Alejandro A Royo

List of Publications by Year
in descending order

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49 papers	2,303 citations	257450 24 h-index	223800 46 g-index
55 all docs	55 docs citations	55 times ranked	2043 citing authors

#	Article	IF	Citations
1	On the formation of dense understory layers in forests worldwide: consequences and implications for forest dynamics, biodiversity, and succession. Canadian Journal of Forest Research, 2006, 36, 1345-1362.	1.7	477
2	Pervasive interactions between ungulate browsers and disturbance regimes promote temperate forest herbaceous diversity. Ecology, 2010, 91, 93-105.	3.2	148
3	Longâ€term biological legacies of herbivore density in a landscapeâ€scale experiment: forest understoreys reflect past deer density treatments for at least 20Âyears. Journal of Ecology, 2014, 102, 221-228.	4.0	138
4	Historic disturbance regimes promote tree diversity only under low browsing regimes in eastern deciduous forest. Ecological Monographs, 2013, 83, 3-17.	5.4	123
5	Challenges facing gap-based silviculture and possible solutions for mesic northern forests in North America. Forestry, 2017, 90, 4-17.	2.3	119
6	Restoring forest herb communities through landscape-level deer herd reductions: Is recovery limited by legacy effects?. Biological Conservation, 2010, 143, 2425-2434.	4.1	112
7	Soil feedback and pathogen activity in Prunus serotina throughout its native range. Journal of Ecology, 2005, 93, 890-898.	4.0	103
8	Evaluating the ecological impacts of salvage logging: can natural and anthropogenic disturbances promote coexistence?. Ecology, 2016, 97, 1566-1582.	3.2	80
9	Chronic over browsing and biodiversity collapse in a forest understory in Pennsylvania: Results from a 60 year-old deer exclusion plot. Journal of the Torrey Botanical Society, 2011, 138, 220-224.	0.3	74
10	Salvage logging effects on regulating and supporting ecosystem services â€" a systematic map. Canadian Journal of Forest Research, 2018, 48, 983-1000.	1.7	74
11	Direct and indirect effects of a dense understory on tree seedling recruitment in temperate forests: habitat-mediated predation versus competition. Canadian Journal of Forest Research, 2008, 38, 1634-1645.	1.7	65
12	Over-browsing in Pennsylvania creates a depauperate forest dominated by an understory tree: Results from a 60-year-old deer exclosure. Journal of the Torrey Botanical Society, 2011, 138, 322-326.	0.3	54
13	Evaluating relationships among tree growth rate, shade tolerance, and browse tolerance following disturbance in an eastern deciduous forest. Canadian Journal of Forest Research, 2009, 39, 2460-2469.	1.7	51
14	The legacy of deer overabundance: long-term delays in herbaceous understory recovery. Canadian Journal of Forest Research, 2016, 46, 362-369.	1.7	46
15	Non-arborescent vegetation trajectories following repeated hurricane disturbance: ephemeral versus enduring responses. Ecosphere, 2011, 2, art77.	2.2	44
16	A regional assessment of white-tailed deer effects on plant invasion. AoB PLANTS, 2018, 10, plx047.	2.3	42
17	Stochastic and deterministic processes regulate spatioâ€temporal variation in seed bank diversity. Journal of Vegetation Science, 2013, 24, 724-734.	2.2	38
18	Unearthing the hidden world of roots: Root biomass and architecture differ among species within the same guild. PLoS ONE, 2017, 12, e0185934.	2.5	37

