

# Hemlock Declines Rapidly with Hemlock Woolly Adelgid Cycle of Southern Appalachian Forests

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Ecosystem Consequences of Biological Invasions. Annual Review of Ecology, Evolution, and Systematics, 2010, 41, 59-80.	3.8	867
2	Effects of the Hemlock Woolly Adelgid on Nitrogen Losses from Urban and Rural Northern Forest Ecosystems. Ecosystems, 2010, 13, 1215-1226.	1.6	36
3	Species shift drives decomposition rates following invasion by hemlock woolly adelgid. Oikos, 2010, 119, 1291-1298.	1.2	33
4	Changes in light levels and stream temperatures with loss of eastern hemlock ( <i>Tsuga canadensis</i> ) at a southern Appalachian stream: Implications for brook trout. Forest Ecology and Management, 2010, 260, 1677-1688.	1.4	32
5	Experimentally testing the role of foundation species in forests: the Harvard Forest Hemlock Removal Experiment. Methods in Ecology and Evolution, 2010, 1, 168-179.	2.2	63
6	Can structural and functional characteristics be used to identify riparian zone width in southern Appalachian headwater catchments?. Canadian Journal of Forest Research, 2010, 40, 235-253.	0.8	23
7	Early impacts of hemlock woolly adelgid in <i>Tsuga canadensis</i> forest communities of the southern Appalachian Mountains. Journal of the Torrey Botanical Society, 2011, 138, 93-106.	0.1	41
8	Disturbance and the resilience of coupled carbon and nitrogen cycling in a north temperate forest. Journal of Geophysical Research, 2011, 116, .	3.3	108
9	The contribution of the Coweeta Hydrologic Laboratory to developing an understanding of long-term (1934-2008) changes in managed and unmanaged forests. Forest Ecology and Management, 2011, 261, 900-910.	1.4	73
10	Alien invasions: the effects of introduced species on forest structure and function. , 0, , 115-162.		25
11	Hemlock Infestation and Mortality: Impacts on Nutrient Pools and Cycling in Appalachian Forests. Soil Science Society of America Journal, 2011, 75, 1935-1945.	1.2	34
12	Long-term temperature and precipitation trends at the Coweeta Hydrologic Laboratory, Otto, North Carolina, USA. Hydrology Research, 2012, 43, 890-901.	1.1	115
13	Decline in riparian <i>Tsuga canadensis</i> forests of the central Appalachians across an <i>Adelges tsugae</i> invasion chronosequence. Journal of the Torrey Botanical Society, 2012, 139, 367-378.	0.1	9
14	Understory Composition of Five <i>Tsuga canadensis</i> Associated Forest Communities in Great Smoky Mountains National Park. Natural Areas Journal, 2012, 32, 260-269.	0.2	5
15	Effects of Hemlock Mortality on Streams in the Southern Appalachian Mountains. American Midland Naturalist, 2012, 168, 112-131.	0.2	42
16	Impacts of Hemlock Loss on Nitrogen Retention Vary with Soil Nitrogen Availability in the Southern Appalachian Mountains. Ecosystems, 2012, 15, 1108-1120.	1.6	12
17	A foundation tree at the precipice: <i>Tsuga canadensis</i> health after the arrival of <i>Adelges tsugae</i> in central New England. Ecosphere, 2012, 3, art10.	1.0	70
18	Managing Carbon Sequestration and Storage in Temperate and Boreal Forests. , 2012, , 205-226.		9

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19	Widespread inbreeding and unexpected geographic patterns of genetic variation in eastern hemlock ( <i>Tsuga canadensis</i> ), an imperiled North American conifer. <i>Conservation Genetics</i> , 2012, 13, 475-498.	0.8	32
20	Effects of biotic disturbances on forest carbon cycling in the United States and Canada. <i>Global Change Biology</i> , 2012, 18, 7-34.	4.2	418
