Roland A Knapp

List of Publications by Year
in descending order

69	5,232	109264	118793
papers	citations	35 h-index	62 g-index

73	73	73	3691
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effectiveness of antifungal treatments during chytridiomycosis epizootics in populations of an endangered frog. PeerJ, 2022, 10, e12712.	0.9	10
2	Using visual encounter data to improve captureâ€“recapture abundance estimates. Ecosphere, 2021, 12, e03370.	1.0	0
3	The amphibian microbiome exhibits poor resilience following pathogen-induced disturbance. ISME Journal, 2021, 15, 1628-1640.	4.4	38
4	Alien fish eradication from high mountain lakes by multiple removal methods: Estimating residual abundance and eradication probability in open populations. Journal of Applied Ecology, 2021, 58, 1055-1068.	1.9	7
5	Divergent regional evolutionary histories of a devastating global amphibian pathogen. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20210782.	1.2	10
6	Longitudinal patterns in the skin microbiome of wild, individually marked frogs from the Sierra Nevada, California. ISME Communications, 2021, 1, .	1.7	5
7	Stepping into the past to conserve the future: Archived skin swabs from extant and extirpated populations inform genetic management of an endangered amphibian. Molecular Ecology, 2020, 29, 2598-2611.	2.0	3
8	Cryptic diversity of a widespread global pathogen reveals expanded threats to amphibian conservation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20382-20387.	3.3	86
9	Reduced skin bacterial diversity correlates with increased pathogen infection intensity in an endangered amphibian host. Molecular Ecology, 2019, 28, 127-140.	2.0	41
10	Disease and climate effects on individuals drive postâ€reintroduction population dynamics of an endangered amphibian. Ecosphere, 2018, 9, e02499.	1.0	34
11	Population genetic structure of the endangered Sierra Nevada yellow-legged frog (Rana sierrae) in Yosemite National Park based on multi-locus nuclear data from swab samples. Conservation Genetics, 2017, 18, 731-744.	0.8	10
12	Epidemic and endemic pathogen dynamics correspond to distinct host population microbiomes at a landscape scale. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170944.	1.2	71
13	Resistance, tolerance and environmental transmission dynamics determine host extinction risk in a loadâ€dependent amphibian disease. Ecology Letters, 2017, 20, 1169-1181.	3.0	47
14	Large-scale recovery of an endangered amphibian despite ongoing exposure to multiple stressors. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11889-11894.	3.3	129
15	Declines and extinctions of mountain yellowâ€legged frogs have small effects on benthic macroinvertebrate communities. Ecosphere, 2016, 7, e01327.	1.0	4
16	Variation in reciprocal subsidies between lakes and land: perspectives from the mountains of California. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 1691-1701.	0.7	12
17	Marginal Bayesian Nonparametric Model for Time to Disease Arrival of Threatened Amphibian Populations. Biometrics, 2015, 71, 1101-1110.	0.8	12
18	Detecting the influence of rare stressors on rare species in Yosemite National Park using a novel stratified permutation test. Scientific Reports, 2015, 5, 10702.	1.6	4

