

# Clifford N Dahm

## List of Publications by Year in descending order

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93  
papers

9,358  
citations

71102

41  
h-index

66911

78  
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93  
docs citations

93  
times ranked

8897  
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential effects of a catastrophic wildfire on downstream fish assemblages in an aridland river. <i>Aquatic Ecology</i> , 2021, 55, 483-500.	1.5	5
2	Influence of Desert Springs on Habitat of Endangered Zuni Bluehead Sucker ( <i>Catostomus discobolus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	1
3	Long-term data reveal highly-variable metabolism and transitions in trophic status in a montane stream. <i>Freshwater Science</i> , 2020, 39, 241-255.	1.8	8
4	Watershed hydrology and salinity, but not nutrient chemistry, are associated with arid-land stream microbial diversity. <i>Freshwater Science</i> , 2019, 38, 77-91.	1.8	5
5	The effects of a catastrophic forest fire on the biomass of submerged stream macrophytes. <i>Aquatic Botany</i> , 2019, 152, 36-42.	1.6	5
6	Flow intermittence and ecosystem services in rivers of the Anthropocene. <i>Journal of Applied Ecology</i> , 2018, 55, 353-364.	4.0	113
7	Evolutionary responses of aquatic macroinvertebrates to two contrasting flow regimes. <i>Hydrobiologia</i> , 2018, 808, 353-370.	2.0	15
8	Protecting U.S. temporary waterways. <i>Science</i> , 2018, 361, 856-857.	12.6	29
9	Long-term Water Table Monitoring of Rio Grande Riparian Ecosystems for Restoration Potential Amid Hydroclimatic Challenges. <i>Environmental Management</i> , 2017, 60, 1101-1115.	2.7	10
10	Water Physicochemistry in Intermittent Rivers and Ephemeral Streams. , 2017, , 109-134.		28
11	Nutrient and Organic Matter Dynamics in Intermittent Rivers and Ephemeral Streams. , 2017, , 135-160.		52
12	Nutrient Dynamics of the Delta: Effects on Primary Producers. <i>San Francisco Estuary and Watershed Science</i> , 2016, 14, .	0.4	13
13	Advancing the Food-Energy&Water Nexus: Closing Nutrient Loops in Arid River Corridors. <i>Environmental Science &amp; Technology</i> , 2016, 50, 8485-8496.	10.0	36
14	Continental smokers couple mantle degassing and distinctive microbiology within continents. <i>Earth and Planetary Science Letters</i> , 2016, 435, 22-30.	4.4	42
15	The effects of catastrophic wildfire on water quality along a river continuum. <i>Freshwater Science</i> , 2015, 34, 1426-1442.	1.8	42
16	Extreme water quality degradation following a catastrophic forest fire. <i>Freshwater Biology</i> , 2015, 60, 2584-2599.	2.4	79
17	Frontiers in real-time ecohydrology â€“ a paradigm shift in understanding complex environmental systems. <i>Ecohydrology</i> , 2015, 8, 529-537.	2.4	49
18	Flooding Regime Impacts on Radiation, Evapotranspiration, and Latent Energy Fluxes over Groundwater-Dependent Riparian Cottonwood and Saltcedar Forests. <i>Advances in Meteorology</i> , 2015, 2015, 1-14.	1.6	10

