David Pilliod

List of Publications by Year
in descending order

101 papers	6,459 citations	76196 40 h-index	71532 76 g-index
113 all docs	113 docs citations	113 times ranked	5725 citing authors

#	Article	IF	Citations
1	Genomic signatures of thermal adaptation are associated with clinal shifts of life history in a broadly distributed frog. Journal of Animal Ecology, 2022, 91, 1222-1238.	1.3	17
2	Adaptive monitoring in support of adaptive management in rangelands. Rangelands, 2022, 44, 1-7.	0.9	15
3	Leveraging rangeland monitoring data for wildlife: From concept to practice. Rangelands, 2022, 44, 87-98.	0.9	6
4	Importance of local weather and environmental gradients on demography of a broadly distributed temperate frog. Ecological Indicators, 2022, 136, 108648.	2.6	6
5	Hydroclimatic Conditions, Wildfire, and Species Assemblages Influence Co-Occurrence of Bull Trout and Tailed Frogs in Northern Rocky Mountain Streams. Water (Switzerland), 2022, 14, 1162.	1.2	2
6	Elevating human dimensions of amphibian and reptile conservation, a <scp>USA</scp> perspective. Conservation Science and Practice, 2022, 4, .	0.9	4
7	Diverse aging rates in ectothermic tetrapods provide insights for the evolution of aging and longevity. Science, 2022, 376, 1459-1466.	6.0	34
8	From satellites to frogs: Quantifying ecohydrological change, drought mitigation, and population demography in desert meadows. Science of the Total Environment, 2021, 758, 143632.	3.9	12
9	Great Expectations: Deconstructing the Process Pathways Underlying Beaver-Related Restoration. BioScience, 2021, 71, 249-267.	2.2	18
10	Stream Restoration Is Influenced by Details of Engineered Habitats at a Headwater Mine Site. Diversity, 2021, 13, 48.	0.7	2
11	Itâ€™s complicated â€¦ environmental DNA as a predictor of trout and char abundance in streams. Canadian Journal of Fisheries and Aquatic Sciences, 2021, 78, 422-432.	0.7	10
12	Protecting restoration investments from the cheatgrassâ€fire cycle in sagebrush steppe. Conservation Science and Practice, 2021, 3, e508.	0.9	17
13	Spatiotemporal dynamics of insect pollinator communities in sagebrush steppe associated with weather and vegetation. Global Ecology and Conservation, 2021, 29, e01691.	1.0	4
14	Thermal conditions predict intraspecific variation in senescence rate in frogs and toads. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	16
15	Postfire growth of seeded and planted big sagebrushâ€”strategic designs for restoring greater sageâ€grouse nesting habitat. Restoration Ecology, 2020, 28, 1495-1504.	1.4	23
16	Illegal killing of nongame wildlife and recreational shooting in conservation areas. Conservation Science and Practice, 2020, 2, e279.	0.9	7
17	Harvester ant seed removal in an invaded sagebrush ecosystem: Implications for restoration. Ecology and Evolution, 2020, 10, 13731-13741.	0.8	6
18	Extreme Arsenic and Antimony Uptake and Tolerance in Toad Tadpoles during Development in Highly Contaminated Wetlands. Environmental Science & Technology, 2020, 54, 7983-7991.	4.6	13