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19	Increased accuracy of species lists developed for alpine lakes using morphology and cytochrome oxidase I for identification of specimens. Molecular Ecology Resources, 2013, 13, 820-831.	2.2	17
20	Use of Historically Fishless High-Mountain Lakes and Streams By Nearctic River Otters (Lontra) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 702	0.5	5
21	Evolutionary history of alpine and subalpine <scp>D</scp>aphnia in western <scp>N</scp>orth <scp>A</scp>merica. Freshwater Biology, 2013, 58, 1512-1522.	1.2	13
22	Temporal and spatial variation of atmospherically deposited organic contaminants at high elevation in yosemite national park, California, USA. Environmental Toxicology and Chemistry, 2013, 32, 517-525.	2.2	17
23	A Network Extension of Species Occupancy Models in a Patchy Environment Applied to the Yosemite Toad (Anaxyrus canorus). PLoS ONE, 2013, 8, e72200.	1.1	14
24	Nowhere to hide: impact of a temperature-sensitive amphibian pathogen along an elevation gradient in the temperate zone. Ecosphere, 2011, 2, art93.	1.0	53
25	Pesticide distributions and population declines of California, USA, alpine frogs, Rana muscosa and Rana sierrae. Environmental Toxicology and Chemistry, 2011, 30, 682-691.	2.2	37
26	Genetic resilience of Daphnia populations following experimental removal of introduced fish. Conservation Genetics, 2010, 11, 1737-1745.	0.8	14
27	Nonnative trout impact an alpineâ€nesting bird by altering aquaticâ€insect subsidies. Ecology, 2010, 91, 2406-2415.	1.5	139
28	Dynamics of an emerging disease drive large-scale amphibian population extinctions. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9689-9694.	3.3	530
29	Enzootic and epizootic dynamics of the chytrid fungal pathogen of amphibians. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 9695-9700.	3.3	426
30	ALLEE EFFECT LIMITS COLONIZATION SUCCESS OF SEXUALLY REPRODUCING ZOOPLANKTON. Ecology, 2008, 89, 2760-2769.	1.5	54
31	RECOVERY AFTER LOCAL EXTINCTION: FACTORS AFFECTING RE-ESTABLISHMENT OF ALPINE LAKE ZOOPLANKTON. , 2008, 18, 1850-1859.		47
32	Population genetics of the frog-killing fungus Batrachochytrium dendrobatidis. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13845-13850.	3.3	156
33	MULTIPLE STRESSORS AND AMPHIBIAN DECLINES: DUAL IMPACTS OF PESTICIDES AND FISH ON YELLOW-LEGGED FROGS. , 2007, 17, 587-597.		105
34	Removal of nonnative fish results in population expansion of a declining amphibian (mountain) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	1.9	169
35	Concordant molecular and phenotypic data delineate new taxonomy and conservation priorities for the endangered mountain yellow-legged frog. Journal of Zoology, 2007, 271, 361-374.	0.8	103
36	Rapid evolution in response to introduced predators II: the contribution of adaptive plasticity. BMC Evolutionary Biology, 2007, 7, 21.	3.2	50

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37	Rapid evolution in response to introduced predators I: rates and patterns of morphological and life-history trait divergence. BMC Evolutionary Biology, 2007, 7, 22.	3.2	68
38	Tadpole Mouthpart Depigmentation as an Accurate Indicator of Chytridiomycosis, an Emerging Disease of Amphibians. Copeia, 2006, 2006, 188-197.	1.4	57
39	EMERGING INFECTIOUS DISEASE AS A PROXIMATE CAUSE OF AMPHIBIAN MASS MORTALITY. Ecology, 2006, 87, 1671-1683.	1.5	256
40	FAUNA OF YOSEMITE NATIONAL PARK LAKES HAS LOW RESISTANCE BUT HIGH RESILIENCE TO FISH INTRODUCTIONS. , 2005, 15, 835-847.		75
41	Nutrient recycling by fish versus zooplankton grazing as drivers of the trophic cascade in alpine lakes. Limnology and Oceanography, 2005, 50, 2032-2042.	1.6	42
42	Estimated Ultraviolet Radiation Doses in Wetlands in Six National Parks. Ecosystems, 2005, 8, 462-477.	1.6	23
43	Spatial and Temporal Variability in the Amount and Source of Dissolved Organic Carbon: Implications for Ultraviolet Exposure in Amphibian Habitats. Ecosystems, 2005, 8, 478-487.	1.6	13
44	Distribution Patterns of Lentic-Breeding Amphibians in Relation to Ultraviolet Radiation Exposure in Western North America. Ecosystems, 2005, 8, 488-500.	1.6	17
45	COMMUNICATING ECOLOGY THROUGH FOOD WEBS: VISUALIZING AND QUANTIFYING THE EFFECTS OF STOCKING ALPINE LAKES WITH TROUT. , 2005, , 407-423.		11
46	INVESTIGATING THE POPULATION-LEVEL EFFECTS OF CHYTRIDIOMYCOSIS: AN EMERGING INFECTIOUS DISEASE OF AMPHIBIANS. Ecology, 2005, 86, 3149-3159.	1.5	154
47	Effects of nonnative fish and habitat characteristics on lentic herpetofauna in Yosemite National Park, USA. Biological Conservation, 2005, 121, 265-279.	1.9	138
48	BODY SIZES OF CONSUMERS AND THEIR RESOURCES. Ecology, 2005, 86, 2545-2545.	1.5	105
49	Response by trout populations in alpine lakes to an experimental halt to stocking. Canadian Journal of Fisheries and Aquatic Sciences, 2004, 61, 2025-2037.	0.7	25
50	Zooplankton recovery after fish removal: Limitations of the egg bank. Limnology and Oceanography, 2004, 49, 1382-1392.	1.6	61
51	DEVELOPING PROBABILISTIC MODELS TO PREDICT AMPHIBIAN SITE OCCUPANCY IN A PATCHY LANDSCAPE. , 2003, 13, 1069-1082.		105
52	Garter Snake Distributions in High-Elevation Aquatic Ecosystems: Is There a Link with Declining Amphibian Populations and Nonnative Trout Introductions?. Journal of Herpetology, 2002, 36, 16-22.	0.2	57
53	RESISTANCE AND RESILIENCE OF ALPINE LAKE FAUNA TO FISH INTRODUCTIONS. Ecological Monographs, 2001, 71, 401-421.	2.4	280
54	The Introduction of Nonnative Fish into Wilderness Lakes: Good Intentions, Conflicting Mandates, and Unintended Consequences. Ecosystems, 2001, 4, 275-278.	1.6	72

