

# Evan Siemann

## List of Publications by Year in descending order

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85  
papers

7,989  
citations

101384

36  
h-index

58464

82  
g-index

85  
all docs

85  
docs citations

85  
times ranked

8095  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Influence of Functional Diversity and Composition on Ecosystem Processes. <i>Science</i> , 1997, 277, 1300-1302.	6.0	2,414
2	Phenotypic and genetic differentiation between native and introduced plant populations. <i>Oecologia</i> , 2005, 144, 1-11.	0.9	875
3	Experimental Tests of the Dependence of Arthropod Diversity on Plant Diversity. <i>American Naturalist</i> , 1998, 152, 738-750.	1.0	499
4	EXPERIMENTAL TESTS OF EFFECTS OF PLANT PRODUCTIVITY AND DIVERSITY ON GRASSLAND ARTHROPOD DIVERSITY. <i>Ecology</i> , 1998, 79, 2057-2070.	1.5	402
5	Genetic differences in growth of an invasive tree species. <i>Ecology Letters</i> , 2001, 4, 514-518.	3.0	279
6	Insect species diversity, abundance and body size relationships. <i>Nature</i> , 1996, 380, 704-706.	13.7	201
7	Changes in light and nitrogen availability under pioneer trees may indirectly facilitate tree invasions of grasslands. <i>Journal of Ecology</i> , 2003, 91, 923-931.	1.9	135
8	HERBIVORY, DISEASE, RECRUITMENT LIMITATION, AND SUCCESS OF ALIEN AND NATIVE TREE SPECIES. <i>Ecology</i> , 2003, 84, 1489-1505.	1.5	125
9	Resource allocation to defence and growth are driven by different responses to generalist and specialist herbivory in an invasive plant. <i>Journal of Ecology</i> , 2010, 98, 1157-1167.	1.9	123
10	Reduced resistance of invasive varieties of the alien tree <i>Sapium sebiferum</i> to a generalist herbivore. <i>Oecologia</i> , 2003, 135, 451-457.	0.9	121
11	An experimental test of the effect of plant functional group diversity on arthropod diversity. <i>Oikos</i> , 2000, 89, 243-253.	1.2	115
12	Biodiversity and Ecosystem Properties. <i>Science</i> , 1997, 278, 1865c-1869.	6.0	104
13	Negative plant-soil feedbacks may limit persistence of an invasive tree due to rapid accumulation of soil pathogens. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 2621-2627.	1.2	101
14	Increased competitive ability and herbivory tolerance in the invasive plant <i>Sapium sebiferum</i> . <i>Biological Invasions</i> , 2008, 10, 291-302.	1.2	95
15	Rapid adaptation of insect herbivores to an invasive plant. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 2763-2769.	1.2	93
16	Increasing flavonoid concentrations in root exudates enhance associations between arbuscular mycorrhizal fungi and an invasive plant. <i>ISME Journal</i> , 2021, 15, 1919-1930.	4.4	92
17	Dynamics of plant and arthropod diversity during old field succession. <i>Ecography</i> , 1999, 22, 406-414.	2.1	88
18	INCREASED COMPETITIVE ABILITY OF AN INVASIVE TREE MAY BE LIMITED BY AN INVASIVE BEETLE. , 2003, 13, 1503-1507.		87

