Brian J Harvey

List of Publications by Year
in descending order

45 papers	4,904 citations	218677 26 h-index	254184 43 g-index
47 all docs	47 docs citations	47 times ranked	4522 citing authors

#	Article	IF	Citations
1	Changing disturbance regimes, ecological memory, and forest resilience. Frontiers in Ecology and the Environment, 2016, 14, 369-378.	4.0	947
2	Adapt to more wildfire in western North American forests as climate changes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 4582-4590.	7.1	536
3	Evidence for declining forest resilience to wildfires under climate change. Ecology Letters, 2018, 21, 243-252.	6.4	448
4	Wildfire-Driven Forest Conversion in Western North American Landscapes. BioScience, 2020, 70, 659-673.	4.9	323
5	Fire as a fundamental ecological process: Research advances and frontiers. Journal of Ecology, 2020, 108, 2047-2069.	4.0	281
6	Changing wildfire, changing forests: the effects of climate change on fire regimes and vegetation in the Pacific Northwest, USA. Fire Ecology, 2020, 16, .	3.0	252
7	High and dry: postâ€fire tree seedling establishment in subalpine forests decreases with postâ€fire drought and large standâ€replacing burn patches. Global Ecology and Biogeography, 2016, 25, 655-669.	5.8	213
8	Rethinking resilience to wildfire. Nature Sustainability, 2019, 2, 797-804.	23.7	174
9	Patterns and drivers of recent disturbances across the temperate forest biome. Nature Communications, 2018, 9, 4355.	12.8	167
10	Short-interval severe fire erodes the resilience of subalpine lodgepole pine forests. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11319-11328.	7.1	156
11	Recent mountain pine beetle outbreaks, wildfire severity, and postfire tree regeneration in the US Northern Rockies. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15120-15125.	7.1	118
12	Projected increases in western US forest fire despite growing fuel constraints. Communications Earth & Environment, 2021, 2, .	6.8	102
13	Moisture availability limits subalpine tree establishment. Ecology, 2018, 99, 567-575.	3.2	100
14	Influence of recent bark beetle outbreak on fire severity and postfire tree regeneration in montane Douglasâ€fir forests. Ecology, 2013, 94, 2475-2486.	3.2	90
15	Drivers and trends in landscape patterns of stand-replacing fire in forests of the US Northern Rocky Mountains (1984â€"2010). Landscape Ecology, 2016, 31, 2367-2383.	4.2	89
16	Burn me twice, shame on who? Interactions between successive forest fires across a temperate mountain region. Ecology, 2016, 97, 2272-2282.	3.2	83
17	Regeneration of montane forests 24Âyears after the 1988 Yellowstone fires: A fireâ€catalyzed shift in lower treelines?. Ecosphere, 2016, 7, e01410.	2.2	82
18	Bark beetle effects on fuel profiles across a range of stand structures in Douglasâ€fir forests of Greater Yellowstone. Ecological Applications, 2013, 23, 3-20.	3.8	73

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19	Fire severity and tree regeneration following bark beetle outbreaks: the role of outbreak stage and burning conditions. Ecological Applications, 2014, 24, 1608-1625.	3.8	73
20	Human-caused climate change is now a key driver of forest fire activity in the western United States. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11649-11650.	7.1	70
21	Divergent successional pathways of stand development following fire in a <scp>C</scp>alifornia closedâ€cone pine forest. Journal of Vegetation Science, 2014, 25, 88-99.	2.2	61
22	Historical foundations and future directions in macrosystems ecology. Ecology Letters, 2017, 20, 147-157.	6.4	49
23	The nature of the beast: examining climate adaptation options in forests with standâ€replacing fire regimes. Ecosphere, 2018, 9, e02140.	2.2	40
24	Integrating Subjective and Objective Dimensions of Resilience in Fire-Prone Landscapes. BioScience, 2019, 69, 379-388.	4.9	40
25	Incorporating biophysical gradients and uncertainty into burn severity maps in a temperate fireâ€prone forested region. Ecosphere, 2019, 10, e02600.	2.2	40
26	Fire severity unaffected by spruce beetle outbreak in spruceâ€fir forests in southwestern Colorado. Ecological Applications, 2016, 26, 700-711.	3.8	35
27	Evaluating post-outbreak management effects on future fuel profiles and stand structure in bark beetle-impacted forests of Greater Yellowstone. Forest Ecology and Management, 2013, 303, 160-174.	3.2	27
28	Increasing rates of subalpine tree mortality linked to warmer and drier summers. Journal of Ecology, 2021, 109, 2203-2218.	4.0	24
29	Cascadia Burning: The historic, but not historically unprecedented, 2020 wildfires in the Pacific Northwest, <scp>USA</scp>. Ecosphere, 2022, 13, .	2.2	23
30	The value of linking paleoecological and neoecological perspectives to understand spatially-explicit ecosystem resilience. Landscape Ecology, 2019, 34, 17-33.	4.2	20
31	Neighborhood context mediates probability of host tree mortality in a severe bark beetle outbreak. Ecosphere, 2020, 11, e03236.	2.2	18
32	Reproductive maturity and cone abundance vary with tree size and stand basal area for two widely distributed conifers. Ecosphere, 2020, 11, e03092.	2.2	17
33	Effects of Bark Beetle Outbreaks on Forest Landscape Pattern in the Southern Rocky Mountains, U.S.A.. Remote Sensing, 2021, 13, 1089.	4.0	17
34	Spatial variability in stand structure and density-dependent mortality in newly established post-fire stands of a California closed-cone pine forest. Forest Ecology and Management, 2011, 262, 2042-2051.	3.2	15
35	Harnessing the NEON data revolution to advance open environmental science with a diverse and dataâ€capable community. Ecosphere, 2021, 12, .	2.2	15
36	Droughty times in mesic places: factors associated with forest mortality vary by scale in a temperate subalpine region. Ecosphere, 2021, 12, e03318.	2.2	14

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37	The Fire and Tree Mortality Database, for empirical modeling of individual tree mortality after fire. Scientific Data, 2020, 7, 194.	5.3	13
38	Do you CBI what I see? The relationship between the Composite Burn Index and quantitative field measures of burn severity varies across gradients of forest structure. International Journal of Wildland Fire, 2022, 31, 112-123.	2.4	13
39	Different vital rates of Engelmann spruce and subalpine fir explain discordance in understory and overstory dominance. Canadian Journal of Forest Research, 2018, 48, 1554-1562.	1.7	10
40	Does the legacy of historical thinning treatments foster resilience to bark beetle outbreaks in subalpine forests?. Ecological Applications, 2022, 32, e02474.	3.8	10
41	Stand dynamics and topographic setting influence changes in live tree biomass over a 34-year permanent plot record in a subalpine forest in the Colorado Front Range. Canadian Journal of Forest Research, 2019, 49, 1256-1264.	1.7	9
42	Fire Ecology of Rocky Mountain Forests. Managing Forest Ecosystems, 2021, , 287-336.	0.9	6
43	Demographic processes underpinning post-fire resilience in California closed-cone pine forests: the importance of fire interval, stand structure, and climate. Plant Ecology, 0, , 1.	1.6	5
44	Harnessing <scp>NEON</scp> to evaluate ecological tipping points: Opportunities, challenges, and approaches. Ecosphere, 2022, 13, .	2.2	4
45	Climate change and altered fire regimes: impacts on plant populations, species, and ecosystems in both hemispheres. Plant Ecology, 0, , .	1.6	1