Paul F Hessburg

List of Publications by Year
in descending order

61 papers	4,806 citations	186265 28 h-index	144013 57 g-index
66 all docs	66 docs citations	66 times ranked	3404 citing authors

#	Article	IF	Citations
1	Learning to coexist with wildfire. Nature, 2014, 515, 58-66.	27.8	739
2	Dry forests and wildland fires of the inland Northwest USA: Contrasting the landscape ecology of the pre-settlement and modern eras. Forest Ecology and Management, 2005, 211, 117-139.	3.2	371
3	The use of historical range and variability (HRV) in landscape management. Forest Ecology and Management, 2009, 258, 1025-1037.	3.2	293
4	An environmental narrative of Inland Northwest United States forests, 1800â€"2000. Forest Ecology and Management, 2003, 178, 23-59.	3.2	269
5	Restoring forest resilience: From reference spatial patterns to silvicultural prescriptions and monitoring. Forest Ecology and Management, 2013, 291, 442-457.	3.2	264
6	The ecology of mixed severity fire regimes in Washington, Oregon, and Northern California. Forest Ecology and Management, 2011, 262, 703-717.	3.2	248
7	Restoring fire-prone Inland Pacific landscapes: seven core principles. Landscape Ecology, 2015, 30, 1805-1835.	4.2	224
8	Tamm Review: Shifting global fire regimes: Lessons from reburns and research needs. Forest Ecology and Management, 2017, 396, 217-233.	3.2	176
9	Climate, Environment, and Disturbance History Govern Resilience of Western North American Forests. Frontiers in Ecology and Evolution, 2019, 7, .	2.2	174
10	Tamm Review: Management of mixed-severity fire regime forests in Oregon, Washington, and Northern California. Forest Ecology and Management, 2016, 366, 221-250.	3.2	158
11	Re-examining fire severity relations in pre-management era mixed conifer forests: inferences from landscape patterns of forest structure. Landscape Ecology, 2007, 22, 5-24.	4.2	157
12	Evidence for widespread changes in the structure, composition, and fire regimes of western North American forests. Ecological Applications, 2021, 31, e02431.	3.8	153
13	Adapting western North American forests to climate change and wildfires: 10 common questions. Ecological Applications, 2021, 31, e02433.	3.8	133
14	Fire and aquatic ecosystems of the western USA: current knowledge and key questions. Forest Ecology and Management, 2003, 178, 213-229.	3.2	117
15	DETECTING CHANGE IN FOREST SPATIAL PATTERNS FROM REFERENCE CONDITIONS. , 1999, 9, 1232-1252.		109
16	Wildfire and climate change adaptation of western North American forests: a case for intentional management. Ecological Applications, 2021, 31, e02432.	3.8	93
17	A method for mapping fire hazard and risk across multiple scales and its application in fire management. Ecological Modelling, 2010, 221, 2-18.	2.5	92
18	Evaluating wildland fire danger and prioritizing vegetation and fuels treatments. Forest Ecology and Management, 2007, 247, 1-17.	3.2	71

#	Article	IF	Citations
19	Landscape Evaluation for Restoration Planning on the Okanogan-Wenatchee National Forest, USA. Sustainability, 2013, 5, 805-840.	3.2	54
20	Twentyâ€five years of the Northwest Forest Plan: what have we learned?. Frontiers in Ecology and the Environment, 2019, 17, 511-520.	4.0	53
21	Wildfire and Management of Forests and Native Fishes: Conflict or Opportunity for Convergent Solutions?. BioScience, 2010, 60, 460-468.	4.9	50
22	Use of landscape simulation modeling to quantify resilience for ecological applications. Ecosphere, 2018, 9, e02414.	2.2	49
23	Native Fire Regimes and Landscape Resilience. Ecological Studies, 2011, , 51-86.	1.2	46
24	Differentiating mixed- and high-severity fire regimes in mixed-conifer forests of the Canadian Cordillera. Forest Ecology and Management, 2015, 341, 45-58.	3.2	41
25	Machine learning and linear regression models to predict catchmentâ€level base cation weathering rates across the southern Appalachian Mountain region, USA. Water Resources Research, 2014, 50, 2798-2814.	4.2	40
26	Is fire â€œfor the birdsâ€? How two rare species influence fire management across the <scp>US</scp>. Frontiers in Ecology and the Environment, 2019, 17, 391-399.	4.0	40
27	Evidence for scaleâ€dependent topographic controls on wildfire spread. Ecosphere, 2018, 9, e02443.	2.2	38
28	Toward an Integrated Classification of Ecosystems: Defining Opportunities for Managing Fish and Forest Health. Environmental Management, 2000, 25, 425-444.	2.7	37
29	Downstream Warming and Headwater Acidity May Diminish Coldwater Habitat in Southern Appalachian Mountain Streams. PLoS ONE, 2015, 10, e0134757.	2.5	33
30	Previous wildfires and management treatments moderate subsequent fire severity. Forest Ecology and Management, 2022, 504, 119764.	3.2	31
31	Wildfire, Smoke Exposure, Human Health, and Environmental Justice Need to be Integrated into Forest Restoration and Management. Current Environmental Health Reports, 2022, 9, 366-385.	6.7	31
32	Climate change and vulnerability of bull trout (<i>Salvelinus confluentus</i>) in a fire-prone landscape. Canadian Journal of Fisheries and Aquatic Sciences, 2015, 72, 304-318.	1.4	28
33	Tamm Review: Ecological principles to guide post-fire forest landscape management in the Inland Pacific and Northern Rocky Mountain regions. Forest Ecology and Management, 2022, 504, 119680.	3.2	28
34	Underestimating Risks to the Northern Spotted Owl in Fireâ€Prone Forests: Response to Hanson et al.. Conservation Biology, 2010, 24, 330-333.	4.7	25
35	Wildfire may increase habitat quality for spring Chinook salmon in the Wenatchee River subbasin, WA, USA. Forest Ecology and Management, 2016, 359, 126-140.	3.2	22
36	Improving the use of early timber inventories in reconstructing historical dry forests and fire in the western United States: Comment. Ecosphere, 2018, 9, e02232.	2.2	18