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19	Flood disturbance effects on benthic diatom assemblage structure in a semiarid river network. <i>Journal of Phycology</i> , 2015, 51, 133-143.	2.3	9
20	Nutrient dynamics in an alpine headwater stream: use of continuous water quality sensors to examine responses to wildfire and precipitation events. <i>Hydrological Processes</i> , 2015, 29, 3193-3207.	2.6	49
21	Fire effects on aquatic ecosystems: an assessment of the current state of the science. <i>Freshwater Science</i> , 2015, 34, 1340-1350.	1.8	132
22	Functional Flows in Modified Riverscapes: Hydrographs, Habitats and Opportunities. <i>BioScience</i> , 2015, 65, 963-972.	4.9	177
23	Pollution in mediterranean-climate rivers. <i>Hydrobiologia</i> , 2013, 719, 427-450.	2.0	28
24	An independently corroborated, diatom-inferred record of long-term drought cycles occurring over the last two millennia in New Mexico, USA. <i>Inland Waters</i> , 2013, 3, 459-472.	2.2	5
25	Ecosystem Processes and Human Influences Regulate Streamflow Response to Climate Change at Long-Term Ecological Research Sites. <i>BioScience</i> , 2012, 62, 390-404.	4.9	149
26	Linkages Between Riparian Characteristics, Ungulate Grazing, and Geomorphology and Nutrient Cycling in Montane Grassland Streams. <i>Rangeland Ecology and Management</i> , 2012, 65, 475-485.	2.3	10
27	Bacterial Community Structure Along Moisture Gradients in the Parafluvial Sediments of Two Ephemeral Desert Streams. <i>Microbial Ecology</i> , 2011, 61, 543-556.	2.8	107
28	Nitrous oxide emission from denitrification in stream and river networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 214-219.	7.1	517
29	Inter-regional comparison of land-use effects on stream metabolism. <i>Freshwater Biology</i> , 2010, 55, 1874-1890.	2.4	267
30	On groundwater fluctuations, evapotranspiration, and understory removal in riparian corridors. <i>Water Resources Research</i> , 2009, 45, .	4.2	54
31	Nitrate removal in stream ecosystems measured by 15N addition experiments: Total uptake. <i>Limnology and Oceanography</i> , 2009, 54, 653-665.	3.1	165
32	Nitrate removal in stream ecosystems measured by 15N addition experiments: Denitrification. <i>Limnology and Oceanography</i> , 2009, 54, 666-680.	3.1	181
33	Stream denitrification across biomes and its response to anthropogenic nitrate loading. <i>Nature</i> , 2008, 452, 202-205.	27.8	1,097
34	Biogeochemistry at the zone of intermittent saturation: Field-based study of the shallow alluvial aquifer, Rio Grande, New Mexico. , 2007, 3, 366.		19
35	AMMONIA MODELING FOR ASSESSING POTENTIAL TOXICITY TO FISH SPECIES IN THE RIO GRANDE, 1989-2002. , 2007, 17, 2087-2099.		23
36	Impact of monsoonal rains on spatial scaling patterns in water chemistry of a semiarid river network. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	12

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37	River and Riparian Restoration in the Southwest: Results of the National River Restoration Science Synthesis Project. <i>Restoration Ecology</i> , 2007, 15, 550-562.	2.9	52
38	Hyporheic Zones. , 2007, , 119-142.		10
39	Ecohydrology of water-limited environments: A scientific vision. <i>Water Resources Research</i> , 2006, 42, .	4.2	397
40	Riparian ecohydrology: regulation of water flux from the ground to the atmosphere in the Middle Rio Grande, New Mexico. <i>Hydrological Processes</i> , 2006, 20, 3207-3225.	2.6	106
41	Nutrient and organic carbon trends and patterns in the upper Rio Grande, 1975â€“1999. <i>Science of the Total Environment</i> , 2005, 345, 239-260.	8.0	20
42	GULF COAST RIVERS OF THE SOUTHWESTERN UNITED STATES. , 2005, , 180-228.		15
43	Geomicrobiology of Cave Ferromanganese Deposits: A Field and Laboratory Investigation. <i>Geomicrobiology Journal</i> , 2005, 22, 99-116.	2.0	94
44	N retention and transformation in urban streams. <i>Journal of the North American Benthological Society</i> , 2005, 24, 626-642.	3.1	159
45	HYDROLOGICAL AND GEOCHEMICAL TRENDS AND PATTERNS IN THE UPPER RIO GRANDE, 1975 TO 1999. <i>Journal of the American Water Resources Association</i> , 2004, 40, 111-127.	2.4	25
46	Long-term vegetation monitoring with NDVI in a diverse semi-arid setting, central New Mexico, USA. <i>Journal of Arid Environments</i> , 2004, 58, 249-272.	2.4	168
47	Seasonal and inter-annual relationships between vegetation and climate in central New Mexico, USA. <i>Journal of Arid Environments</i> , 2004, 57, 507-534.	2.4	84
48	Diverse microbial communities inhabiting ferromanganese deposits in Lechuguilla and Spider Caves. <i>Environmental Microbiology</i> , 2003, 5, 1071-1086.	3.8	203
49	Coupled biogeochemical and hydrological responses of streams and rivers to drought. <i>Freshwater Biology</i> , 2003, 48, 1219-1231.	2.4	152
50	Factors affecting ammonium uptake in streams - an inter-biome perspective. <i>Freshwater Biology</i> , 2003, 48, 1329-1352.	2.4	233
51	Ground Arthropods as Potential Indicators of Flooding Regime in the Riparian Forest of the Middle Rio Grande, New Mexico. <i>Environmental Entomology</i> , 2003, 32, 1075-1084.	1.4	27
52	Seasonal estimates of actual evapo-transpiration from <i>Tamarix ramosissima</i> stands using three-dimensional eddy covariance. <i>Journal of Arid Environments</i> , 2002, 52, 181-197.	2.4	87
53	MEETING ECOLOGICAL AND SOCIETAL NEEDS FOR FRESHWATER. , 2002, 12, 1247-1260.		448
54	Evapotranspiration at the land/water interface in a semi-arid drainage basin. <i>Freshwater Biology</i> , 2002, 47, 831-843.	2.4	111

