Luis Abdala-Roberts

List of Publications by Year
in descending order

69 papers	1,725 citations	279798 23 h-index	330143 37 g-index
69 all docs	69 docs citations	69 times ranked	2040 citing authors

#	Article	IF	Citations
1	Plant diversity effects on insect herbivores and their natural enemies: current thinking, recent findings, and future directions. Current Opinion in Insect Science, 2016, 14, 1-7.	4.4	138
2	Elevational gradients in plant defences and insect herbivory: recent advances in the field and prospects for future research. Ecography, 2018, 41, 1485-1496.	4.5	97
3	Latitudinal variation in plant chemical defences drives latitudinal patterns of leaf herbivory. Ecography, 2018, 41, 1124-1134.	4.5	84
4	Latitudinal variation in herbivory: influences of climatic drivers, herbivore identity and natural enemies. Oikos, 2015, 124, 1444-1452.	2.7	79
5	Triâ€trophic interactions: bridging species, communities and ecosystems. Ecology Letters, 2019, 22, 2151-2167.	6.4	77
6	Interactions between plant defence signalling pathways: Evidence from bioassays with insect herbivores and plant pathogens. Journal of Ecology, 2018, 106, 2353-2364.	4.0	71
7	Biotic and abiotic factors associated with altitudinal variation in plant traits and herbivory in a dominant oak species. American Journal of Botany, 2016, 103, 2070-2078.	1.7	63
8	Patterns of amongâ€and withinâ€species variation in heterospecific pollen receipt: The importance of ecological generalization. American Journal of Botany, 2016, 103, 396-407.	1.7	60
9	Positive Effects of Plant Genotypic and Species Diversity on Anti-Herbivore Defenses in a Tropical Tree Species. PLoS ONE, 2014, 9, e105438.	2.5	59
10	Comparison of tree genotypic diversity and species diversity effects on different guilds of insect herbivores. Oikos, 2015, 124, 1527-1535.	2.7	56
11	A global analysis of elevational gradients in leaf herbivory and its underlying drivers: Effects of plant growth form, leaf habit and climatic correlates. Journal of Ecology, 2018, 106, 413-421.	4.0	56
12	Impacts of urbanization on insect herbivory and plant defences in oak trees. Oikos, 2019, 128, 113-123.	2.7	49
13	Test of biotic and abiotic correlates of latitudinal variation in defences in the perennial herb <scp>R</scp>uellia nudiflora. Journal of Ecology, 2016, 104, 580-590.	4.0	48
14	Testing the low latitude/high defense hypothesis for broad-leaved tree species. Oecologia, 2012, 169, 811-820.	2.0	38
15	Interactive effects of plant neighbourhood and ontogeny on insect herbivory and plant defensive traits. Scientific Reports, 2017, 7, 4047.	3.3	36
16	Environmental and plant genetic effects on triâ€trophic interactions. Oikos, 2013, 122, 1157-1166.	2.7	34
17	Specificity of induced defenses, growth, and reproduction in lima bean (Phaseolus lunatus) in response to multispecies herbivory. American Journal of Botany, 2015, 102, 1300-1308.	1.7	33
18	Interspecific variation in leaf functional and defensive traits in oak species and its underlying climatic drivers. PLoS ONE, 2018, 13, e0202548.	2.5	33