21	Forest dynamics following eastern hemlock mortality in the southern Appalachians. <i>Oikos</i> , 2012, 121, 523-536.	1.2	108
22	Loss of a foundation forest species due to an exotic invader impacts terrestrial arthropod communities. <i>Forest Ecology and Management</i> , 2013, 295, 126-135.	1.4	35
23	Hemlock woolly adelgid in the southern Appalachians: Control strategies, ecological impacts, and potential management responses. <i>Forest Ecology and Management</i> , 2013, 291, 209-219.	1.4	78
24	Patterns and predictors of survival in <i>Tsuga canadensis</i> populations infested by the exotic pest <i>Adelges tsugae</i> : 20 years of monitoring. <i>Forest Ecology and Management</i> , 2013, 305, 195-203.	1.4	37
25	The foundation species influence of eastern hemlock ( <i>Tsuga canadensis</i> ) on biodiversity and ecosystem function on the Unglaciated Allegheny Plateau. <i>Forest Ecology and Management</i> , 2013, 289, 143-152.	1.4	22
26	Indirect effects of an invasive exotic species on a long-distance migratory songbird. <i>Biological Invasions</i> , 2013, 15, 1947-1959.	1.2	6
27	Interactive effects of disturbance and nitrogen availability on phosphorus dynamics of southern Appalachian forests. <i>Biogeochemistry</i> , 2013, 112, 329-342.	1.7	18
28	Factors Affecting Establishment and Recovery of <i>Sasajiscymnus tsugae</i> (Coleoptera: Tj ETQq1 1 0.784314 rgBT / Overlock 107) Hemlock (Pinales: Pinaceae). <i>Environmental Entomology</i> , 2013, 42, 1272-1280.	0.7	9
29	Hemlock woolly adelgid ( <i>Adelges tsugae</i> ) infestation affects water and carbon relations of eastern hemlock ( <i>Tsuga canadensis</i> ) and Carolina hemlock ( <i>Tsuga caroliniana</i> ). <i>New Phytologist</i> , 2013, 199, 452-463.	3.5	58
30	Effects of introduced insects and diseases on forest ecosystems in the Catskill Mountains of New York. <i>Annals of the New York Academy of Sciences</i> , 2013, 1298, 66-77.	1.8	14
31	Hemlock Legacy Project (HeLP). <i>Progress in Physical Geography</i> , 2013, 37, 114-129.	1.4	7
32	Future species composition will affect forest water use after loss of eastern hemlock from southern Appalachian forests. <i>Ecological Applications</i> , 2013, 23, 777-790.	1.8	65
33	Ecosystem Function in Appalachian Headwater Streams during an Active Invasion by the Hemlock Woolly Adelgid. <i>PLoS ONE</i> , 2013, 8, e61171.	1.1	7
34	Experiments Are Revealing a Foundation Species: A Case Study of Eastern Hemlock ( <i>Tsuga</i> ) Tj ETQq1 1 0.784314 rgBT / Overlock 107	0.5	18
35	Canopy Vegetation Influences Ant (Hymenoptera: Formicidae) Communities in Headwater Stream Riparian Zones of Central Appalachia. <i>Journal of Insect Science</i> , 2014, 14, .	0.6	3
37	Post-clearcut dynamics of carbon, water and energy exchanges in a midlatitude temperate, deciduous broadleaf forest environment. <i>Global Change Biology</i> , 2014, 20, 992-1007.	4.2	42

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39	Building a foundation: Land-use history and dendrochronology reveal temporal dynamics of a <i>Tsuga canadensis</i> (Pinaceae) forest. <i>Rhodora</i> , 2014, 116, 377-427.	0.0	17
40	Failure under stress: the effect of the exotic herbivore <i>Adelges tsugae</i> on biomechanics of <i>Tsuga canadensis</i> . <i>Annals of Botany</i> , 2014, 113, 721-730.	1.4	13
41	Rapid rebound of soil respiration following partial stand disturbance by tree girdling in a temperate deciduous forest. <i>Oecologia</i> , 2014, 174, 1415-1424.	0.9	19
