

# Phillip J Van Mantgem

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

4,116  
citations

218677

26  
h-index

233421

45  
g-index

53  
all docs

53  
docs citations

53  
times ranked

4859  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crowding, climate, and the case for social distancing among trees. <i>Ecological Applications</i> , 2022, 32, e2507.	3.8	20
2	Long-term effects of prescribed fire on large tree growth in mixed conifer forests at Lassen Volcanic National Park, California. <i>Forest Ecology and Management</i> , 2022, 517, 120260.	3.2	2
3	Seed production patterns of surviving Sierra Nevada conifers show minimal change following drought. <i>Forest Ecology and Management</i> , 2021, 480, 118598.	3.2	5
4	Integrating the evidence for a terrestrial carbon sink caused by increasing atmospheric CO <sub>2</sub> . <i>New Phytologist</i> , 2021, 229, 2413-2445.	7.3	286
5	Effects of postfire climate and seed availability on postfire conifer regeneration. <i>Ecological Applications</i> , 2021, 31, e02280.	3.8	33
6	Patterns of conifer invasion following prescribed fire in grasslands and oak woodlands of Redwood National Park, California. <i>Restoration Ecology</i> , 2021, 29, e13366.	2.9	3
7	Forest Resistance to Extended Drought Enhanced by Prescribed Fire in Low Elevation Forests of the Sierra Nevada. <i>Forests</i> , 2021, 12, 1248.	2.1	5
8	The Fire and Tree Mortality Database, for empirical modeling of individual tree mortality after fire. <i>Scientific Data</i> , 2020, 7, 194.	5.3	13
9	The influence of pre-fire growth patterns on post-fire tree mortality for common conifers in western US parks. <i>International Journal of Wildland Fire</i> , 2020, 29, 513.	2.4	11
10	A large database supports the use of simple models of post-fire tree mortality for thick-barked conifers, with less support for other species. <i>Fire Ecology</i> , 2020, 16, .	3.0	23
11	Thinning, tree-growth, and resistance to multi-year drought in a mixed-conifer forest of northern California. <i>Forest Ecology and Management</i> , 2018, 422, 190-198.	3.2	63
12	Fire and tree death: understanding and improving modeling of fire-induced tree mortality. <i>Environmental Research Letters</i> , 2018, 13, 113004.	5.2	145
13	Pre-fire drought and competition mediate post-fire conifer mortality in western U.S. National Parks. <i>Ecological Applications</i> , 2018, 28, 1730-1739.	3.8	52
14	Higher sensitivity and lower specificity in post-fire mortality model validation of 11 western US tree species. <i>International Journal of Wildland Fire</i> , 2017, 26, 444.	2.4	13
15	Characterizing interactions between fire and other disturbances and their impacts on tree mortality in western U.S. Forests. <i>Forest Ecology and Management</i> , 2017, 405, 188-199.	3.2	65
16	Does Prescribed Fire Promote Resistance to Drought in Low Elevation Forests of the Sierra Nevada, California, USA?. <i>Fire Ecology</i> , 2016, 12, 13-25.	3.0	61
17	The relative contributions of disease and insects in the decline of a long-lived tree: a stochastic demographic model of whitebark pine ( <i>Pinus albicaulis</i> ). <i>Forest Ecology and Management</i> , 2016, 381, 144-156.	3.2	11
18	Duration of fuels reduction following prescribed fire in coniferous forests of U.S. national parks in California and the Colorado Plateau. <i>Forest Ecology and Management</i> , 2016, 379, 265-272.	3.2	15

