Mark E Fenn

List of Publications by Year
in descending order

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61	4,059	172457	155660
papers	citations	29	55
		h-index	g-index

64	64	64	3776
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Challenges characterizing N deposition to high elevation protected areas: A case study integrating instrument, simulated, and lichen inventory datasets for the Devils Postpile National Monument and surrounding region, USA. Ecological Indicators, 2021, 122, 107311.	6.3	4
2	Ambient concentrations and total deposition of inorganic sulfur, inorganic nitrogen and base cations in the Athabasca Oil Sands Region. Science of the Total Environment, 2020, 706, 134864.	8.0	22
3	Evaluating the effects of nitrogen and sulfur deposition and ozone on tree growth and mortality in California using a spatially comprehensive forest inventory. Forest Ecology and Management, 2020, 465, 118084.	3.2	13
4	Declines in native forb richness of an imperiled plant community across an anthropogenic nitrogen deposition gradient. Ecosphere, 2020, 11, e03032.	2.2	10
5	Quantifying atmospheric N deposition in dryland ecosystems: A test of the Integrated Total Nitrogen Input (ITNI) method. Science of the Total Environment, 2019, 646, 1253-1264.	8.0	12
6	A synthesis of ecosystem management strategies for forests in the face of chronic nitrogen deposition. Environmental Pollution, 2019, 248, 1046-1058.	7.5	19
7	Nitrogenous air pollutants and ozone exposure in the central Sierra Nevada and White Mountains of California â€“ Distribution and evaluation of ecological risks. Science of the Total Environment, 2019, 654, 604-615.	8.0	20
8	On-road emissions of ammonia: An underappreciated source of atmospheric nitrogen deposition. Science of the Total Environment, 2018, 625, 909-919.	8.0	73
9	Bulk deposition of base cationic nutrients in China's forests: Annual rates and spatial characteristics. Atmospheric Environment, 2018, 184, 121-128.	4.1	22
10	Growth and survival relationships of 71 tree species with nitrogen and sulfur deposition across the conterminous U.S.. PLoS ONE, 2018, 13, e0205296.	2.5	54
11	Mechanisms of nitrogen deposition effects on temperate forest lichens and trees. Ecosphere, 2017, 8, e01717.	2.2	48
12	Nitrogenâ€induced terrestrial eutrophication: cascading effects and impacts on ecosystem services. Ecosphere, 2017, 8, e01877.	2.2	48
13	Atmospheric dry deposition of sulfur and nitrogen in the Athabasca Oil Sands Region, Alberta, Canada. Science of the Total Environment, 2016, 568, 285-295.	8.0	27
14	Ground-level air pollution changes during a boreal wildland mega-fire. Science of the Total Environment, 2016, 572, 755-769.	8.0	33
15	Differential Effects of High Atmospheric N and S Deposition on Bog Plant/Lichen Tissue and Porewater Chemistry across the Athabasca Oil Sands Region. Environmental Science & Technology, 2016, 50, 12630-12640.	10.0	35
16	Atmospheric deposition of inorganic nitrogen in Spanish forests of Quercus ilex measured with ion-exchange resins and conventional collectors. Environmental Pollution, 2016, 216, 653-661.	7.5	6
17	Spatial patterns of atmospheric deposition of nitrogen and sulfur using ion-exchange resin collectors in Rocky Mountain National Park, USA. Atmospheric Environment, 2015, 101, 149-157.	4.1	25
18	Effects and Empirical Critical Loads of Nitrogen for Ecoregions of the United States. Environmental Pollution, 2015, , 129-169.	0.4	3

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19	Use of Combined Biogeochemical Model Approaches and Empirical Data to Assess Critical Loads of Nitrogen. Environmental Pollution, 2015, , 269-295.	0.4	0
20	Critical Loads of Acid Deposition for Wilderness Lakes in the Sierra Nevada (California) Estimated by the Steady-State Water Chemistry Model. Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	9
21	The importance of atmospheric base cation deposition for preventing soil acidification in the Athabasca Oil Sands Region of Canada. Science of the Total Environment, 2014, 493, 1-11.	8.0	46
22	A Comparison of Empirical and Modelled Nitrogen Critical Loads for Mediterranean Forests and Shrublands in California. , 2014, , 357-368.		3
23	A simple tool for estimating throughfall nitrogen deposition in forests of western North America using lichens. Forest Ecology and Management, 2013, 306, 1-8.	3.2	35
24	Atmospheric deposition of nitrogen and sulfur and preferential canopy consumption of nitrate in forests of the Pacific Northwest, USA. Forest Ecology and Management, 2013, 302, 240-253.	3.2	76
25	Structural injury underlying mottling in ponderosa pine needles exposed to ambient ozone concentrations in the San Bernardino Mountains near Los Angeles, California. Trees - Structure and Function, 2013, 27, 895-911.	1.9	17
26	A multi-isotope approach for estimating industrial contributions to atmospheric nitrogen deposition in the Athabasca oil sands region in Alberta, Canada. Environmental Pollution, 2013, 182, 80-91.	7.5	37
27	Using Epiphytic Lichens to Monitor Nitrogen Deposition Near Natural Gas Drilling Operations in the Wind River Range, WY, USA. Water, Air, and Soil Pollution, 2013, 224, 1.	2.4	33
28	Tracing industrial sulfur contributions to atmospheric sulfate deposition in the Athabasca oil sands region, Alberta, Canada. Applied Geochemistry, 2012, 27, 2425-2434.	3.0	44
29	Impact of transient soil water simulation to estimated nitrogen leaching and emission at high- and low-deposition forest sites in Southern California. Journal of Geophysical Research, 2011, 116, .	3.3	13
30	Nitrogen deposition effects on Mediterranean-type ecosystems: An ecological assessment. Environmental Pollution, 2011, 159, 2265-2279.	7.5	130
31	The effect of nitrogen additions on bracken fern and its insect herbivores at sites with high and low atmospheric pollution. Arthropod-Plant Interactions, 2011, 5, 163-173.	1.1	16
32	Effects of nitrogen deposition and empirical nitrogen critical loads for ecoregions of the United States. , 2011, 21, 3049-3082.		373
33	Alteration of belowground carbon dynamics by nitrogen addition in southern California mixed conifer forests. Journal of Geophysical Research, 2009, 114, .	3.3	7
34	The effect of nitrogen additions on oak foliage and herbivore communities at sites with high and low atmospheric pollution. Environmental Pollution, 2008, 151, 434-442.	7.5	29
35	Forest health conditions in North America. Environmental Pollution, 2008, 155, 409-425.	7.5	35
36	Chapter 17 Air Pollution Increases Forest Susceptibility to Wildfires: A Case Study in the San Bernardino Mountains in Southern California. Developments in Environmental Science, 2008, , 365-403.	0.5	16