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19	Ecological and evolutionary consequences of plant genotype diversity in a triâ€trophic system. Ecology, 2014, 95, 2879-2893.	3.2	31
20	Antâ€“aphid interactions on Asclepias syriaca are mediated by plant genotype and caterpillar damage. Oikos, 2012, 121, 1905-1913.	2.7	30
21	Spatial Variation in the Strength of a Trophic Cascade InvolvingRuellia nudiflora(Acanthaceae), an Insect Seed Predator and Associated Parasitoid Fauna in Mexico. Biotropica, 2010, 42, 180-187.	1.6	27
22	Effects of climate on reproductive investment in a masting species: assessment of climatic predictors and underlying mechanisms. Journal of Ecology, 2015, 103, 1317-1324.	4.0	26
23	Assessing the influence of biogeographical region and phylogenetic history on chemical defences and herbivory in Quercus species. Phytochemistry, 2018, 153, 64-73.	2.9	25
24	Local adaptation of Ruellia nudiflora (Acanthaceae) to biotic counterparts: complex scenarios revealed when two herbivore guilds are considered. Journal of Evolutionary Biology, 2009, 22, 2288-2297.	1.7	24
25	Effects of Tree Genotypic Diversity and Species Diversity on the Arthropod Community Associated with Bigâ€leaf Mahogany. Biotropica, 2015, 47, 579-587.	1.6	24
26	Tropical tree diversity mediates foraging and predatory effects of insectivorous birds. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20181842.	2.6	24
27	Influence of multiple factors on plant local adaptation: soil type and folivore effects in Ruellia nudiflora (Acanthaceae). Evolutionary Ecology, 2012, 26, 545-558.	1.2	19
28	Effects of plant intraspecific diversity across three trophic levels: Underlying mechanisms and plant traits. American Journal of Botany, 2016, 103, 1810-1818.	1.7	17
29	Latitudinal variation in seed predation correlates with latitudinal variation in seed defensive and nutritional traits in a widespread oak species. Annals of Botany, 2020, 125, 881-890.	2.9	17
30	Compensation to simulated insect leaf herbivory in wild cotton (Gossypium hirsutum): responses to multiple levels of damage and associated traits. Plant Biology, 2019, 21, 805-812.	3.8	16
31	Mechanisms and traits associated with compensation for defoliation in Ruellia nudiflora. Plant Ecology, 2012, 213, 303-314.	1.6	15
32	Pollen limitation, fruit abortion, and autonomous selfing in three populations of the perennial herb <scp>R</scp>uellia nudiflora. Plant Species Biology, 2014, 29, 25-33.	1.0	15
33	Light Availability Influences Growthâ€Defense Tradeâ€Offs in Bigâ€Leaf Mahogany (Swietenia) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	15
34	Are Tree Species Diversity and Genotypic Diversity Effects on Insect Herbivores Mediated by Ants?. PLoS ONE, 2015, 10, e0132671.	2.5	15
35	Inducibility of chemical defences in young oak trees is stronger in species with high elevational ranges. Tree Physiology, 2019, 39, 606-614.	3.1	15
36	Effects of earlyâ€season insect herbivory on subsequent pathogen infection and ant abundance on wild cotton (Gossypium hirsutum). Journal of Ecology, 2019, 107, 1518-1529.	4.0	15

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37	Ontogenetic consistency in oak defence syndromes. Journal of Ecology, 2020, 108, 1822-1834.	4.0	15
38	Effects of pepper (Capsicum chinense) genotypic diversity on insect herbivores. Agricultural and Forest Entomology, 2015, 17, 433-438.	1.3	14
39	Functional responses of contrasting seed predator guilds to masting in two Mediterranean oak species. Oikos, 2017, 126, 1042-1050.	2.7	13
40	Effects of insularity on insect leaf herbivory and chemical defences in a Mediterranean oak species. Journal of Biogeography, 2019, 46, 1226-1233.	3.0	13
41	Parallel increases in insect herbivory and defenses with increasing elevation for both saplings and adult trees of oak (Quercus) species. American Journal of Botany, 2019, 106, 1558-1565.	1.7	13
42	Effects of tree species diversity and genotypic diversity on leafminers and parasitoids in a tropical forest plantation. Agricultural and Forest Entomology, 2016, 18, 43-51.	1.3	11
43	Effects of tree species diversity on insect herbivory and leaf defences in Cordia dodecandra. Ecological Entomology, 2018, 43, 703-711.	2.2	11
44	Bottomâ€up control of geographic variation in insect herbivory on wild cotton (Gossypium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	1.7	11
45	Effects of soil salinity on the expression of direct and indirect defences in wild cotton Gossypium hirsutum. Journal of Ecology, 2021, 109, 354-368.	4.0	10
46	Latitudinal and Elevational Gradients in Plant Defences and Herbivory in Temperate Trees: Recent Findings, Underlying Drivers, and the Use of Genomic Tools for Uncovering Clinal Evolution. , 2020, , 343-368.		10
47	Plant traits mediate effects of predators across pepper (Capsicum annuum) varieties. Ecological Entomology, 2014, 39, 361-370.	2.2	9
48	Soil fertility and parasitoids shape herbivore selection on plants. Journal of Ecology, 2014, 102, 1120-1128.	4.0	9
49	Tree species diversity alters plant defense investment in an experimental forest plantation in southern Mexico. Biotropica, 2018, 50, 246-253.	1.6	9
50	Elevational gradients in constitutive and induced oak defences based on individual traits and their correlated expression patterns. Oikos, 2021, 130, 396-407.	2.7	9
51	A roadmap for future research on insularity effects on plantâ€“herbivore interactions. Global Ecology and Biogeography, 2022, 31, 602-610.	5.8	9
52	Sexual and genotypic variation in terpene quantitative and qualitative profiles in the dioecious shrub Baccharis salicifolia. Scientific Reports, 2019, 9, 14655.	3.3	8
53	Intra-Specific Latitudinal Clines in Leaf Carbon, Nitrogen, and Phosphorus and their Underlying Abiotic Correlates in Ruellia Nudiflora. Scientific Reports, 2018, 8, 596.	3.3	7
54	Effects of arbuscular mycorrhizal fungi on aboveâ€ground triâ€trophic interactions are contingent upon plant genetic effects of cross type in the perennial herb Ruellia nudiflora. Journal of Ecology, 2018, 106, 1133-1141.	4.0	6

