

Mark E Harmon

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

10,042
citations

94433

37
h-index

161849

54
g-index

61
all docs

61
docs citations

61
times ranked

9043
citing authors

#	ARTICLE	IF	CITATIONS
1	Combustion of Aboveground Wood from Live Trees in Megafires, CA, USA. <i>Forests</i> , 2022, 13, 391.	2.1	8
2	The role of woody detritus in biogeochemical cycles: past, present, and future. <i>Biogeochemistry</i> , 2021, 154, 349-369.	3.5	17
3	Mortality in Forested Ecosystems: Suggested Conceptual Advances. <i>Forests</i> , 2020, 11, 572.	2.1	9
4	Release of coarse woody detritus-related carbon: a synthesis across forest biomes. <i>Carbon Balance and Management</i> , 2020, 15, 1.	3.2	93
5	Have product substitution carbon benefits been overestimated? A sensitivity analysis of key assumptions. <i>Environmental Research Letters</i> , 2019, 14, 065008.	5.2	60
6	Meeting GHG reduction targets requires accounting for all forest sector emissions. <i>Environmental Research Letters</i> , 2019, 14, 095005.	5.2	53
7	Carbon pools and biomass stores in the forests of Coastal Alaska: Uncertainty of estimates and impact of disturbance. <i>Forest Ecology and Management</i> , 2019, 434, 303-317.	3.2	15
8	Estimating uncertainty in the volume and carbon storage of downed coarse woody debris. <i>Ecological Applications</i> , 2019, 29, e01844.	3.8	51
9	Land use strategies to mitigate climate change in carbon dense temperate forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3663-3668.	7.1	168
10	Evaluating carbon storage, timber harvest, and habitat possibilities for a Western Cascades (<sc>USA</sc>) forest landscape. <i>Ecological Applications</i> , 2016, 26, 2044-2059.	3.8	31
11	Forest Carbon Calculators: A Review for Managers, Policymakers, and Educators. <i>Journal of Forestry</i> , 2016, 114, 134-143.	1.0	7
12	Estimating heterotrophic respiration at large scales: challenges, approaches, and next steps. <i>Ecosphere</i> , 2016, 7, e01380.	2.2	35
13	Testing predictions of forest succession using long-term measurements: 100 years of observations in the <sc>Oregon</sc> <sc>Cascades</sc>. <i>Journal of Vegetation Science</i> , 2015, 26, 722-732.	2.2	29
14	Uncertainty analysis: an evaluation metric for synthesis science. <i>Ecosphere</i> , 2015, 6, 1-12.	2.2	21
15	Inter-annual variability and spatial coherence of net primary productivity across a western Oregon Cascades landscape. <i>Forest Ecology and Management</i> , 2015, 335, 60-70.	3.2	6
16	Impacts of disturbance on the terrestrial carbon budget of North America. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013, 118, 303-316.	3.0	57
17	Can fuel-reduction treatments really increase forest carbon storage in the western US by reducing future fire emissions?. <i>Frontiers in Ecology and the Environment</i> , 2012, 10, 83-90.	4.0	117
18	Carbon balance on federal forest lands of Western Oregon and Washington: The impact of the Northwest Forest Plan. <i>Forest Ecology and Management</i> , 2012, 286, 171-182.	3.2	28

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19	Carbon debt and carbon sequestration parity in forest bioenergy production. <i>GCB Bioenergy</i> , 2012, 4, 818-827.	5.6	132
20	Heterotrophic respiration in disturbed forests: A review with examples from North America. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	137
21	A synthesis of current knowledge on forests and carbon storage in the United States. , 2011, 21, 1902-1924.		354
22	Estimates of live-tree carbon stores in the Pacific Northwest are sensitive to model selection. <i>Carbon Balance and Management</i> , 2011, 6, 2.	3.2	47
23	Forest sector carbon management, measurement and verification, and discussion of policy related to climate change. <i>Carbon Management</i> , 2011, 2, 73-84.	2.4	68
24	Widespread Increase of Tree Mortality Rates in the Western United States. <i>Science</i> , 2009, 323, 521-524.	12.6	1,465
25	Effects of Partial Harvest on the Carbon Stores in Douglas-fir/Western Hemlock Forests: A Simulation Study. <i>Ecosystems</i> , 2009, 12, 777-791.	3.4	64
26	Woody Detritus its Contribution to Carbon Dynamics of Old-Growth Forests: the Temporal Context. <i>Ecological Studies</i> , 2009, , 159-190.	1.2	31
27	Estimating decomposition rate constants for European tree species from literature sources. <i>European Journal of Forest Research</i> , 2008, 127, 301-313.	2.5	71
28	Estimating annual bole biomass production using uncertainty analysis. <i>Forest Ecology and Management</i> , 2007, 253, 202-210.	3.2	5
29	Changing Temporal Patterns of Forest Carbon Stores and Net Ecosystem Carbon Balance: the Stand to Landscape Transformation. <i>Landscape Ecology</i> , 2007, 22, 77-94.	4.2	41
30	Quantifying Uncertainty in Net Primary Production Measurements. , 2007, , 238-260.		19
31	Decomposition of coarse woody debris originating by clearcutting of an old-growth conifer forest. <i>Ecoscience</i> , 2005, 12, 151-160.	1.4	73
32	Production, Respiration, and Overall Carbon Balance in an Old-growth <i>Pseudotsuga-Tsuga</i> Forest Ecosystem. <i>Ecosystems</i> , 2004, 7, 498.	3.4	134
33	Modeling multiscale effects of light limitations and edge-induced mortality on carbon stores in forest landscapes. <i>Landscape Ecology</i> , 2003, 18, 701-721.	4.2	29
34	Ecological Variability in Space and Time: Insights Gained from the US LTER Program. <i>BioScience</i> , 2003, 53, 57.	4.9	97
35	A chronosequence of wood decomposition in the boreal forests of Russia. <i>Canadian Journal of Forest Research</i> , 2003, 33, 1211-1226.	1.7	200
36	POTENTIAL UPPER BOUNDS OF CARBON STORES IN FORESTS OF THE PACIFIC NORTHWEST. , 2002, 12, 1303-1317.		209