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55	Alteration of Nutrient Cycles and Algal Production Resulting from Fish Introductions intoMountain Lakes. Ecosystems, 2001, 4, 308-321.	1.6	147
56	The use of egg shells to infer the historical presence of copepods in alpine lakes. Journal of Paleolimnology, 2001, 25, 539-543.	0.8	13
57	Effects of Nonnative Trout on Pacific Treefrogs (Hyla regilla) in the Sierra Nevada. Copeia, 2001, 2001, 1130-1137.	1.4	43
58	Nonâ€Native Fish Introductions and the Decline of the Mountain Yellowâ€Legged Frog from within Protected Areas. Conservation Biology, 2000, 14, 428-438.	2.4	287
59	Is it possible to predict habitat use by spawning salmonids? A test using California golden trout (Oncorhynchus mykiss aguabonita). Canadian Journal of Fisheries and Aquatic Sciences, 1999, 56, 1576-1584.	0.7	58
60	Eradication of Nonnative Fish by Gill Netting from a Small Mountain Lake in California. Restoration Ecology, 1998, 6, 207-213.	1.4	103
61	EFFECTS OF STREAM CHANNEL MORPHOLOGY ON GOLDEN TROUT SPAWNING HABITAT AND RECRUITMENT. , 1998, 8, 1104-1117.		55
62	Spawning by California Golden Trout: Characteristics of Spawning Fish, Seasonal and Daily Timing, Redd Characteristics, and Microhabitat Preferences. Transactions of the American Fisheries Society, 1996, 125, 519-531.	0.6	33
63	A Field Comparison of the Substrate Composition of California Golden Trout Redds Sampled with Two Devices. North American Journal of Fisheries Management, 1996, 16, 674-681.	0.5	2
64	Livestock Grazing, Golden Trout, and Streams in the Golden Trout Wilderness, California: Impacts and Management Implications. North American Journal of Fisheries Management, 1996, 16, 805-820.	0.5	59
65	The influence of egg survivorship on the subsequent nest fidelity of female bicolour damselfish, Stegastes partitus. Animal Behaviour, 1993, 46, 111-121.	0.8	37
66	Courtship as an honest indicator of male parental quality in the bicolor damselfish, Stegastes partitus. Behavioral Ecology, 1991, 2, 295-300.	1.0	175
67	Male parental care and female choice in the bicolor damselfish, Stegastes partitus: bigger is not always better. Animal Behaviour, 1991, 41, 747-756.	0.8	71
68	Egg-mimicry as a mating strategy in the fantail darter, Etheostoma flabellare: females prefer males with eggs. Behavioral Ecology and Sociobiology, 1989, 25, 321-326.	0.6	98
69	Toward a functional classification of stream invertebrate drift. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 1988, 23, 1244-1254.	0.1	15