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19	A National-Scale Assessment of Mercury Bioaccumulation in United States National Parks Using Dragonfly Larvae As Biosentinels through a Citizen-Science Framework. Environmental Science & Technology, 2020, 54, 8779-8790.	4.6	27
20	A roundâ€robin evaluation of the repeatability and reproducibility of environmental DNA assays for dreissenid mussels. Environmental DNA, 2020, 2, 446-459.	3.1	16
21	Small-scale water deficits after wildfires create long-lasting ecological impacts. Environmental Research Letters, 2020, 15, 044001.	2.2	19
22	Bridging the research-management gap: landscape science in practice on public lands in the western United States. Landscape Ecology, 2020, 35, 545-560.	1.9	24
23	Reptiles Under the Conservation Umbrella of the Greater Sageâ€Grouse. Journal of Wildlife Management, 2020, 84, 478-491.	0.7	23
24	Integration of eDNAâ€Based Biological Monitoring within the U.S. Geological Surveyâ€™s National Streamgage Network. Journal of the American Water Resources Association, 2019, 55, 1505-1518.	1.0	14
25	Adding invasive species biosurveillance to the U.S. Geological Survey streamgage network. Ecosphere, 2019, 10, e02843.	1.0	22
26	Transient population dynamics impede restoration and may promote ecosystem transformation after disturbance. Ecology Letters, 2019, 22, 1357-1366.	3.0	61
27	Soil characteristics are associated with gradients of big sagebrush canopy structure after disturbance. Ecosphere, 2019, 10, e02780.	1.0	19
28	Effects of climate change on habitat and connectivity for populations of a vulnerable, endemic salamander in Iran. Global Ecology and Conservation, 2019, 19, e00637.	1.0	39
29	The ecological uncertainty of wildfire fuel breaks: examples from the sagebrush steppe. Frontiers in Ecology and the Environment, 2019, 17, 279-288.	1.9	43
30	Cannot see the random forest for the decision trees: selecting predictive models for restoration ecology. Restoration Ecology, 2019, 27, 1053-1063.	1.4	19
31	Preâ€fire vegetation drives postâ€fire outcomes in sagebrush ecosystems: evidence from field and remote sensing data. Ecosphere, 2019, 10, e02929.	1.0	17
32	Insect communities in big sagebrush habitat are altered by wildfire and postâ€fire restoration seeding. Insect Conservation and Diversity, 2019, 12, 216-230.	1.4	8
33	An analytical framework for estimating aquatic species density from environmental <scp>DNA</scp>. Ecology and Evolution, 2018, 8, 3468-3477.	0.8	52
34	Survey of Beaver-related Restoration Practices in Rangeland Streams of the Western USA. Environmental Management, 2018, 61, 58-68.	1.2	54
35	Weather-Centric Rangeland Revegetation Planning. Rangeland Ecology and Management, 2018, 71, 1-11.	1.1	62
36	Quantifying climate sensitivity and climate-driven change in North American amphibian communities. Nature Communications, 2018, 9, 3926.	5.8	79

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37	An Introduction and Practical Guide to Use of the Soil-Vegetation Inventory Method (SVIM) Data. Rangeland Ecology and Management, 2018, 71, 671-680.	1.1	7
38	Functional and geographic components of risk for climate sensitive vertebrates in the Pacific Northwest, USA. Biological Conservation, 2018, 228, 183-194.	1.9	20
39	Adapting management to a changing world: Warm temperatures, dry soil, and interannual variability limit restoration success of a dominant woody shrub in temperate drylands. Global Change Biology, 2018, 24, 4972-4982.	4.2	78
40	Thresholds and hotspots for shrub restoration following a heterogeneous megafire. Landscape Ecology, 2018, 33, 1177-1194.	1.9	68
41	Regional variation in drivers of connectivity for two frog species (Rana pretiosa and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	2.0	23
42	Assessing the effectiveness of riparian restoration projects using Landsat and precipitation data from the cloud-computing application ClimateEngine.org. Ecological Engineering, 2018, 120, 432-440.	1.6	36
43	Appropriate Sample Sizes for Monitoring Burned Pastures in Sagebrush Steppe: How Many Plots are Enough, and Can One Size Fit All?. Rangeland Ecology and Management, 2018, 71, 721-726.	1.1	16
44	Estimating vegetation biomass and cover across large plots in shrub and grass dominated drylands using terrestrial lidar and machine learning. Ecological Indicators, 2018, 84, 793-802.	2.6	74
45	Longâ€term trends in restoration and associated land treatments in the southwestern United States. Restoration Ecology, 2018, 26, 311-322.	1.4	49
46	Exploring the Use of Environmental DNA to Determine the Species of Salmon Redds. North American Journal of Fisheries Management, 2017, 37, 943-950.	0.5	6
47	Seventy-Five Years of Vegetation Treatments on Public Rangelands in the Great Basin of North America. Rangelands, 2017, 39, 1-9.	0.9	91
48	Methodological considerations of terrestrial laser scanning for vegetation monitoring in the sagebrush steppe. Environmental Monitoring and Assessment, 2017, 189, 578.	1.3	5
49	Heterogeneous responses of temperate-zone amphibian populations to climate change complicates conservation planning. Scientific Reports, 2017, 7, 17102.	1.6	56
50	Refining the cheatgrassâ€“fire cycle in the Great Basin: Precipitation timing and fine fuel composition predict wildfire trends. Ecology and Evolution, 2017, 7, 8126-8151.	0.8	129
51	Lidar Aboveground Vegetation Biomass Estimates in Shrublands: Prediction, Uncertainties and Application to Coarser Scales. Remote Sensing, 2017, 9, 903.	1.8	54
52	Larval longâ€toed salamanders incur nonconsumptive effects in the presence of nonnative trout. Ecosphere, 2016, 7, e01258.	1.0	5
53	Critical considerations for the application of environmental <scp>DNA</scp> methods to detect aquatic species. Methods in Ecology and Evolution, 2016, 7, 1299-1307.	2.2	684
54	Occupancy and abundance of predator and prey: implications of the fireâ€cheatgrass cycle in sagebrush ecosystems. Ecosphere, 2016, 7, e01307.	1.0	20