#	Article	IF	Citations
19	Assessing the single-tree and small group selection cutting system as intermediate disturbance to promote regeneration and diversity in temperate mixedwood stands. Forest Ecology and Management, 2018, 430, 21-32.	3.2	34
20	Spatio-temporal variation in foodscapes modifies deer browsing impact on vegetation. Landscape Ecology, 2017, 32, 2281-2295.	4.2	32
21	The herb community of a tropical forest in central PanamÃ¡: dynamics and impact of mammalian herbivores. Oecologia, 2005, 145, 66-75.	2.0	31
22	Canopy gaps decrease microbial densities and disease risk for a shade-intolerant tree species. Acta Oecologica, 2010, 36, 530-536.	1.1	31
23	Deer Browsing Creates Rock Refugia Gardens on Large Boulders in the Allegheny National Forest, Pennsylvania. American Midland Naturalist, 2005, 154, 201-206.	0.4	27
24	Simulating ungulate herbivory across forest landscapes: A browsing extension for LANDIS-II. Ecological Modelling, 2017, 350, 11-29.	2.5	26
25	The longâ€term impacts of deer herbivory in determining temperate forest stand and canopy structural complexity. Journal of Applied Ecology, 2022, 59, 812-821.	4.0	23
26	Optimizing Conservation Strategies for a Threatened Tree Species: In Situ Conservation of White Ash (Fraxinus americana L.) Genetic Diversity through Insecticide Treatment. Forests, 2018, 9, 202.	2.1	20
27	Are Current Seedling Demographics Poised to Regenerate Northern US Forests?. Journal of Forestry, 2019, 117, 592-612.	1.0	20
28	White ash (Fraxinus americana) decline and mortality: The role of site nutrition and stress history. Forest Ecology and Management, 2012, 286, 8-15.	3.2	19
29	The canary in the coal mine: Sprouts as a rapid indicator of browse impact in managed forests. Ecological Indicators, 2016, 69, 269-275.	6.3	19
30	The distribution of a non-native (Rosa multiflora) and native (Kalmia latifolia) shrub in mature closed-canopy forests across soil fertility gradients. Plant and Soil, 2014, 377, 259-276.	3.7	18
31	Phytochemicals Involved in Plant Resistance to Leporids and Cervids: a Systematic Review. Journal of Chemical Ecology, 2020, 46, 84-98.	1.8	17
32	Stasis in forest regeneration following deer exclusion and understory gap creation: A 10â€year experiment. Ecological Applications, 2022, 32, e2569.	3.8	17
33	The Forest of Unintended Consequences: Anthropogenic Actions Trigger the Rise and Fall of Black Cherry. BioScience, 2021, 71, 683-696.	4.9	13
34	Disturbance size and severity covary in small and mid-size wind disturbances in Pennsylvania northern hardwoods forests. Forest Ecology and Management, 2013, 302, 273-279.	3.2	12
35	The Indirect Impact of Long-Term Overbrowsing on Insects in the Allegheny National Forest Region of Pennsylvania. Northeastern Naturalist, 2015, 22, 782-797.	0.3	11
36	Demographic disequilibrium caused by canopy gap expansion and recruitment failure triggers forest cover loss. Forest Ecology and Management, 2017, 401, 117-124.	3.2	9

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37	Moose Browsing Tends Spruce Plantations More Efficiently Than a Single Mechanical Release. Forests, 2020, 11, 1138.	2.1	9
38	A Pox on our Land. , 2014, , 400-411.		9
39	A Review of Ungulate Impacts on the Success of Climate-Adapted Forest Management Strategies. Current Forestry Reports, 2021, 7, 305-320.	7.4	9
40	Timing is Not Everything: Assessing the Efficacy of Pre- Versus Post-Harvest Herbicide Applications in Mitigating the Burgeoning Birch Phenomenon in Regenerating Hardwood Stands. Forests, 2019, 10, 324.	2.1	8
41	Tree assisted migration in a browsed landscape: Can we predict susceptibility to herbivores?. Forest Ecology and Management, 2021, 498, 119576.	3.2	7
42	Post-windthrow salvage logging increases seedling and understory diversity with little impact on composition immediately after logging. New Forests, 2020, 51, 409-420.	1.7	6
43	Una aproximaciÃ³n ecolÃ³gica a la silvicultura del roble:sÃntesis de 50 aÃ±os de investigaciÃ³n en ecosistemas de roble en NorteamÃ©rica. Colombia Forestal, 2010, 13, 201.	0.2	6
44	Deer browsing overwhelms extended leaf phenology benefits: A test case with Rubus allegheniensis and a recalcitrant hay-scented fern layer. Forest Ecology and Management, 2019, 448, 294-299.	3.2	5
45	Predicting terpene content in dried conifer shoots using near infrared spectroscopy. Journal of Near Infrared Spectroscopy, 2020, 28, 308-314.	1.5	4
46	Partitioning and predicting forage biomass from total aboveground biomass of regenerating tree species using dimensional analyses. Canadian Journal of Forest Research, 2019, 49, 309-316.	1.7	3
47	Managing Moose from Home: Determining Landscape Carrying Capacity for Alces alces Using Remote Sensing. Forests, 2022, 13, 150.	2.1	2
48	Demographic constraints in three populations of Lobelia boykinii: a rare wetland endemic1. Journal of the Torrey Botanical Society, 2008, 135, 189-199.	0.3	1
49	Stand and site characteristics affect the probability of stump sprouting in some eastern North American hardwoods. Forest Ecology and Management, 2022, 511, 120136.	3.2	1