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37	Coarse woody debris in forest regions of Russia. <i>Canadian Journal of Forest Research</i> , 2002, 32, 768-778.	1.7	62
38	Fine-root decomposition and N dynamics in coniferous forests of the Pacific Northwest, U.S.A.. <i>Canadian Journal of Forest Research</i> , 2002, 32, 320-331.	1.7	93
39	Effects of silvicultural practices on carbon stores in Douglas-fir – western hemlock forests in the Pacific Northwest, U.S.A.: results from a simulation model. <i>Canadian Journal of Forest Research</i> , 2002, 32, 863-877.	1.7	168
40	Disturbances and structural development of natural forest ecosystems with silvicultural implications, using Douglas-fir forests as an example. <i>Forest Ecology and Management</i> , 2002, 155, 399-423.	3.2	1,383
41	Diffusion and seasonal dynamics of O ₂ in woody debris from the Pacific Northwest, USA. <i>Plant and Soil</i> , 2002, 243, 67-79.	3.7	17
42	Decomposition and nitrogen release from decomposing woody roots in coniferous forests of the Pacific Northwest: a chronosequence approach. <i>Canadian Journal of Forest Research</i> , 2001, 31, 246-260.	1.7	82
43	Long-term dynamics of pine and hardwood litter in contrasting environments: toward a global model of decomposition. <i>Global Change Biology</i> , 2000, 6, 751-765.	9.5	721
44	Biomass accumulation over the first 150 years in coastal Oregon Picea-Tsuga forest. <i>Journal of Vegetation Science</i> , 2000, 11, 725-738.	2.2	15
45	Decomposition vectors: a new approach to estimating woody detritus decomposition dynamics. <i>Canadian Journal of Forest Research</i> , 2000, 30, 76-84.	1.7	178
46	Use of Large-Footprint Scanning Airborne Lidar To Estimate Forest Stand Characteristics in the Western Cascades of Oregon. <i>Remote Sensing of Environment</i> , 1999, 67, 298-308.	11.0	398
47	Plant-pest interactions in time and space: A Douglas-fir bark beetle outbreak as a case study. <i>Landscape Ecology</i> , 1999, 14, 105-120.	4.2	74
48	Modeling Historical Patterns of Tree Utilization in the Pacific Northwest: Carbon Sequestration Implications. , 1996, 6, 641-652.		39
49	Modeling carbon stores in Oregon and Washington forest products: 1900?1992. <i>Climatic Change</i> , 1996, 33, 521-550.	3.6	60
50	A Carbon Budget for Forests of the Conterminous United States. , 1995, 5, 421-436.		404
51	Decomposition and Mass of Woody Detritus in the Dry Tropical Forests of the Northeastern Yucatan Peninsula, Mexico. <i>Biotropica</i> , 1995, 27, 305.	1.6	153
52	Water balance of conifer logs in early stages of decomposition. <i>Plant and Soil</i> , 1995, 172, 141-152.	3.7	58
53	Fungal sporocarp mediated losses of Ca, Fe, K, Mg, Mn, N, P, and Zn from conifer logs in the early stages of decomposition. <i>Canadian Journal of Forest Research</i> , 1994, 24, 1883-1893.	1.7	83
54	Acetylene reduction in conifer logs during early stages of decomposition. <i>Plant and Soil</i> , 1993, 148, 53-61.	3.7	34

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55	Effects on Carbon Storage of Conversion of Old-Growth Forests to Young Forests. <i>Science</i> , 1990, 247, 699-702.	12.6	679
56	Tree Seedlings on Logs in Picea-Tsuga Forests of Oregon and Washington. <i>Ecology</i> , 1989, 70, 48-59.	3.2	319
57	Tree Death as an Ecological Process. <i>BioScience</i> , 1987, 37, 550-556.	4.9	756
58	Coarse woody debris in mixed-conifer forests, Sequoia National Park, California. <i>Canadian Journal of Forest Research</i> , 1987, 17, 1265-1272.	1.7	119
59	Decomposition of standing dead trees in the southern Appalachian Mountains. <i>Oecologia</i> , 1982, 52, 214-215.	2.0	63
60	Decomposition differences between snags and logs in forests of Kenai Peninsula, Alaska. <i>Canadian Journal of Forest Research</i> , 0, , 1-16.	1.7	1