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55	Transition of Vegetation States Positively Affects Harvester Ants in the Great Basin, United States. Rangeland Ecology and Management, 2016, 69, 449-456.	1.1	9
56	Quantitative evidence for the effects of multiple drivers on continental-scale amphibian declines. Scientific Reports, 2016, 6, 25625.	1.6	196
57	Ecosystem Engineering of Harvester Ants: Effects on Vegetation in a Sagebrush-Steppe Ecosystem. Western North American Naturalist, 2016, 76, 82-89.	0.2	11
58	Role of habitat complexity in predatorâ€“prey dynamics between an introduced fish and larval Long-toed Salamanders (Ambystoma macrodactylum). Canadian Journal of Zoology, 2016, 94, 243-249.	0.4	21
59	Bioaccumulation trends of arsenic and antimony in a freshwater ecosystem affected by mine drainage. Environmental Chemistry, 2016, 13, 149.	0.7	48
60	Landsat 8 and ICESat-2: Performance and potential synergies for quantifying dryland ecosystem vegetation cover and biomass. Remote Sensing of Environment, 2016, 185, 233-242.	4.6	60
61	Effects of changing climate on aquatic habitat and connectivity for remnant populations of a wideâ€ranging frog species in an arid landscape. Ecology and Evolution, 2015, 5, 3979-3994.	0.8	31
62	Persistence at distributional edges: Columbia spotted frog habitat in the arid Great Basin, <scp>USA</scp>. Ecology and Evolution, 2015, 5, 3704-3724.	0.8	32
63	Moving environmental DNA methods from concept to practice for monitoring aquatic macroorganisms. Biological Conservation, 2015, 183, 1-3.	1.9	215
64	Sampling animal sign in heterogeneous environments: How much is enough?. Journal of Arid Environments, 2015, 119, 51-55.	1.2	4
65	Managing habitat to slow or reverse population declines of the Columbia spotted frog in the Northern Great Basin. Journal of Wildlife Management, 2015, 79, 579-590.	0.7	20
66	Challenges of Establishing Big Sagebrush (Artemisia tridentata) in Rangeland Restoration: Effects of Herbicide, Mowing, Whole-Community Seeding, and Sagebrush Seed Sources. Rangeland Ecology and Management, 2015, 68, 432-435.	1.1	47
67	Characterizing the distribution of an endangered salmonid using environmental DNA analysis. Biological Conservation, 2015, 183, 29-37.	1.9	243
68	A reference system for animal biometrics: Application to the northern leopard frog. , 2014, , .		6
69	Longâ€term effects of seeding after wildfire on vegetation in Great Basin shrubland ecosystems. Journal of Applied Ecology, 2014, 51, 1414-1424.	1.9	181
70	Factors influencing detection of <scp>eDNA</scp> from a streamâ€dwelling amphibian. Molecular Ecology Resources, 2014, 14, 109-116.	2.2	358
71	Quantifying restoration effectiveness using multiâ€scale habitat models: implications for sageâ€grouse in the Great Basin. Ecosphere, 2014, 5, 1-32.	1.0	96
72	Estimating occupancy and abundance of stream amphibians using environmental DNA from filtered water samples. Canadian Journal of Fisheries and Aquatic Sciences, 2013, 70, 1123-1130.	0.7	444

