

# Jeff A Hatten

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,133  
citations

516215

16  
h-index

414034

32  
g-index

44  
all docs

44  
docs citations

44  
times ranked

1642  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fire as a fundamental ecological process: Research advances and frontiers. <i>Journal of Ecology</i> , 2020, 108, 2047-2069.	1.9	281
2	Particulate organic matter export by two contrasting small mountainous rivers from the Pacific Northwest, U.S.A.. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 112-134.	1.3	104
3	The role of effective discharge in the ocean delivery of particulate organic carbon by small, mountainous river systems. <i>Limnology and Oceanography</i> , 2010, 55, 161-171.	1.6	89
4	Chemical characteristics of particulate organic matter from a small, mountainous river system in the Oregon Coast Range, USA. <i>Biogeochemistry</i> , 2012, 107, 43-66.	1.7	80
5	A comparison of soil properties after contemporary wildfire and fire suppression. <i>Forest Ecology and Management</i> , 2005, 220, 227-241.	1.4	51
6	Flood-driven transport of sediment, particulate organic matter, and nutrients from the Po River watershed to the Mediterranean Sea. <i>Journal of Hydrology</i> , 2013, 498, 144-152.	2.3	45
7	Changes in Soil Organic Matter Pools and Carbon Mineralization as Influenced by Fire Severity. <i>Soil Science Society of America Journal</i> , 2009, 73, 262-273.	1.2	42
8	Soil organic matter in a ponderosa pine forest with varying seasons and intervals of prescribed burn. <i>Forest Ecology and Management</i> , 2008, 255, 2555-2565.	1.4	41
9	Carbon storage and nutrient mobilization from soil minerals by deep roots and rhizospheres. <i>Forest Ecology and Management</i> , 2016, 359, 322-331.	1.4	39
10	Effects of contemporary forest harvesting on suspended sediment in the Oregon Coast Range: Alsea Watershed Study Revisited. <i>Forest Ecology and Management</i> , 2018, 408, 238-248.	1.4	32
11	Long-term effects of forest harvesting on summer low flow deficits in the Coast Range of Oregon. <i>Journal of Hydrology</i> , 2020, 585, 124749.	2.3	32
12	Soil organic carbon pool and chemical composition under different types of land use in wetland: Implication for carbon sequestration in wetlands. <i>Science of the Total Environment</i> , 2020, 716, 136996.	3.9	32
13	Fire severity effects on soil organic matter from a ponderosa pine forest: a laboratory study. <i>International Journal of Wildland Fire</i> , 2010, 19, 613.	1.0	20
14	Role of season and interval of prescribed burning on ponderosa pine growth in relation to soil inorganic N and P and moisture. <i>Forest Ecology and Management</i> , 2012, 269, 106-115.	1.4	18
15	1500 years of lake sedimentation due to fire, earthquakes, floods and land clearance in the Oregon Coast Range: geomorphic sensitivity to floods during timber harvest period. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 1496-1517.	1.2	17
16	Effects of season and interval of prescribed burns on pyrogenic carbon in ponderosa pine stands in the southern Blue Mountains, Oregon, USA. <i>Geoderma</i> , 2019, 348, 1-11.	2.3	17
17	A "healthy" balance – The role of physical and chemical properties in maintaining forest soil function in a changing world. <i>Developments in Soil Science</i> , 2019, , 373-396.	0.5	17
18	Soil Properties, Nitrogen Status, and Switchgrass Productivity in a Biochar-Amended Silty Clay Loam. <i>Soil Science Society of America Journal</i> , 2014, 78, S136.	1.2	16