#	Article	IF	Citations
37	Wildfire severity and postfire salvage harvest effects on long-term forest regeneration. Ecosphere, 2020, 11, e03199.	2.2	17
38	Machine learning and hurdle models for improving regional predictions of stream water acid neutralizing capacity. Water Resources Research, 2013, 49, 3531-3546.	4.2	16
39	A watershed decision support tool for managing invasive species on Hawaiʻi Island, USA. Forest Ecology and Management, 2017, 400, 300-320.	3.2	16
40	National fuel-treatment budgeting in US federal agencies: Capturing opportunities for transparent decision-making. Forest Ecology and Management, 2009, 258, 2373-2381.	3.2	15
41	Post-fire landscape evaluations in Eastern Washington, USA: Assessing the work of contemporary wildfires. Forest Ecology and Management, 2022, 504, 119796.	3.2	15
42	Steady-state sulfur critical loads and exceedances for protection of aquatic ecosystems in the U.S. southern Appalachian Mountains. Journal of Environmental Management, 2014, 146, 407-419.	7.8	13
43	An Overview of the Ecosystem Management Decision-Support System. Environmental Science and Engineering, 2014, , 3-22.	0.2	13
44	Wilderness in the 21st Century: A Framework for Testing Assumptions about Ecological Intervention in Wilderness Using a Case Study of Fire Ecology in the Rocky Mountains. Journal of Forestry, 2016, 114, 384-395.	1.0	13
45	A decision support tool for the conservation of tropical forest and nearshore environments on Babeldaob Island, Palau. Forest Ecology and Management, 2020, 476, 118480.	3.2	11
46	Climate and wildfire adaptation of inland Northwest US forests. Frontiers in Ecology and the Environment, 2022, 20, 40-48.	4.0	10
47	Climate change and forest management on federal lands in the Pacific Northwest, USA: Managing for dynamic landscapes. Forest Ecology and Management, 2022, 504, 119794.	3.2	10
48	Fire Ecology and Management in Pacific Northwest Forests. Managing Forest Ecosystems, 2021, , 393-435.	0.9	9
49	Thinning and prescribed fire effects on dwarf mistletoe severity in an eastern Cascade Range dry forest, Washington. Forest Ecology and Management, 2008, 255, 2907-2915.	3.2	8
50	Headwater streams and forest management: Does ecoregional context influence logging effects on benthic communities?. Hydrobiologia, 2010, 641, 71-83.	2.0	8
51	Integrating ecosystem services modeling and efficiencies in decision-support models conceptualization for watershed management. Ecological Modelling, 2022, 466, 109879.	2.5	6
52	Evaluating Basin-Scale Forest Adaptation Scenarios: Wildfire, Streamflow, Biomass, and Economic Recovery Synergies and Trade-Offs. Frontiers in Forests and Global Change, 2022, 5, .	2.3	6
53	Optimizing invasive species management using mathematical programming to support stewardship of water and carbon-based ecosystem services. Journal of Environmental Management, 2022, 301, 113803.	7.8	5
54	Postfire treatments alter forest canopy structure up to three decades after fire. Forest Ecology and Management, 2021, 505, 119872.	3.2	5

#	ARTICLE	IF	CITATIONS
55	Recognizing Women Leaders in Fire Science. Fire, 2018, 1, 30.	2.8	4
56	Spatial Decision Support for Assessing Impacts of Atmospheric Sulfur Deposition on Aquatic Ecosystems in the Southern Appalachian Region. , 2012, , .		2
57	Synthesis and New Directions. Environmental Science and Engineering, 2014, , 315-332.	0.2	2
58	Landscape Evaluation and Restoration Planning. Environmental Science and Engineering, 2014, , 135-174.	0.2	1
59	Seed Invasion Filters and Forest Fire Severity. Fire Ecology, 2008, 4, 87-100.	3.0	0
60	Evaluating Wildfire Hazard and Risk for Fire Management Applications. Environmental Science and Engineering, 2014, , 111-133.	0.2	0
61	Emphasis Areas as an Alternative to Buffer Zones and Reserved Areas in the Conservation of Biodiversity and Ecosystem Processes. , 2018, , 283-292.		0