interspecific social dominance networks reveal mechanisms promoting coexistence in sympatric charr in Hokkaido, Japan. Journal of Animal Ecology, 2021, 90, 515-527.	2.8	11
74	Research on fish ecology in Japan: a brief history and selected review. Environmental Biology of Fishes, 1998, 52, 75-95.	1.0	7
75	Abundance and Size Distribution of Ocean-Type Juvenile Chinook Salmon in the Upper Sacramento River Margin before and after Hatchery Releases. North American Journal of Fisheries Management, 2004, 24, 1447-1455.	1.0	6
76	A Dynamic Flow Regime Supports an Intact Great Plains Stream Fish Assemblage. Transactions of the American Fisheries Society, 2017, 146, 903-916.	1.4	5
77	Conserving fluxes of terrestrial invertebrates to trout in streams: A first field experiment on the effects of cattle grazing. Aquatic Conservation: Marine and Freshwater Ecosystems, 2018, 28, 910-922.	2.0	4
78	Crossing boundaries: Shigeru Nakano's enduring legacy for ecology. Ecological Research, 2018, 33, 119-133.	1.5	1
79	MINIMUM HABITAT REQUIREMENTS FOR ESTABLISHING TRANSLOCATED CUTTHROAT TROUT POPULATIONS. , 2002, 12, 535.		1