

Paul F Hessburg

List of Publications by Year in descending order

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Version: 2024-02-01

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	Climate and wildfire adaptation of inland Northwest US forests. <i>Frontiers in Ecology and the Environment</i> , 2022, 20, 40-48.	4.0	10
2	Previous wildfires and management treatments moderate subsequent fire severity. <i>Forest Ecology and Management</i> , 2022, 504, 119764.	3.2	31
3	Optimizing invasive species management using mathematical programming to support stewardship of water and carbon-based ecosystem services. <i>Journal of Environmental Management</i> , 2022, 301, 113803.	7.8	5
4	Post-fire landscape evaluations in Eastern Washington, USA: Assessing the work of contemporary wildfires. <i>Forest Ecology and Management</i> , 2022, 504, 119796.	3.2	15
5	Climate change and forest management on federal lands in the Pacific Northwest, USA: Managing for dynamic landscapes. <i>Forest Ecology and Management</i> , 2022, 504, 119794.	3.2	10
6	Tamm Review: Ecological principles to guide post-fire forest landscape management in the Inland Pacific and Northern Rocky Mountain regions. <i>Forest Ecology and Management</i> , 2022, 504, 119680.	3.2	28
7	Integrating ecosystem services modeling and efficiencies in decision-support models conceptualization for watershed management. <i>Ecological Modelling</i> , 2022, 466, 109879.	2.5	6
8	Evaluating Basin-Scale Forest Adaptation Scenarios: Wildfire, Streamflow, Biomass, and Economic Recovery Synergies and Trade-Offs. <i>Frontiers in Forests and Global Change</i> , 2022, 5, .	2.3	6
9	Wildfire, Smoke Exposure, Human Health, and Environmental Justice Need to be Integrated into Forest Restoration and Management. <i>Current Environmental Health Reports</i> , 2022, 9, 366-385.	6.7	31
10	Adapting western North American forests to climate change and wildfires: 10 common questions. <i>Ecological Applications</i> , 2021, 31, e02433.	3.8	133
11	Evidence for widespread changes in the structure, composition, and fire regimes of western North American forests. <i>Ecological Applications</i> , 2021, 31, e02431.	3.8	153
12	Wildfire and climate change adaptation of western North American forests: a case for intentional management. <i>Ecological Applications</i> , 2021, 31, e02432.	3.8	93
13	Fire Ecology and Management in Pacific Northwest Forests. <i>Managing Forest Ecosystems</i> , 2021, , 393-435.	0.9	9
14	Postfire treatments alter forest canopy structure up to three decades after fire. <i>Forest Ecology and Management</i> , 2021, 505, 119872.	3.2	5
15	A decision support tool for the conservation of tropical forest and nearshore environments on Babeldaob Island, Palau. <i>Forest Ecology and Management</i> , 2020, 476, 118480.	3.2	11
16	Wildfire severity and postfire salvage harvest effects on long-term forest regeneration. <i>Ecosphere</i> , 2020, 11, e03199.	2.2	17
17	Climate, Environment, and Disturbance History Govern Resilience of Western North American Forests. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	174
18	Is fire "for the birds"? How two rare species influence fire management across the <sc>US</sc>. <i>Frontiers in Ecology and the Environment</i> , 2019, 17, 391-399.	4.0	40

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19	Twenty-five years of the Northwest Forest Plan: what have we learned?. <i>Frontiers in Ecology and the Environment</i> , 2019, 17, 511-520.	4.0	53
20	Evidence for scale-dependent topographic controls on wildfire spread. <i>Ecosphere</i> , 2018, 9, e02443.	2.2	38
21	Use of landscape simulation modeling to quantify resilience for ecological applications. <i>Ecosphere</i> , 2018, 9, e02414.	2.2	49
22	Improving the use of early timber inventories in reconstructing historical dry forests and fire in the western United States: Comment. <i>Ecosphere</i> , 2018, 9, e02232.	2.2	18
23	Recognizing Women Leaders in Fire Science. <i>Fire</i> , 2018, 1, 30.	2.8	4
24	Emphasis Areas as an Alternative to Buffer Zones and Reserved Areas in the Conservation of Biodiversity and Ecosystem Processes. , 2018, , 283-292.		0
25	Tamm Review: Shifting global fire regimes: Lessons from reburns and research needs. <i>Forest Ecology and Management</i> , 2017, 396, 217-233.	3.2	176
26	A watershed decision support tool for managing invasive species on Hawai'i Island, USA. <i>Forest Ecology and Management</i> , 2017, 400, 300-320.	3.2	16
27	Tamm Review: Management of mixed-severity fire regime forests in Oregon, Washington, and Northern California. <i>Forest Ecology and Management</i> , 2016, 366, 221-250.	3.2	158
28	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. <i>Journal of Forestry</i> , 2016, 114, 384-395.	1.0	13
29	Wildfire may increase habitat quality for spring Chinook salmon in the Wenatchee River subbasin, WA, USA. <i>Forest Ecology and Management</i> , 2016, 359, 126-140.	3.2	22
30	Restoring fire-prone Inland Pacific landscapes: seven core principles. <i>Landscape Ecology</i> , 2015, 30, 1805-1835.	4.2	224
31	Downstream Warming and Headwater Acidity May Diminish Coldwater Habitat in Southern Appalachian Mountain Streams. <i>PLoS ONE</i> , 2015, 10, e0134757.	2.5	33
32	Differentiating mixed- and high-severity fire regimes in mixed-conifer forests of the Canadian Cordillera. <i>Forest Ecology and Management</i> , 2015, 341, 45-58.	3.2	41
33	Climate change and vulnerability of bull trout (<i>Salvelinus confluentus</i>) in a fire-prone landscape. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2015, 72, 304-318.	1.4	28
34	Steady-state sulfur critical loads and exceedances for protection of aquatic ecosystems in the U.S. southern Appalachian Mountains. <i>Journal of Environmental Management</i> , 2014, 146, 407-419.	7.8	13
35	Learning to coexist with wildfire. <i>Nature</i> , 2014, 515, 58-66.	27.8	739
36	An Overview of the Ecosystem Management Decision-Support System. <i>Environmental Science and Engineering</i> , 2014, , 3-22.	0.2	13