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73	Roles of Patch Characteristics, Drought Frequency, and Restoration in Longâ€Term Trends of a Widespread Amphibian. Conservation Biology, 2013, 27, 1410-1420.	2.4	42
74	Performance of Quantitative Vegetation Sampling Methods Across Gradients of Cover in Great Basin Plant Communities. Rangeland Ecology and Management, 2013, 66, 634-647.	1.1	39
75	Persistence and extirpation in invaded landscapes: patch characteristics and connectivity determine effects of non-native predatory fish on native salamanders. Biological Invasions, 2013, 15, 671-685.	1.2	9
76	Index for Characterizing Post-Fire Soil Environments in Temperate Coniferous Forests. Forests, 2012, 3, 445-466.	0.9	36
77	Pattern and process of prescribed fires influence effectiveness at reducing wildfire severity in dry coniferous forests. Forest Ecology and Management, 2012, 276, 174-184.	1.4	42
78	Amphibian Responses to Wildfire in the Western United States: Emerging Patterns from Short-Term Studies. Fire Ecology, 2011, 7, 129-144.	1.1	23
79	Compensatory effects of recruitment and survival when amphibian populations are perturbed by disease. Journal of Applied Ecology, 2011, 48, 873-879.	1.9	97
80	Molecular Detection of Vertebrates in Stream Water: A Demonstration Using Rocky Mountain Tailed Frogs and Idaho Giant Salamanders. PLoS ONE, 2011, 6, e22746.	1.1	397
81	Fuel Reduction Management Practices in Riparian Areas of the Western USA. Environmental Management, 2010, 46, 91-100.	1.2	18
82	Hyperspectral Analysis of Columbia Spotted Frog Habitat. Journal of Wildlife Management, 2010, 74, 1387-1394.	0.7	5
83	Effects of Amphibian Chytrid Fungus on Individual Survival Probability in Wild Boreal Toads. Conservation Biology, 2010, 24, 1259-1267.	2.4	102
84	Nonâ€native salmonids affect amphibian occupancy at multiple spatial scales. Diversity and Distributions, 2010, 16, 959-974.	1.9	44
85	Landscape genetics of high mountain frog metapopulations. Molecular Ecology, 2010, 19, 3634-3649.	2.0	190
86	Fire, flow and dynamic equilibrium in stream macroinvertebrate communities. Freshwater Biology, 2010, 55, 299-314.	1.2	42
87	Hyperspectral Analysis of Columbia Spotted Frog Habitat. Journal of Wildlife Management, 2010, 74, 1387-1394.	0.7	3
88	Prescribed fires as ecological surrogates for wildfires: A stream and riparian perspective. Forest Ecology and Management, 2010, 259, 893-903.	1.4	77
89	Distribution and environmental limitations of an amphibian pathogen in the Rocky Mountains, USA. Biological Conservation, 2008, 141, 1484-1492.	1.9	89
90	Corrigendum to â€œDistribution and environmental limitations of an amphibian pathogen in the Rocky Mountains, USAâ€•[Biological Conservation 141 (2008) 1484â€“1492]. Biological Conservation, 2008, 141, 3170.	1.9	2

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91	A Soil Burn Severity Index for Understanding Soil-fire Relations in Tropical Forests. Ambio, 2008, 37, 563-568.	2.8	19
92	Saprolegniaceae identified on amphibian eggs throughout the Pacific Northwest, USA, by internal transcribed spacer sequences and phylogenetic analysis. Mycologia, 2008, 100, 171-180.	0.8	28
93	Saprolegniaceae identified on amphibian eggs throughout the Pacific Northwest, USA, by internal transcribed spacer sequences and phylogenetic analysis. Mycologia, 2008, 100, 171-180.	0.8	23
94	TAXONOMIC VARIATION IN OVIPOSITION BY TAILED FROGS (ASCAPHUS SPP). Northwestern Naturalist, 2006, 87, 87-97.	0.5	18
95	Population structure of Columbia spotted frogs (Rana luteiventris) is strongly affected by the landscape. Molecular Ecology, 2005, 14, 483-496.	2.0	305
96	Lack of Significant Changes in the Herpetofauna of Theodore Roosevelt National Park, North Dakota, Since the 1920s. American Midland Naturalist, 2005, 154, 423-432.	0.2	9
97	Assessing the Consequences of Nonnative Trout in Headwater Ecosystems in Western North America. Fisheries, 2004, 29, 18-26.	0.6	78
98	Fire and amphibians in North America. Forest Ecology and Management, 2003, 178, 163-181.	1.4	139
99	Clark's Nutcracker (Nucifraga columbiana) Predation on Tadpoles of the Columbia Spotted Frog (Rana) Tj ETQq1 1 0.784314 rgBT /Over		3
100	Seasonal migration of Columbia spotted frogs (Rana luteiventris) among complementary resources in a high mountain basin. Canadian Journal of Zoology, 2002, 80, 1849-1862.	0.4	110
101	Local and Landscape Effects of Introduced Trout on Amphibians in Historically Fishless Watersheds. Ecosystems, 2001, 4, 322-333.	1.6	103