Anurag A Agrawal

List of Publications by Citations

246 papers	20,555 citations	77 h-index	140 g-index
269 ext. papers	23,344 ext. citations	6.8 avg, IF	7.58 L-index

#	Paper	IF	Citations
246	The ecology and evolution of plant tolerance to herbivory. *Trends in Ecology and Evolution*, **1999**, 14, 179-185	10.9	1163
245	Phenotypic plasticity in the interactions and evolution of species. *Science*, **2001**, 294, 321-6	33.3	1156
244	Transgenerational induction of defences in animals and plants. *Nature*, **1999**, 401, 60-63	50.4	611
243	Biotic interactions and plant invasions. *Ecology Letters*, **2006**, 9, 726-40	10	570
242	Plant defense syndromes. *Ecology*, **2006**, 87, S132-49	4.6	470
241	Specialist versus generalist insect herbivores and plant defense. *Trends in Plant Science*, **2012**, 17, 293-302	13.1	466
240	Induced responses to herbivory and increased plant performance. *Science*, **1998**, 279, 1201-2	33.3	462
239	Re-evaluating the costs and limits of adaptive phenotypic plasticity. *Proceedings of the Royal Society B: Biological Sciences*, **2010**, 277, 503-11	4.4	431
238	Macroevolution and the biological diversity of plants and herbivores. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 18054-61	11.5	403
237	A role for isothiocyanates in plant resistance against the specialist herbivore Pieris rapae. *Journal of Chemical Ecology*, **2003**, 29, 1403-15	2.7	345
236	Filling key gaps in population and community ecology. *Frontiers in Ecology and the Environment*, **2007**, 5, 145-152	5.5	343
235	Current trends in the evolutionary ecology of plant defence. *Functional Ecology*, **2011**, 25, 420-432	5.6	334
234	Herbivory in the previous generation primes plants for enhanced insect resistance. *Plant Physiology* , **2012**, 158, 854-63	6.6	316
233	ENEMY RELEASE? AN EXPERIMENT WITH CONGENERIC PLANT PAIRS AND DIVERSE ABOVE- AND BELOWGROUND ENEMIES. *Ecology*, **2005**, 86, 2979-2989	4.6	309
232	Insect herbivores drive real-time ecological and evolutionary change in plant populations. *Science*, **2012**, 338, 113-6	33.3	308
231	Macroevolution of plant defense strategies. *Trends in Ecology and Evolution*, **2007**, 22, 103-9	10.9	292
230	Transgenerational defense induction and epigenetic inheritance in plants. *Trends in Ecology and Evolution*, **2012**, 27, 618-26	10.9	270

229	PLANT GENOTYPE AND ENVIRONMENT INTERACT TO SHAPE A DIVERSE ARTHROPOD COMMUNITY ON EVENING PRIMROSE (OENOTHERA BIENNIS). *Ecology*, **2005**, 86, 874-885	4.6	267
228	COSTS OF INDUCED RESPONSES AND TOLERANCE TO HERBIVORY IN MALE AND FEMALE FITNESS COMPONENTS OF WILD RADISH. *Evolution; International Journal of Organic Evolution*, **1999**, 53, 1093-1104	3.8	267
227	Latex: A Model for Understanding Mechanisms, Ecology, and Evolution of Plant Defense Against Herbivory. *Annual Review of Ecology, Evolution, and Systematics*, **2009**, 40, 311-331	13.5	265
226	Toxic cardenolides: chemical ecology and coevolution of specialized plant-herbivore interactions. *New Phytologist*, **2012**, 194, 28-45	9.8	257
225	Herbivore Offense. *Annual Review of Ecology, Evolution, and Systematics*, **2002**, 33, 641-664		253
224	INDUCED RESPONSES TO HERBIVORY IN WILD RADISH: EFFECTS ON SEVERAL HERBIVORES AND PLANT FITNESS. *Ecology*, **1999**, 80, 1713-1723	4.6	245
223	Trade-Offs Between Plant Growth and Defense Against Insect Herbivory: An Emerging Mechanistic Synthesis. *Annual Review of Plant Biology*, **2017**, 68, 513-534	30.7	229
222	Herbivores and the success of exotic plants: a phylogenetically controlled experiment. *Ecology Letters*, **2003**, 6, 712-715	10	225
221	Additive and interactive effects of plant genotypic diversity on arthropod communities and plant fitness. *Ecology Letters*, **2006**, 9, 24-34	10	221
220	Specificity of induced resistance in wild radish: causes and consequences for two specialist and two generalist caterpillars. *Oikos*, **2000**, 89, 493-500	4	217
219	Community heterogeneity and the evolution of interactions between plants and insect herbivores. *Quarterly Review of Biology*, **2006**, 81, 349-76	5.4	196
218	Overcompensation of plants in response to herbivory and the by-product benefits of mutualism. *Trends in Plant Science*, **2000**, 5, 309-13	13.1	186
217	Induced plant responses and information content about risk of herbivory. *Trends in Ecology and Evolution*, **1999**, 14, 443-447	10.9	185
216	Direct and interactive effects of enemies and mutualists on plant performance: a meta-analysis. *Ecology*, **2007**, 88, 1021-9	4.6	182
215	Community-wide convergent evolution in insect adaptation to toxic cardenolides by substitutions in the Na,K-ATPase. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 13040-5	11.5	180
214	Ecological genetics of an induced plant defense against herbivores: additive genetic variance and costs of phenotypic plasticity. *Evolution; International Journal of Organic Evolution*, **2002**, 56, 2206-13	3.8	169
213	COMMUNITY-WIDE IMPACTS OF HERBIVORE-INDUCED PLANT RESPONSES IN MILKWEED (ASCLEPIAS SYRIACA). *Ecology*, **2004**, 85, 2616-2629	4.6	163
212	Latitudinal patterns in plant defense: evolution of cardenolides, their toxicity and induction following herbivory. *Ecology Letters*, **2011**, 14, 476-83	10	159