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37	Machine learning and linear regression models to predict catchment-level base cation weathering rates across the southern Appalachian Mountain region, USA. <i>Water Resources Research</i> , 2014, 50, 2798-2814.	4.2	40
38	Synthesis and New Directions. <i>Environmental Science and Engineering</i> , 2014, , 315-332.	0.2	2
39	Landscape Evaluation and Restoration Planning. <i>Environmental Science and Engineering</i> , 2014, , 135-174.	0.2	1
40	Evaluating Wildfire Hazard and Risk for Fire Management Applications. <i>Environmental Science and Engineering</i> , 2014, , 111-133.	0.2	0
41	Restoring forest resilience: From reference spatial patterns to silvicultural prescriptions and monitoring. <i>Forest Ecology and Management</i> , 2013, 291, 442-457.	3.2	264
42	Landscape Evaluation for Restoration Planning on the Okanogan-Wenatchee National Forest, USA. <i>Sustainability</i> , 2013, 5, 805-840.	3.2	54
43	Machine learning and hurdle models for improving regional predictions of stream water acid neutralizing capacity. <i>Water Resources Research</i> , 2013, 49, 3531-3546.	4.2	16
44	Spatial Decision Support for Assessing Impacts of Atmospheric Sulfur Deposition on Aquatic Ecosystems in the Southern Appalachian Region. , 2012, , .		2
45	The ecology of mixed severity fire regimes in Washington, Oregon, and Northern California. <i>Forest Ecology and Management</i> , 2011, 262, 703-717.	3.2	248
46	Native Fire Regimes and Landscape Resilience. <i>Ecological Studies</i> , 2011, , 51-86.	1.2	46
47	Headwater streams and forest management: Does ecoregional context influence logging effects on benthic communities?. <i>Hydrobiologia</i> , 2010, 641, 71-83.	2.0	8
48	A method for mapping fire hazard and risk across multiple scales and its application in fire management. <i>Ecological Modelling</i> , 2010, 221, 2-18.	2.5	92
49	Underestimating Risks to the Northern Spotted Owl in Fire-Prone Forests: Response to Hanson et al.. <i>Conservation Biology</i> , 2010, 24, 330-333.	4.7	25
50	Wildfire and Management of Forests and Native Fishes: Conflict or Opportunity for Convergent Solutions?. <i>BioScience</i> , 2010, 60, 460-468.	4.9	50
51	The use of historical range and variability (HRV) in landscape management. <i>Forest Ecology and Management</i> , 2009, 258, 1025-1037.	3.2	293
52	National fuel-treatment budgeting in US federal agencies: Capturing opportunities for transparent decision-making. <i>Forest Ecology and Management</i> , 2009, 258, 2373-2381.	3.2	15
53	Thinning and prescribed fire effects on dwarf mistletoe severity in an eastern Cascade Range dry forest, Washington. <i>Forest Ecology and Management</i> , 2008, 255, 2907-2915.	3.2	8
54	Seed Invasion Filters and Forest Fire Severity. <i>Fire Ecology</i> , 2008, 4, 87-100.	3.0	0

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55	Evaluating wildland fire danger and prioritizing vegetation and fuels treatments. <i>Forest Ecology and Management</i> , 2007, 247, 1-17.	3.2	71
56	Re-examining fire severity relations in pre-management era mixed conifer forests: inferences from landscape patterns of forest structure. <i>Landscape Ecology</i> , 2007, 22, 5-24.	4.2	157
57	Dry forests and wildland fires of the inland Northwest USA: Contrasting the landscape ecology of the pre-settlement and modern eras. <i>Forest Ecology and Management</i> , 2005, 211, 117-139.	3.2	371
58	An environmental narrative of Inland Northwest United States forests, 1800â€“2000. <i>Forest Ecology and Management</i> , 2003, 178, 23-59.	3.2	269
59	Fire and aquatic ecosystems of the western USA: current knowledge and key questions. <i>Forest Ecology and Management</i> , 2003, 178, 213-229.	3.2	117
60	Toward an Integrated Classification of Ecosystems: Defining Opportunities for Managing Fish and Forest Health. <i>Environmental Management</i> , 2000, 25, 425-444.	2.7	37
61	DETECTING CHANGE IN FOREST SPATIAL PATTERNS FROM REFERENCE CONDITIONS. , 1999, 9, 1232-1252.		109