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19	Experimental test of the impacts of feral hogs on forest dynamics and processes in the southeastern US. <i>Forest Ecology and Management</i> , 2009, 258, 546-553.	1.4	84
20	Abundance, diversity and body size: patterns from a grassland arthropod community. <i>Journal of Animal Ecology</i> , 1999, 68, 824-835.	1.3	83
21	Genetic variation in anti-herbivore chemical defences in an invasive plant. <i>Journal of Ecology</i> , 2012, 100, 894-904.	1.9	81
22	Invasive ecotypes tolerate herbivory more effectively than native ecotypes of the Chinese tallow tree <i>Sapium sebiferum</i> . <i>Journal of Applied Ecology</i> , 2004, 41, 561-570.	1.9	80
23	Short-term and Long-term Effects of Burning on Oak Savanna Arthropods. <i>American Midland Naturalist</i> , 1997, 137, 349.	0.2	74
24	Plant-soil biota interactions of an invasive species in its native and introduced ranges: Implications for invasion success. <i>Soil Biology and Biochemistry</i> , 2013, 65, 78-85.	4.2	73
25	Constraints on the utilisation of the invasive Chinese tallow tree <i>Sapium sebiferum</i> by generalist native herbivores in coastal prairies. <i>Ecological Entomology</i> , 2004, 29, 66-75.	1.1	69
26	Effects of simulated herbivory and resource availability on native and invasive exotic tree seedlings. <i>Basic and Applied Ecology</i> , 2002, 3, 297-307.	1.2	66
27	Decreased resistance and increased tolerance to native herbivores of the invasive plant <i>Sapium sebiferum</i> . <i>Ecography</i> , 2008, 31, 663-671.	2.1	61
28	Lower resistance and higher tolerance of invasive host plants: biocontrol agents reach high densities but exert weak control. , 2011, 21, 729-738.		58
29	Species-specific defence responses facilitate conspecifics and inhibit heterospecifics in above-ground herbivore interactions. <i>Nature Communications</i> , 2014, 5, 4851.	5.8	57
30	Geographic distribution of genetic variation among native and introduced populations of Chinese tallow tree, <i>Triadica sebifera</i> (Euphorbiaceae). <i>American Journal of Botany</i> , 2011, 98, 1128-1138.	0.8	56
31	Herbivory Tolerance and Compensatory Differences in Native and Invasive Ecotypes of Chinese Tallow Tree ( <i>Sapium sebiferum</i> ). <i>Plant Ecology</i> , 2005, 181, 57-68.	0.7	55
32	The effect of Chinese tallow tree ( <i>Sapium sebiferum</i> ) ecotype on soil-plant system carbon and nitrogen processes. <i>Oecologia</i> , 2006, 150, 272-281.	0.9	49
33	The effects of soil biota and fertilization on the success of <i>Sapium sebiferum</i> . <i>Applied Soil Ecology</i> , 2008, 38, 1-11.	2.1	47
34	Comparisons of arthropod assemblages on an invasive and native trees: abundance, diversity and damage. <i>Arthropod-Plant Interactions</i> , 2010, 4, 237-245.	0.5	47
35	Decomposition of <i>Phragmites australis</i> litter retarded by invasive <i>Solidago canadensis</i> in mixtures: an antagonistic non-additive effect. <i>Scientific Reports</i> , 2014, 4, 5488.	1.6	43
36	Mechanisms of Chinese tallow ( <i>Triadica sebifera</i> ) invasion and their management implications – A review. <i>Forest Ecology and Management</i> , 2017, 404, 1-13.	1.4	43