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55	MEETING ECOLOGICAL AND SOCIETAL NEEDS FOR FRESHWATER. , 2002, 12, 1247.		1
56	Meeting Ecological and Societal Needs for Freshwater. , 2002, 12, 1247.		7
57	WATER IN A CHANGING WORLD. , 2001, 11, 1027-1045.		709
58	Determining Evapotranspiration Rates in the Middle Rio Grande Bosque: 3-D Eddy Covariance and Remote Sensing Techniques. , 2001, , 1.		0
59	Shifts in habitat templates for lotic microalgae linked to interannual variation in snowmelt intensity. Limnology and Oceanography, 2001, 46, 858-870.	3.1	22
60	Wholeßstream metabolism in two montane streams: Contribution of the hyporheic zone. Limnology and Oceanography, 2001, 46, 523-531.	3.1	178
61	WATER IN A CHANGING WORLD. , 2001, 11, 1027.		2
62	Heterogeneity in algalâ€”grazer associations in a small montane spring. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2000, 27, 2453-2460.	0.1	0
63	Anoxia, Anaerobic Metabolism, and Biogeochemistry of the Stream-waterâ€”Ground-water Interface. , 2000, , 259-283.		35
64	ORGANIC CARBON SUPPLY AND METABOLISM IN A SHALLOW GROUNDWATER ECOSYSTEM. Ecology, 2000, 81, 3133-3148.	3.2	196
65	Terminal electron accepting processes in the alluvial sediments of a headwater stream. Journal of the North American Benthological Society, 2000, 19, 593-608.	3.1	50
66	Organic Carbon Supply and Metabolism in a Shallow Groundwater Ecosystem. Ecology, 2000, 81, 3133.	3.2	8
67	Acetate retention and metabolism in the hyporheic zone of a mountain stream. Limnology and Oceanography, 1999, 44, 1530-1539.	3.1	113
68	Nutrient dynamics at the interface between surface waters and groundwaters. Freshwater Biology, 1998, 40, 427-451.	2.4	277
69	Managed Flooding for Riparian Ecosystem Restoration. BioScience, 1998, 48, 749-756.	4.9	193
70	Seasonal variation in surfaceâ€”subsurface water exchange and lateral hyporheic area of two streamâ€”aquifer systems. Water Resources Research, 1998, 34, 317-328.	4.2	306
71	ALLUVIAL CHARACTERISTICS, GROUNDWATERâ€”SURFACE WATER EXCHANGE AND HYDROLOGICAL RETENTION IN HEADWATER STREAMS. Hydrological Processes, 1997, 11, 253-267.	2.6	269
72	SENSITIVITY OF AQUATIC ECOSYSTEMS TO CLIMATIC AND ANTHROPOGENIC CHANGES: THE BASIN AND RANGE, AMERICAN SOUTHWEST AND MEXICO. Hydrological Processes, 1997, 11, 1023-1041.	2.6	52

