Gene E Likens

List of Publications by Year
in descending order

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67 papers	10,784 citations	76326 40 h-index	110387 64 g-index
68 all docs	68 docs citations	68 times ranked	7812 citing authors

#	Article	IF	Citations
1	Five state factors control progressive stages of freshwater salinization syndrome. Limnology and Oceanography Letters, 2023, 8, 190-211.	3.9	15
2	The collection of precipitation for chemical analysis. Tellus, 2022, 30, 71.	0.8	150
3	The input of gaseous and particulate sulfur to a forest ecosystem. Tellus, 2022, 30, 546.	0.8	38
4	The composition and deposition of organic carbon in precipitation. Tellus, Series B: Chemical and Physical Meteorology, 2022, 35, 16.	1.6	70
5	Aldo Leopoldâ€™s â€œOdysseyâ€•and the development of the ecosystem concept and approach. Socio-Ecological Practice Research, 2022, 4, 17-18.	1.9	3
6	Long-term monitoring of precipitation chemistry in the U.S.: Insights into changes and condition. Atmospheric Environment, 2021, 245, 118031.	4.1	33
7	Freshwater salinization syndrome: from emerging global problem to managing risks. Biogeochemistry, 2021, 154, 255-292.	3.5	87
8	A century of change: Reconstructing the biogeochemical history of Hubbard Brook. Hydrological Processes, 2021, 35, e14256.	2.6	8
9	Save Earth's global observatories. Science, 2021, 373, 135-135.	12.6	1
10	The watershedâ€ecosystem approach. Hydrological Processes, 2021, 35, .	2.6	2
11	Novel â€˜chemical cocktails' in inland waters are a consequence of the freshwater salinization syndrome. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180017.	4.0	72
12	Freshwater salinization syndrome on a continental scale. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E574-E583.	7.1	364
13	Earth Observation Networks (EONs): Finding the Right Balance. Trends in Ecology and Evolution, 2018, 33, 1-3.	8.7	22
14	Nutrient retention during ecosystem succession: a revised conceptual model. Frontiers in Ecology and the Environment, 2018, 16, 532-538.	4.0	41
15	Young runoff fractions control streamwater age and solute concentration dynamics. Hydrological Processes, 2017, 31, 2982-2986.	2.6	39
16	Fifty years of continuous precipitation and stream chemistry data from the Hubbard Brook ecosystem study (1963â€“2013). Ecology, 2017, 98, 2224-2224.	3.2	15
17	Uncertainty in the net hydrologic flux of calcium in a pairedâ€watershed harvesting study. Ecosphere, 2016, 7, e01299.	2.2	11
18	Natural and anthropogenic drivers of calcium depletion in a northern forest during the last millennium. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6934-6938.	7.1	24

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19	Acid rain mitigation experiment shifts a forested watershed from a net sink to a net source of nitrogen. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7580-7583.	7.1	46
20	Climate change decreases nitrogen pools and mineralization rates in northern hardwood forests. Ecosphere, 2016, 7, e01251.	2.2	67
21	Linking water age and solute dynamics in streamflow at the <scp>H</scp>ubbard <scp>B</scp>rook <scp>E</scp>xperimental <scp>F</scp>orest, <scp>NH</scp>, <scp>USA</scp>. Water Resources Research, 2015, 51, 9256-9272.	4.2	83
22	Content Volatility of Scientific Topics in Wikipedia: A Cautionary Tale. PLoS ONE, 2015, 10, e0134454.	2.5	20
23	Comment: Cultural eutrophication of natural lakes in the United States is real and widespread. Limnology and Oceanography, 2014, 59, 2217-2225.	3.1	35
24	Broad Decline of Populations of Large Old Trees. Conservation Letters, 2014, 7, 72-73.	5.7	17
25	New Policies for Old Trees: Averting a Global Crisis in a Keystone Ecological Structure. Conservation Letters, 2014, 7, 61-69.	5.7	220
26	Network analysis reveals multiscale controls on streamwater chemistry. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7030-7035.	7.1	110
27	An Empirical Assessment and Comparison of Species-Based and Habitat-Based Surrogates: A Case Study of Forest Vertebrates and Large Old Trees. PLoS ONE, 2014, 9, e89807.	2.5	62
28	Biogeochemistry of a Forested Ecosystem. , 2013, , .		281
29	Benchmarking Open Access Science Against Good Science. Bulletin of the Ecological Society of America, 2013, 94, 338-340.	0.2	11
30	The Water Table: The Shifting Foundation of Life on Land. Ambio, 2012, 41, 657-669.	5.5	32
31	Complex response of the forest nitrogen cycle to climate change. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3406-3411.	7.1	130
32	Dilution and the Elusive Baseline. Environmental Science & Technology, 2012, 46, 4382-4387.	10.0	56
33	Watershed Sulfur Biogeochemistry: Shift from Atmospheric Deposition Dominance to Climatic Regulation. Environmental Science & Technology, 2011, 45, 5267-5271.	10.0	58
34	Rising stream and river temperatures in the United States. Frontiers in Ecology and the Environment, 2010, 8, 461-466.	4.0	485
35	The role of science in decision making: does evidenceâ€based science drive environmental policy?. Frontiers in Ecology and the Environment, 2010, 8, e1.	4.0	100
36	The biogeochemistry of chlorine at Hubbard Brook, New Hampshire, USA. Biogeochemistry, 2005, 72, 191-232.	3.5	115