#	ARTICLE	IF	CITATIONS
19	The influence of prefire tree growth and crown condition on postfire mortality of sugar pine following prescribed fire in Sequoia National Park. <i>Canadian Journal of Forest Research</i> , 2015, 45, 910-919.	1.7	25
20	Increasing elevation of fire in the Sierra Nevada and implications for forest change. <i>Ecosphere</i> , 2015, 6, 1-10.	2.2	54
21	Structure, Diversity, and Biophysical Properties of Old-Growth Forests in the Klamath Region, USA. <i>Northwest Science</i> , 2015, 89, 170-181.	0.2	1
22	An individual-based growth and competition model for coastal redwood forest restoration. <i>Canadian Journal of Forest Research</i> , 2014, 44, 1051-1057.	1.7	8
23	Climatic stress increases forest fire severity across the western United States. <i>Ecology Letters</i> , 2013, 16, 1151-1156.	6.4	201
24	Tree mortality patterns following prescribed fire for Pinus and Abies across the southwestern United States. <i>Forest Ecology and Management</i> , 2013, 289, 463-469.	3.2	21
25	Climatic Correlates of Tree Mortality in Water- and Energy-Limited Forests. <i>PLoS ONE</i> , 2013, 8, e69917.	2.5	71
26	Long-term effects of prescribed fire on mixed conifer forest structure in the Sierra Nevada, California. <i>Forest Ecology and Management</i> , 2011, 261, 989-994.	3.2	68
27	The contribution of competition to tree mortality in old-growth coniferous forests. <i>Forest Ecology and Management</i> , 2011, 261, 1203-1213.	3.2	126
28	Causes and implications of the correlation between forest productivity and tree mortality rates. <i>Ecological Monographs</i> , 2011, 81, 527-555.	5.4	105
29	Response of Western Mountain Ecosystems to Climatic Variability and Change. , 2011, , 163-190.		1
30	The Effects of Raking on Sugar Pine Mortality following Prescribed Fire in Sequoia and Kings Canyon National Parks, California, USA. <i>Fire Ecology</i> , 2010, 6, 97-116.	3.0	26
31	Negligible Influence of Spatial Autocorrelation in the Assessment of Fire Effects in a Mixed Conifer Forest. <i>Fire Ecology</i> , 2009, 5, 116-125.	3.0	37
32	Widespread Increase of Tree Mortality Rates in the Western United States. <i>Science</i> , 2009, 323, 521-524.	12.6	1,465
33	A Decomposed Granite County Almanac James K. Agee . Steward's Fork: A Sustainable Future for the Klamath Mountains. University of California Press. Berkeley. 2007. 294 pages. \$39.95, hardcover.. <i>Northwest Science</i> , 2008, 82, 158-159.	0.2	0
34	SPATIAL ELEMENTS OF MORTALITY RISK IN OLD-GROWTH FORESTS. <i>Ecology</i> , 2008, 89, 1744-1756.	3.2	105
35	The relationship between tree growth patterns and likelihood of mortality: a study of two tree species in the Sierra Nevada. <i>Canadian Journal of Forest Research</i> , 2007, 37, 580-597.	1.7	87
36	Apparent climatically induced increase of tree mortality rates in a temperate forest. <i>Ecology Letters</i> , 2007, 10, 909-916.	6.4	286

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37	Forest reproduction along a climatic gradient in the Sierra Nevada, California. <i>Forest Ecology and Management</i> , 2006, 225, 391-399.	3.2	51
38	Forest turnover rates follow global and regional patterns of productivity. <i>Ecology Letters</i> , 2005, 8, 524-531.	6.4	158
39	The accuracy of matrix population model projections for coniferous trees in the Sierra Nevada, California. <i>Journal of Ecology</i> , 2005, 93, 737-747.	4.0	39
40	Does coring contribute to tree mortality?. <i>Canadian Journal of Forest Research</i> , 2004, 34, 2394-2398.	1.7	30
41	An experimental demonstration of stem damage as a predictor of fire-caused mortality for ponderosa pine. <i>Canadian Journal of Forest Research</i> , 2004, 34, 1343-1347.	1.7	30
42	EFFECTS OF AN INTRODUCED PATHOGEN AND FIRE EXCLUSION ON THE DEMOGRAPHY OF SUGAR PINE. , 2004, 14, 1590-1602.		65
43	Bark heat resistance of small trees in Californian mixed conifer forests: testing some model assumptions. <i>Forest Ecology and Management</i> , 2003, 178, 341-352.	3.2	95
44	Growth rate predicts mortality of <i>Abies concolor</i> in both burned and unburned stands. <i>Canadian Journal of Forest Research</i> , 2003, 33, 1029-1038.	1.7	71
45	Population Persistence in Florida <i>Torreya</i> : Comparing Modeled Projections of a Declining Coniferous Tree. <i>Conservation Biology</i> , 2000, 14, 1023-1033.	4.7	18
46	Bioextraction of Selenium by Forage and Selected Field Legume Species in Selenium-Laden Soils under Minimal Field Management Conditions. <i>Ecotoxicology and Environmental Safety</i> , 1996, 34, 228-238.	6.0	14
47	Regenerant wastewater irrigation and ion uptake in five turfgrass species. <i>Journal of Plant Nutrition</i> , 1996, 19, 1511-1530.	1.9	13
48	EFFECTS OF REGENERANT WASTEWATER IRRIGATION ON GROWTH AND ION UPTAKE OF LANDSCAPE PLANTS. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1996, 31, 325a-325.	1.0	0
49	Effects of Regenerant Wastewater Irrigation on Growth and Ion Uptake of Landscape Plants. <i>Journal of Environmental Horticulture</i> , 1995, 13, 92-96.	0.5	15