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19	Recovery of ectomycorrhizal fungus communities fifteen years after fuels reduction treatments in ponderosa pine forests of the Blue Mountains, Oregon. <i>Forest Ecology and Management</i> , 2018, 422, 11-22.	1.4	15
20	Impacts of organic matter removal and vegetation control on nutrition and growth of Douglas-fir at three Pacific Northwestern Long-Term Soil Productivity sites. <i>Forest Ecology and Management</i> , 2020, 468, 118176.	1.4	14
21	The effect of organic matter manipulations on site productivity, soil nutrients, and soil carbon on a southern loblolly pine plantation. <i>Forest Ecology and Management</i> , 2014, 326, 25-35.	1.4	13
22	Quantifying effects of forest harvesting on sources of suspended sediment to an Oregon Coast Range headwater stream. <i>Forest Ecology and Management</i> , 2020, 466, 118123.	1.4	12
23	Changes in vegetative communities and water table dynamics following timber harvesting in small headwater streams. <i>Forest Ecology and Management</i> , 2012, 281, 1-11.	1.4	11
24	Short-Term Effects of Recent Fire on the Production and Translocation of Pyrogenic Carbon in Great Smoky Mountains National Park. <i>Frontiers in Forests and Global Change</i> , 2020, 3, .	1.0	11
25	Climate Effects on Subsoil Carbon Loss Mediated by Soil Chemistry. <i>Environmental Science &amp; Technology</i> , 2021, 55, 16224-16235.	4.6	9
26	Experimental evaluation of herbicide use on biodiversity, ecosystem services and timber production tradeoffs in forest plantations. <i>Journal of Applied Ecology</i> , 2022, 59, 52-66.	1.9	8
27	Estimation of dynamic load of mercury in a river with BASINS-HSPF model. <i>Journal of Soils and Sediments</i> , 2012, 12, 207-216.	1.5	6
28	Soil and Sediment Carbon and Nitrogen in Mississippi Alluvial Valley and Interior Flatwoods Bottomlands. <i>Soil Science Society of America Journal</i> , 2014, 78, S248.	1.2	6
29	Carbon-Mercury Interactions in Spodosols Assessed through Density Fractionation, Radiocarbon Analysis, and Soil Survey Information. <i>Soil Science Society of America Journal</i> , 2019, 83, 190-202.	1.2	6
30	A STELLA Model to Estimate Soil CO2 Emissions from a Short-Rotation Woody Crop. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	5
31	Real-time estimation of TP load in a Mississippi Delta stream using a dynamic data driven application system. <i>Journal of Environmental Management</i> , 2013, 122, 37-41.	3.8	5
32	Capacity of biochar application and nitrogen fertilization to mitigate grass competition upon tree seedlings during stand regeneration. <i>Forest Ecology and Management</i> , 2016, 376, 298-309.	1.4	5
33	Soil Carbon Storage in Douglas-Fir Forests of Western Oregon and Washington Before and After Modern Timber Harvesting Practices. <i>Soil Science Society of America Journal</i> , 2019, 83, S175.	1.2	5
34	Cupric Oxide (CuO) Oxidation Detects Pyrogenic Carbon in Burnt Organic Matter and Soils. <i>PLoS ONE</i> , 2016, 11, e0151957.	1.1	5
35	Conversion to drip irrigated agriculture may offset historic anthropogenic and wildfire contributions to sediment production. <i>Science of the Total Environment</i> , 2016, 556, 219-230.	3.9	4
36	An added boost in pyrogenic carbon when wildfire burns forest with high pre-fire mortality. <i>Fire Ecology</i> , 2020, 16, .	1.1	4

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37	Establishment phase productivity of loblolly pine and switchgrass when grown across a gradient of cultural treatment and site productivity. <i>Forest Ecology and Management</i> , 2017, 400, 228-237.	1.4	3
38	Climate Drivers and Sources of Sediment and Organic Matter Fluxes in Intermittent Rivers and Ephemeral Streams (IRES) of a Subtropical Watershed, USA. <i>Climate</i> , 2020, 8, 117.	1.2	3
39	Effect of Timber Harvesting on Stormflow Characteristics in Headwater Streams of Managed, Forested Watersheds in the Upper Gulf Coastal Plain of Mississippi. <i>Journal of the Faculty of Agriculture, Kyushu University</i> , 2013, 58, 395-402.	0.1	3
40	Key predictors of soil organic matter vulnerability to mineralization differ with depth at a continental scale. <i>Biogeochemistry</i> , 2022, 157, 87-107.	1.7	3
41	Associations between Swiss Needle Cast Severity and Foliar Nutrients in Young-Growth Douglas-Fir in Coastal Western Oregon and Southwest Washington, USA. <i>Forest Science</i> , 2019, 65, 537-542.	0.5	2
42	Long-Term Soil Productivity in Christmas Tree Farms of Oregon and Washington: A Comparative Analysis between First- and Multi-Rotation Plantations. <i>Forests</i> , 2014, 5, 2581-2593.	0.9	1
43	Long-Term Forest Productivity. , 2017, , 149-160.		1
44	A simple approach to estimate daily loads of total, refractory, and labile organic carbon from their seasonal loads in a watershed. <i>Environmental Science and Pollution Research</i> , 2018, 25, 21731-21741.	2.7	0