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73	SENSITIVITY OF AQUATIC ECOSYSTEMS TO CLIMATIC AND ANTHROPOGENIC CHANGES: THE BASIN AND RANGE, AMERICAN SOUTHWEST AND MEXICO. <i>Hydrological Processes</i> , 1997, 11, 1023-1041.	2.6	3
74	Parent lithology, surface-groundwater exchange, and nitrate retention in headwater streams. <i>Limnology and Oceanography</i> , 1996, 41, 333-345.	3.1	375
75	Introduction Restoring the Kissimmee. <i>Restoration Ecology</i> , 1995, 3, 147-148.	2.9	7
76	An Ecosystem View of the Restoration of the Kissimmee River. <i>Restoration Ecology</i> , 1995, 3, 225-238.	2.9	89
77	Streams in Semiarid Regions as Sensitive Indicators of Global Climate Change. , 1992, , 250-260.		10
78	Can long-path FTIR spectroscopy yield gas flux measurements through a variance technique?. <i>Atmospheric Environment Part A General Topics</i> , 1992, 26, 225-233.	1.3	5
79	Anaerobic carbon cycling in stream ecosystems. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 1991, 24, 1600-1604.	0.1	17
80	Methodological Modifications for Accurate and Efficient Determination of Contaminant Biodegradation in Unsaturated Calcareous Soils. <i>Applied and Environmental Microbiology</i> , 1991, 57, 717-720.	3.1	14
81	Contribution of organic acids to alkalinity in lakes within the Mount St. Helens blast zone. <i>Limnology and Oceanography</i> , 1990, 35, 535-542.	3.1	8
82	Field testing long-path Fourier transform infrared (FTIR) spectroscopy for measurements of atmospheric gas concentrations. <i>Remote Sensing of Environment</i> , 1990, 32, 103-110.	11.0	6
83	Stream Geomorphology: Effects on Periphyton Standing Crop and Primary Production. <i>Journal of the North American Benthological Society</i> , 1990, 9, 293-302.	3.1	70
84	A Perspective on El Niño and La Niña: Global Implications for Stream Ecology. <i>Journal of the North American Benthological Society</i> , 1990, 9, 68-76.	3.1	75
85	Methane production and oxidation in lakes impacted by the May 18, 1980 Eruption of Mount St. Helens. <i>Global Biogeochemical Cycles</i> , 1988, 2, 357-370.	4.9	8
86	Nitrogen Cycling in Altered and Newly Created Lakes Near the Mount St. Helens Volcano. <i>Journal of Freshwater Ecology</i> , 1988, 4, 551-568.	1.2	5
87	Long-Path Ftir Measurement of Atmospheric Trace Gas Concentrations. <i>Ecology</i> , 1988, 69, 1326-1330.	3.2	35
88	Uptake of dissolved organic carbon in mountain streams. <i>Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology</i> , 1984, 22, 1842-1846.	0.1	1
89	QUALITATIVE AND QUANTITATIVE OBSERVATIONS ON AQUATIC ALGAL COMMUNITIES AND RECOLONIZATION WITHIN THE BLAST ZONE OF MT. ST. HELENS, 1980 AND 1981. <i>Journal of Phycology</i> , 1983, 19, 238-247.	2.3	18
90	Initial Effects of the Mount St. Helens Eruption on Nitrogen Cycle and Related Chemical Processes in Ryan Lake. <i>Applied and Environmental Microbiology</i> , 1983, 45, 1633-1645.	3.1	18

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91	Initial microbiological response in lakes to the Mt St Helens eruption. <i>Nature</i> , 1982, 296, 49-52.	27.8	46
92	Organic carbon transport in the Columbia River. <i>Estuarine, Coastal and Shelf Science</i> , 1981, 13, 645-658.	2.1	40
93	Pathways and Mechanisms for Removal of Dissolved Organic Carbon from Leaf Leachate in Streams. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1981, 38, 68-76.	1.4	156