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37	Chapter 18 Fire Effects on Carbon and Nitrogen Cycling in Forests of The Sierra Nevada. Developments in Environmental Science, 2008, , 405-423.	0.5	9
38	Chapter 19 Management Options for Mitigating Nitrogen (N) Losses from N-Saturated Mixed-Conifer Forests in California. Developments in Environmental Science, 2008, 8, 425-455.	0.5	2
39	Changes in N cycling and microbial N with elevated N in exotic annual grasslands of southern California. Applied Soil Ecology, 2007, 36, 1-9.	4.3	32
40	Autotrophic Ammonia-Oxidizing Bacteria Contribute Minimally to Nitrification in a Nitrogen-Impacted Forested Ecosystem. Applied and Environmental Microbiology, 2005, 71, 197-206.	3.1	69
41	Nitrogen mineralization and nitrification in a mixed-conifer forest in southern California: controlling factors, fluxes, and nitrogen fertilization response at a high and low nitrogen deposition site. Canadian Journal of Forest Research, 2005, 35, 1464-1486.	1.7	32
42	Monitoring Nitrogen Deposition in Throughfall Using Ion Exchange Resin Columns: A Field Test in the San Bernardino Mountains. Journal of Environmental Quality, 2004, 33, 2007-2014.	2.0	94
43	Influence of ozone and nitrogen deposition on bark beetle activity under drought conditions. Forest Ecology and Management, 2004, 200, 67-76.	3.2	70
44	Effects of ozone, nitrogen deposition, and other stressors on montane ecosystems in the Sierra Nevada. Developments in Environmental Science, 2003, 2, 111-155.	0.5	27
45	Ecological Effects of Nitrogen Deposition in the Western United States. BioScience, 2003, 53, 404.	4.9	522
46	Nitrogen Emissions, Deposition, and Monitoring in the Western United States. BioScience, 2003, 53, 391.	4.9	355
47	A Throughfall Collection Method Using Mixed Bed Ion Exchange Resin Columns. Scientific World Journal, The, 2002, 2, 122-130.	2.1	29
48	Nitrogen and Sulfur Deposition in the Mexico City Air Basin: Impacts on Forest Nutrient Status and Nitrate Levels in Drainage Waters. Ecological Studies, 2002, , 298-319.	1.2	4
49	Resources at Risk and Research Needs. Ecological Studies, 2002, , 356-372.	1.2	0
50	Summary of Air Pollution Impacts on Forests in the Mexico City Air Basin. Ecological Studies, 2002, , 337-355.	1.2	3
51	Current and future effects of ozone and atmospheric nitrogen deposition on Californiaâ€™s mixed conifer forests. Forest Ecology and Management, 2001, 144, 159-173.	3.2	64
52	Concentrations, Deposition, and Effects of Nitrogenous Pollutants in Selected California Ecosystems. Scientific World Journal, The, 2001, 1, 304-311.	2.1	9
53	A Case Study of Nitrogen Saturation in Western U.S. Forests. Scientific World Journal, The, 2001, 1, 433-439.	2.1	5
54	Throughfall and fog deposition of nitrogen and sulfur at an N-limited and N-saturated site in the San Bernardino Mountains, southern California. Canadian Journal of Forest Research, 2000, 30, 1476-1488.	1.7	51

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55	Temporal and Spatial Trends in Streamwater Nitrate Concentrations in the San Bernardino Mountains, Southern California. Journal of Environmental Quality, 1999, 28, 822-836.	2.0	84
56	NITROGEN EXCESS IN NORTH AMERICAN ECOSYSTEMS: PREDISPOSING FACTORS, ECOSYSTEM RESPONSES, AND MANAGEMENT STRATEGIES. , 1998, 8, 706-733.		634
57	Using vector analysis to assess nitrogen status of ponderosa and Jeffrey pine along deposition gradients in forests of southern California. Forest Ecology and Management, 1997, 94, 47-59.	3.2	40
58	Evidence for nitrogen saturation in the San Bernardino Mountains in southern California. Forest Ecology and Management, 1996, 82, 211-230.	3.2	177
59	Nitrogen deposition in California forests: A review. Environmental Pollution, 1996, 92, 127-146.	7.5	234
60	Dry deposition of nitrogen and sulfur to Ponderosa and Jeffrey pine in the San Bernardino national forest in Southern California. Environmental Pollution, 1993, 81, 277-285.	7.5	65
61	Litter Decomposition Across an Airâ€Pollution Gradient in the San Bernardino Mountains. Soil Science Society of America Journal, 1989, 53, 1560-1567.	2.2	46