42	Effect of an exotic herbivore, <i>Adelges tsugae</i> , on photosynthesis of a highly susceptible <i>Tsuga</i> host, with notes on conspecifics. <i>Arthropod-Plant Interactions</i> , 2014, 8, 9-15.	0.5	17
43	Drought changes the structure and elemental composition of very fine roots in seedlings of ten woody tree species. Implications for a drier climate. <i>Plant and Soil</i> , 2014, 384, 113-129.	1.8	74
44	Radial growth changes following hemlock woolly adelgid infestation of eastern hemlock. <i>Annals of Forest Science</i> , 2014, 71, 595-602.	0.8	4
45	Contrasting effects of two exotic invasive hemipterans on whole-plant resource allocation in a declining conifer. <i>Entomologia Experimentalis Et Applicata</i> , 2015, 157, 86-97.	0.7	10
46	Temporal Variability in Climate Response of Eastern Hemlock in the Central Appalachian Region. <i>Southeastern Geographer</i> , 2015, 55, 143-163.	0.1	18
47	Benthic Collector and Grazer Communities Are Threatened by Hemlock Woolly Adelgid-Induced Eastern Hemlock Loss. <i>Forests</i> , 2015, 6, 2719-2738.	0.9	8
48	Influence of Hemlock Woolly Adelgid Infestation Levels on Water Stress in Eastern Hemlocks within the Great Smoky Mountains National Park, U.S.A.. <i>Forests</i> , 2015, 6, 271-279.	0.9	5
49	Functional Role of the Herbaceous Layer in Eastern Deciduous Forest Ecosystems. <i>Ecosystems</i> , 2015, 18, 221-236.	1.6	43
50	A terrestrial invader threatens a benthic community: potential effects of hemlock woolly adelgid-induced loss of eastern hemlock on invertebrate shredders in headwater streams. <i>Biological Invasions</i> , 2015, 17, 1163-1179.	1.2	11
51	A Presence-Only Model of Suitable Roosting Habitat for the Endangered Indiana Bat in the Southern Appalachians. <i>PLoS ONE</i> , 2016, 11, e0154464.	1.1	21
52	<i>Quercus suber</i> dieback alters soil respiration and nutrient availability in Mediterranean forests. <i>Journal of Ecology</i> , 2016, 104, 1441-1452.	1.9	49
53	Cold air drainage flows subsidize montane valley ecosystem productivity. <i>Global Change Biology</i> , 2016, 22, 4014-4027.	4.2	24
54	Multiyear drought-induced morbidity preceding tree death in southeastern U.S. forests. <i>Ecological Applications</i> , 2016, 26, 17-23.	1.8	112
55	Nonnative forest insects and pathogens in the United States: Impacts and policy options. <i>Ecological Applications</i> , 2016, 26, 1437-1455.	1.8	289
56	Hemlock Woolly Adelgid (Hemiptera: Adelgidae) Abundance and Hemlock Canopy Health Numerous Years After Imidacloprid Basal Drench Treatments: Implications for Management Programs. <i>Journal of Economic Entomology</i> , 2016, 109, 2125-2136.	0.8	13

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57	Hemlock Woolly Adelgid ( <i>Adelges tsugae</i> ) and Hemlock ( <i>Tsugasp.</i> ) in Western North Carolina: What do the Forest Inventory and Analysis Data Tell Us?. <i>Southeastern Naturalist</i> , 2016, 15, 631-645.	0.2	1
58	Influences of <i>Tsuga canadensis</i> (L.) Carriere (Eastern Hemlock) Riparian Habitat on a Lotic Benthic Community. <i>Northeastern Naturalist</i> , 2016, 23, 555-570.	0.1	0
59	Altered edaphic parameters couple to shifts in terrestrial bacterial community structure associated with insect-induced tree mortality. <i>Soil Biology and Biochemistry</i> , 2016, 95, 19-29.	4.2	25
60	Disturbance Decouples Biogeochemical Cycles Across Forests of the Southeastern US. <i>Ecosystems</i> , 2016, 19, 50-61.	1.6	31