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37	Plasticity of <i>Sapium sebiferum</i> seedling growth to light and water resources: Inter- and intraspecific comparisons. <i>Basic and Applied Ecology</i> , 2009, 10, 79-88.	1.2	42
38	GAPS IN MAMMALIAN BODY SIZE DISTRIBUTIONS REEXAMINED. <i>Ecology</i> , 1999, 80, 2788-2792.	1.5	41
39	Invader partitions ecological and evolutionary responses to above- and belowground herbivory. <i>Ecology</i> , 2012, 93, 2343-2352.	1.5	37
40	Facilitation and inhibition: changes in plant nitrogen and secondary metabolites mediate interactions between above-ground and below-ground herbivores. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131318.	1.2	37
41	Effects of simulated herbivory and resources on Chinese tallow tree ( <i>Sapium sebiferum</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 0.8 36	0.8	36
42	Responses of Prairie Arthropod Communities to Fire and Fertilizer: Balancing Plant and Arthropod Conservation. <i>American Midland Naturalist</i> , 2007, 157, 92-105.	0.2	36
43	Interactive effects of herbivory and competition intensity determine invasive plant performance. <i>Oecologia</i> , 2012, 170, 373-382.	0.9	35
44	Non-Native Plant Litter Enhances Soil Carbon Dioxide Emissions in an Invaded Annual Grassland. <i>PLoS ONE</i> , 2014, 9, e92301.	1.1	35
45	Damage Induced Production of Extrafloral Nectaries in Native and Invasive Seedlings of Chinese Tallow Tree ( <i>Sapium sebiferum</i> ). <i>American Midland Naturalist</i> , 2003, 149, 413-417.	0.2	29
46	The role of soil resources in an exotic tree invasion in Texas coastal prairie. <i>Journal of Ecology</i> , 2007, 95, 689-697.	1.9	28
47	Evolutionary dynamics of tree invasions: complementing the unified framework for biological invasions. <i>AoB PLANTS</i> , 2016, , plw085.	1.2	25
48	Interactive effects of elevated CO <sub>2</sub> and nitrogen deposition accelerate litter decomposition cycles of invasive tree ( <i>Triadica sebifera</i> ). <i>Forest Ecology and Management</i> , 2017, 385, 189-197.	1.4	25
49	Conspecific Plasticity and Invasion: Invasive Populations of Chinese Tallow ( <i>Triadica sebifera</i> ) Have Performance Advantage over Native Populations Only in Low Soil Salinity. <i>PLoS ONE</i> , 2013, 8, e74961.	1.1	25
50	Positive and negative biotic interactions and invasive <i>Triadica sebifera</i> tolerance to salinity: a cross-continent comparative study. <i>Oikos</i> , 2015, 124, 216-224.	1.2	24
51	Perennial forb invasions alter greenhouse gas balance between ecosystem and atmosphere in an annual grassland in China. <i>Science of the Total Environment</i> , 2018, 642, 781-788.	3.9	23
52	Recruitment Limitation, Seedling Performance and Persistence of Exotic Tree Monocultures. <i>Biological Invasions</i> , 2006, 8, 979-991.	1.2	22
53	Factors affecting hatching success of golden apple snail eggs: Effects of water immersion and cannibalism. <i>Wetlands</i> , 2008, 28, 544-549.	0.7	22
54	Induction of extrafloral nectar depends on herbivore type in invasive and native Chinese tallow seedlings. <i>Basic and Applied Ecology</i> , 2012, 13, 449-457.	1.2	22

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55	Specificity of extrafloral nectar induction by herbivores differs among native and invasive populations of tallow tree. <i>Annals of Botany</i> , 2013, 112, 751-756.	1.4	21
56	Effects of nutrient loading and extreme rainfall events on coastal tallgrass prairies: invasion intensity, vegetation responses, and carbon and nitrogen distribution. <i>Global Change Biology</i> , 2007, 13, 2184-2192.	4.2	20
57	The effects of fertilization on plant-soil interactions and salinity tolerance of invasive <i>Triadica sebifera</i> . <i>Plant and Soil</i> , 2015, 394, 99-107.	1.8	20
58	Loss of specificity: native but not invasive populations of <i>Triadica sebifera</i> vary in tolerance to different herbivores. <i>Oecologia</i> , 2014, 174, 863-871.	0.9	19
59	Mycorrhizal associations of an invasive tree are enhanced by both genetic and environmental mechanisms. <i>Ecography</i> , 2015, 38, 1112-1118.	2.1	19
60	Experimental test of the Invasional Meltdown Hypothesis: an exotic herbivore facilitates an exotic plant, but the plant does not reciprocally facilitate the herbivore. <i>Freshwater Biology</i> , 2015, 60, 1475-1482.	1.2	18
61	Chemical responses of an invasive plant to herbivory and abiotic environments reveal a novel invasion mechanism. <i>Science of the Total Environment</i> , 2020, 741, 140452.	3.9	18
62	Environmental Variability and Ontogenetic Niche Shifts in Exotic Plants May Govern Reinvasion Pressure in Restorations of Invaded Ecosystems. <i>Restoration Ecology</i> , 2012, 20, 545-550.	1.4	17
63	Plant genotypes affect aboveground and belowground herbivore interactions by changing chemical defense. <i>Oecologia</i> , 2016, 182, 1107-1115.	0.9	17
64	Decreased indirect defense in the invasive tree, <i>Triadica sebifera</i> . <i>Plant Ecology</i> , 2012, 213, 945-954.	0.7	16
65	Male-biased sex ratio increases female egg laying and fitness in the housefly, <i>Musca domestica</i> . <i>Journal of Ethology</i> , 2012, 30, 247-254.	0.4	16
66	Chinese Tallow Trees ( <i>Triadica sebifera</i> ) from the Invasive Range Outperform Those from the Native Range with an Active Soil Community or Phosphorus Fertilization. <i>PLoS ONE</i> , 2013, 8, e74233.	1.1	16
67	Below-ground herbivory limits induction of extrafloral nectar by above-ground herbivores. <i>Annals of Botany</i> , 2015, 115, 841-846.	1.4	15
68	Differences in cold hardiness between introduced populations of an invasive tree. <i>Biological Invasions</i> , 2012, 14, 2029-2038.	1.2	14
69	Rapid ontogenetic niche expansions in invasive Chinese tallow tree permit establishment in unfavourable but variable environments and can be exploited to streamline restoration. <i>Journal of Applied Ecology</i> , 2013, 50, 748-756.	1.9	13
70	Differences in seed properties and germination between native and introduced populations of <i>Triadica sebifera</i> . <i>Journal of Plant Ecology</i> , 2020, 13, 70-77.	1.2	13
71	Restoring an Invaded Prairie by Mulching Live <i>Sapium sebiferum</i> (Chinese Tallow Trees): Effects of Mulch on <i>Sapium</i> Seed Germination. <i>Natural Areas Journal</i> , 2006, 26, 244-253.	0.2	12
72	Timing of Favorable Conditions, Competition and Fertility Interact to Govern Recruitment of Invasive Chinese Tallow Tree in Stressful Environments. <i>PLoS ONE</i> , 2013, 8, e71446.	1.1	9