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37	From The Cover: Increased salinization of fresh water in the northeastern United States. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13517-13520.	7.1	731
38	Long-term relationships between SO2 and NOx emissions and SO42â€“ and NO3â€“ concentration in bulk deposition at the Hubbard Brook Experimental Forest, NH. Journal of Environmental Monitoring, 2005, 7, 964.	2.1	31
39	Nitrogen Dynamics in Ice Storm-Damaged Forest Ecosystems: Implications for Nitrogen Limitation Theory. Ecosystems, 2003, 6, 431-443.	3.4	105
40	Inorganic Nitrogen Losses from a Forested Ecosystem in Responseto Physical, Chemical, Biotic,and Climatic Perturbations. Ecosystems, 2002, 5, 0648-0658.	3.4	178
41	Evaluation of an integrated biogeochemical model (PnET-BGC) at a northern hardwood forest ecosystem. Water Resources Research, 2001, 37, 1057-1070.	4.2	99
42	Long- and short-term changes in sulfate deposition: Effects of the 1990 Clean Air Act Amendments. Biogeochemistry, 2001, 52, 1-11.	3.5	75
43	Atmospheric Dust and Acid Rain. Scientific American, 1996, 275, 88-92.	1.0	110
44	Chemistry of precipitation from a remote, terrestrial site in Australia. Journal of Geophysical Research, 1987, 92, 13299-13314.	3.3	143
45	Nitrogen transformations in a small mountain stream. Hydrobiologia, 1985, 124, 129-139.	2.0	64
46	An Experimental Approach for the Study of Ecosystems: The Fifth Tansley Lecture. Journal of Ecology, 1985, 73, 381.	4.0	119
47	Uncertainties in historical aspects of acid precipitation: Getting it straight. Atmospheric Environment, 1984, 18, 2261-2268.	1.0	17
48	Photosynthetically produced dissolved organic carbon: An important carbon source for planktonic bacteria1. Limnology and Oceanography, 1982, 27, 1080-1090.	3.1	277
49	The composition of precipitation in remote areas of the world. Journal of Geophysical Research, 1982, 87, 8771-8786.	3.3	674
50	Some measurements of the pH and chemistry of precipitation at Davis and Lake Tahoe, California. Water, Air, and Soil Pollution, 1981, 15, 153-167.	2.4	22
51	Biomass and annual production of the freshwater mussel Elliptio complanata in an oligotrophic softwater lake. Freshwater Biology, 1981, 11, 435-440.	2.4	64
52	Chemical flux in an acid-stressed stream. Nature, 1981, 292, 329-331.	27.8	35
53	Measurement of planktonic bacterial production in an oligotrophic lake1. Limnology and Oceanography, 1980, 25, 719-732.	3.1	67
54	Experimental Acidification of a Stream in the Hubbard Brook Experimental Forest, New Hampshire. Ecology, 1980, 61, 976-989.	3.2	255

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55	Acid Rain. Scientific American, 1979, 241, 43-51.	1.0	338
56	Atmospheric enhancement of metal deposition in Adirondack lake sediments1. Limnology and Oceanography, 1979, 24, 427-433.	3.1	103
57	Effect of hydrologic fluctuations on the transport of fine particulate organic carbon in a small stream1. Limnology and Oceanography, 1979, 24, 69-75.	3.1	100
58	Pattern and Process in a Forested Ecosystem. , 1979, , .		1,527
59	Organic matter and nutrient dynamics of the forest and forest floor in the Hubbard Brook forest. Oecologia, 1976, 22, 305-320.	2.0	177
60	The assumptions and rationales of a computer model of phytoplankton population dynamics1. Limnology and Oceanography, 1975, 20, 343-364.	3.1	287
61	Energy Flow and Nutrient Cycling in Salamander Populations in the Hubbard Brook Experimental Forest, New Hampshire. Ecology, 1975, 56, 1068-1080.	3.2	262
62	Acid precipitation in the northeastern United States. Water Resources Research, 1974, 10, 1133-1137.	4.2	301
63	Linkages between Terrestrial and Aquatic Ecosystems. BioScience, 1974, 24, 447-456.	4.9	292
64	Acid Rain. Environment, 1972, 14, 33-40.	1.4	237
65	NOTES ON QUANTITATIVE SAMPLING OF NATURAL POPULATIONS OF PLANKTONIC ROTIFERS1. Limnology and Oceanography, 1970, 15, 816-820.	3.1	58
66	Effects of Forest Cutting and Herbicide Treatment on Nutrient Budgets in the Hubbard Brook Watershedâ€Ecosystem. Ecological Monographs, 1970, 40, 23-47.	5.4	1,065
67	The interactions among fire, logging, and climate change have sprung a landscape trap in Victoriaâ€™s montane ash forests. Plant Ecology, 0, , 1.	1.6	12