61	Indiana bats roost in ephemeral, fire-dependent pine snags in the southern Appalachian Mountains, USA. <i>Forest Ecology and Management</i> , 2017, 391, 264-274.	1.4	30
62	Modeling the impacts of hemlock woolly adelgid infestation and presalvage harvesting on carbon stocks in northern hemlock forests. <i>Canadian Journal of Forest Research</i> , 2017, 47, 727-734.	0.8	9
63	Individual and non-additive effects of exotic sap-feeders on root functional and mycorrhizal traits of a shared conifer host. <i>Functional Ecology</i> , 2017, 31, 2024-2033.	1.7	4
64	Vegetation responses to simulated emerald ash borer infestation in <i>Fraxinus nigra</i> dominated wetlands of Upper Michigan, USA. <i>Canadian Journal of Forest Research</i> , 2017, 47, 319-330.	0.8	28
65	Baseline Capture Rates and Roosting Habits of <i>Myotis septentrionalis</i> (Northern Long-Eared) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 2017, 16, 140-148.	0.2	11
66	The big chill: quantifying the effect of the 2014 North American cold wave on hemlock woolly adelgid populations in the central Appalachian Mountains. <i>Population Ecology</i> , 2017, 59, 251-258.	0.7	21
67	Implications of early production in an invasive forest pest. <i>Agricultural and Forest Entomology</i> , 2017, 19, 217-224.	0.7	7
68	A Little Bug with a Big Bite: Impact of Hemlock Woolly Adelgid Infestations on Forest Ecosystems in the Eastern USA and Potential Control Strategies. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 438.	1.2	9
69	Warmer temperatures reduce net carbon uptake, but do not affect water use, in a mature southern Appalachian forest. <i>Agricultural and Forest Meteorology</i> , 2018, 252, 269-282.	1.9	48
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72	Tree Stress and Mortality from Emerald Ash Borer Does Not Systematically Alter Short-Term Soil Carbon Flux in a Mixed Northeastern U.S. Forest. <i>Forests</i> , 2018, 9, 37.	0.9	6
73	Herbaceous-layer diversity and tree seedling recruitment are enhanced following <i>Rhododendron</i> maximum shrub removal. <i>Forest Ecology and Management</i> , 2018, 430, 403-412.	1.4	11
74	Soil microbial response to <i>Rhododendron</i> understory removal in southern Appalachian forests: Effects on extracellular enzymes. <i>Soil Biology and Biochemistry</i> , 2018, 127, 50-59.	4.2	29

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75	Leaf Damage by Phytophagous Beetles alters <i>Terminalia catappa</i> Green and Senesced Leaf Chemistry. <i>International Journal of Insect Science</i> , 2018, 10, 117954331879732.	1.7	0
76	Response of Black Ash Wetland Gaseous Soil Carbon Fluxes to a Simulated Emerald Ash Borer Infestation. <i>Forests</i> , 2018, 9, 324.	0.9	9
77	Impact of hemlock woolly adelgid ( <i>Adelges tsugae</i> ) infestation on xylem structure and function and leaf physiology in eastern hemlock ( <i>Tsuga canadensis</i> ). <i>Functional Plant Biology</i> , 2018, 45, 501.	1.1	9
78	Tree Mortality From Insect Infestation Enhances Carbon Stabilization in Southern Appalachian Forest Soils. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2018, 123, 2121-2134.	1.3	14
79	Interacting Effects of Global Change on Forest Pest and Pathogen Dynamics. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2019, 50, 381-403.	3.8	50
80	Nitrogen cycling responses to simulated emerald ash borer infestation in <i>Fraxinus nigra</i> -dominated wetlands. <i>Biogeochemistry</i> , 2019, 145, 275-294.	1.7	5
81	Biomass losses resulting from insect and disease invasions in US forests. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 17371-17376.	3.3	105