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73	Invasive <i>Spartina alterniflora</i> exhibits increased resistance but decreased tolerance to a generalist insect in China. <i>Journal of Pest Science</i> , 2019, 92, 823-833.	1.9	9
74	An experimental test of the EICA Hypothesis in multiple ranges: invasive populations outperform those from the native range independent of insect herbivore suppression. <i>AoB PLANTS</i> , 2016, , plw087.	1.2	8
75	Invasive plant population and herbivore identity affect latex induction. <i>Ecological Entomology</i> , 2014, 39, 1-9.	1.1	7
76	Nutrient enrichment increases plant biomass and exotic plant proportional cover independent of warming in freshwater wetland communities. <i>Plant Ecology</i> , 2017, 218, 835-842.	0.7	7
77	Effects of above- and belowground herbivory of specialists and generalists on the growth and defensive chemicals of introduced and native Chinese tallow seedlings. <i>Plant and Soil</i> , 2020, 455, 65-78.	1.8	7
78	Effects of soil biota on growth, resistance and tolerance to herbivory in <i>Triadica sebifera</i> plants. <i>Geoderma</i> , 2021, 402, 115191.	2.3	7
79	Species-specific plant-mediated effects between herbivores converge at high damage intensity. <i>Ecology</i> , 2022, 103, e3647.	1.5	7
80	Repeated damage by specialist insects suppresses the growth of a high tolerance invasive tree. <i>BioControl</i> , 2016, 61, 793-801.	0.9	6
81	Eco-evolutionary Dynamics of Above- and Belowground Herbivores and Invasive Plants. <i>Ecological Studies</i> , 2018, , 271-291.	0.4	5
82	Biogeographic variation of distance-dependent effects in an invasive tree species. <i>Functional Ecology</i> , 2019, 33, 1135-1143.	1.7	5
83	The effects of light availability on plant-soil interactions and salinity tolerance of invasive tree species, <i>Triadica sebifera</i> . <i>Forest Ecology and Management</i> , 2022, 506, 119964.	1.4	4
84	GAPS IN MAMMALIAN BODY SIZE DISTRIBUTIONS REEXAMINED. , 1999, 80, 2788.		3
85	UV-B has larger negative impacts on invasive populations of <i>Triadica sebifera</i> but ozone impacts do not vary. <i>Journal of Plant Ecology</i> , 2015, , rtv045.	1.2	2