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55	Effects of amount and recurrence of leaf herbivory on the induction of direct and indirect defences in wild cotton. Plant Biology, 2019, 21, 1063-1071.	3.8	6
56	Weather cues associated with masting behavior dampen the negative autocorrelation between past and current reproduction in oaks. American Journal of Botany, 2019, 106, 51-60.	1.7	6
57	A phylogenetically controlled test does not support the prediction of lower putative antiâ€herbivore leaf traits for insular woody species. Journal of Biogeography, 2022, 49, 274-285.	3.0	6
58	Micro-climatic effects on plant phenolics at the community level in a Mediterranean savanna. Scientific Reports, 2020, 10, 14757.	3.3	5
59	Effects of soil abiotic factors and plant chemical defences on seed predation on sea fennel (Crithmum) Tj ETQq1 1 0.784314 rgBT /Over	3.7	5
60	Urbanization affects oakâ€“pathogen interactions across spatial scales. Ecography, 2022, 2022, .	4.5	5
61	Host plant frequency and secondary metabolites are concurrently associated with insect herbivory in a dominant riparian tree. Biology Letters, 2018, 14, 20180281.	2.3	4
62	Ecological and evolutionary consequences of tri-trophic interactions: Spatial variation and effects of plant density. American Journal of Botany, 2017, 104, 241-251.	1.7	3
63	Greater phylogenetic distance from native oaks predicts escape from insect leaf herbivores by nonâ€native oak saplings. American Journal of Botany, 2019, 106, 1202-1209.	1.7	3
64	Tree diversity effects through a temporal lens: Implications for the abundance, diversity and stability of foraging birds. Journal of Animal Ecology, 2020, 89, 1775-1787.	2.8	3
65	Sources of Variation in Defensive Traits in Quercus Species: Insights Gained from Research Spanning Individuals to Communities and Local- to Broad-Scale Factors. Progress in Biological Control, 2020, , 81-97.	0.5	3
66	Effects of latitude and conspecific plant density on insect leaf herbivory in oak saplings and seedlings. American Journal of Botany, 2021, 108, 172-176.	1.7	2
67	Proximate drivers of population inter-annual variation in seed output for a masting conifer species. Forest Ecology and Management, 2021, 498, 119562.	3.2	2
68	Short-Term Temporal Patterns in Herbivore Beetle Assemblages in Polyculture Neotropical Forest Plantations. Neotropical Entomology, 2022, 51, 199-211.	1.2	2
69	An experimental test of ant effects on herbivory and pathogen infection on wild cotton (Gossypium) Tj ETQq1 1 0.784314 rgBT /Over	1.1	2