82	Hemlock Woolly Adelgid (Hemiptera: Adelgidae) Management in Forest, Landscape, and Nursery Production. <i>Journal of Insect Science</i> , 2019, 19, .	0.6	3
83	Lack of forest tree seedling recruitment and enhanced tree and shrub growth characterizes post- <i>Tsuga canadensis</i> mortality forests in the southern Appalachians. <i>Forest Ecology and Management</i> , 2019, 440, 122-130.	1.4	15
84	Seasonal Assessment of Supercooling Points for Two Introduced and One Native <i>Laricobius</i> spp. (Coleoptera: Derodontidae), Predators of Adelgidae. <i>Insects</i> , 2019, 10, 426.	1.0	3
85	Assessment of Disturbances across Forest Inventory Plots in the Southeastern United States for the Period 1995–2018. <i>Forest Science</i> , 2020, 66, 242-255.	0.5	10
86	Impact of fire and harvest on forest ecosystem services in a species-rich area in the southern Appalachians. <i>Ecosphere</i> , 2020, 11, e03150.	1.0	4
87	An invasive insect, hemlock woolly adelgid, indirectly impacts Louisiana Waterthrush nest site selection and nest survival in the southern Appalachians. <i>Condor</i> , 2020, 122, .	0.7	1
88	Stem CO <sub>2</sub> efflux of <i>Cycas micronesica</i> is reduced by chronic non-native insect herbivory. <i>Plant Signaling and Behavior</i> , 2020, 15, 1716160.	1.2	9
89	Physiological responses of eastern hemlock ( <i>Tsuga canadensis</i> ) to light, adelgid infestation, and biological control: Implications for hemlock restoration. <i>Forest Ecology and Management</i> , 2020, 460, 117903.	1.4	10
90	Towards broad-scale temperature reconstructions for Eastern North America using blue light intensity from tree rings. <i>International Journal of Climatology</i> , 2021, 41, E3142.	1.5	11
91	Eastern white pine and eastern hemlock growth: possible tradeoffs in response of canopy trees to climate. <i>Canadian Journal of Forest Research</i> , 2021, 51, 1926-1938.	0.8	4
92	Impacts of Invasive Species on Forest and Grassland Ecosystem Processes in the United States. , 2021, , 41-55.		3

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93	Effects of Climate Change on Invasive Species. , 2021, , 57-83.		36
94	Development of monitoring methods for Hemlock Woolly Adelgid induced tree mortality within a Southern Appalachian landscape with inhibited access. IForest, 2016, 9, 178-186.	0.5	6
95	Factors affecting Velcro-covered balls when used as a sampling device for wool of <i>Adelges tsugae</i> (Hemiptera: Adelgidae). Canadian Entomologist, 2019, 151, 101-114.	0.4	4
96	Evaluating Southern Appalachian Forest Dynamics without Eastern Hemlock: Consequences of Herbivory by the Hemlock Woolly Adelgid. Open Journal of Forestry, 2014, 04, 91-99.	0.1	6
97	Spatial Distribution of Hemlock Woolly Adelgid Induced Hemlock Mortality in the Southern Appalachians. Open Journal of Forestry, 2014, 04, 492-506.	0.1	8
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100	Treatment Strategies Using Imidacloprid in Hemlock Woolly Adelgid ( <i>Adelges tsugae</i> Annand) Infested Eastern Hemlock ( <i>Tsuga canadensis</i> Carrière) Trees. Arboriculture and Urban Forestry, 2012, 38, 41-49.	0.2	12
101	Throughfall Deposition Chemistry in the Great Smoky Mountains National Park: Landscape and Seasonal Effects. Water, Air, and Soil Pollution, 2022, 233, 1.	1.1	3
102	Larger hardwood trees benefit from removing <i>Rhododendron maximum</i> following <i>Tsuga canadensis</i> mortality. Forest Ecology and Management, 2022, 516, 120234.	1.4	0