211	HOST-RANGE EVOLUTION: ADAPTATION AND TRADE-OFFS IN FITNESS OF MITES ON ALTERNATIVE HOSTS. *Ecology*, **2000**, 81, 500-508	4.6	159
210	Mechanisms and evolution of plant resistance to aphids. *Nature Plants*, **2016**, 2, 15206	11.5	157
209	Transgenerational consequences of plant responses to herbivory: an adaptive maternal effect?. *American Naturalist*, **2001**, 157, 555-69	3.7	151
208	A direct comparison of the consequences of plant genotypic and species diversity on communities and ecosystem function. *Ecology*, **2011**, 92, 915-23	4.6	148
207	THE BENEFITS OF INDUCED DEFENSES AGAINST HERBIVORES. *Ecology*, **1997**, 78, 1351-1355	4.6	148
206	Costs of Induced Responses and Tolerance to Herbivory in Male and Female Fitness Components of Wild Radish. *Evolution; International Journal of Organic Evolution*, **1999**, 53, 1093	3.8	142
205	Evolution of plant resistance and tolerance to frost damage. *Ecology Letters*, **2004**, 7, 1199-1208	10	140
204	Phylogenetic escalation and decline of plant defense strategies. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 10057-60	11.5	139
203	Dynamic Anti-Herbivore Defense in Ant-Plants: The Role of Induced Responses. *Oikos*, **1998**, 83, 227	4	132
202	HERBIVORY AND MATERNAL EFFECTS: MECHANISMS AND CONSEQUENCES OF TRANSGENERATIONAL INDUCED PLANT RESISTANCE. *Ecology*, **2002**, 83, 3408-3415	4.6	128
201	Plants talk, but are they deaf?. *Trends in Plant Science*, **2003**, 8, 403-5	13.1	127
200	RESISTANCE AND SUSCEPTIBILITY OF MILKWEED: COMPETITION, ROOT HERBIVORY, AND PLANT GENETIC VARIATION. *Ecology*, **2004**, 85, 2118-2133	4.6	124
199	Mechanisms, ecological consequences and agricultural implications of tri-trophic interactions. *Current Opinion in Plant Biology*, **2000**, 3, 329-35	9.9	121
198	Salicylate-mediated interactions between pathogens and herbivores. *Ecology*, **2010**, 91, 1075-82	4.6	119
197	Adaptive geographical clines in the growth and defense of a native plant. *Ecological Monographs*, **2012**, 82, 149-168	9	118
196	BENEFITS AND COSTS OF INDUCED PLANT DEFENSE FOR LEPIDIUM VIRGINICUM (BRASSICACEAE). *Ecology*, **2000**, 81, 1804-1813	4.6	118
195	Specificity of induced plant responses to specialist herbivores of the common milkweed Asclepias syriaca. *Oikos*, **2004**, 104, 401-409	4	116
194	In defense of roots: a research agenda for studying plant resistance to belowground herbivory. *Plant Physiology*, **2008**, 146, 875-80	6.6	114

193	Evidence for adaptive radiation from a phylogenetic study of plant defenses. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 18067-72	11.5	111
192	INFLUENCE OF PREY AVAILABILITY AND INDUCED HOST-PLANT RESISTANCE ON OMNIVORY BY WESTERN FLOWER THRIPS. *Ecology*, **1999**, 80, 518-523	4.6	109
191	Plant defense against herbivory: progress in identifying synergism, redundancy, and antagonism between resistance traits. *Current Opinion in Plant Biology*, **2009**, 12, 473-8	9.9	106
190	On the study of plant defence and herbivory using comparative approaches: how important are secondary plant compounds. *Ecology Letters*, **2015**, 18, 985-91	10	104
189	Domatia mediate plantarthropod mutualism. *Nature*, **1997**, 387, 562-563	50.4	103
188	Defense mutualisms enhance plant diversification. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 16442-7	11.5	101
187	Evolutionary trade-offs in plants mediate the strength of trophic cascades. *Science*, **2010**, 327, 1642-4	33.3	101
186	The role of plant trichomes and caterpillar group size on growth and defence of the pipevine swallowtail Battus philenor. *Journal of Animal Ecology*, **2001**, 70, 997-1005	4.7	96
185	Direct and indirect root defences of milkweed (Asclepias syriaca): trophic cascades, trade-offs and novel methods for studying subterranean herbivory. *Journal of Ecology*, **2011**, 99, 16-25	6	95
184	Heritability, covariation and natural selection on 24 traits of common evening primrose (Oenothera biennis) from a field experiment. *Journal of Evolutionary Biology*, **2009**, 22, 1295-307	2.3	94
183	Plant defense and density dependence in the population growth of herbivores. *American Naturalist*, **2004**, 164, 113-20	3.7	94
182	What is Phenotypic Plasticity and Why is it Important? **2009**,		94
181	Phylogenetic trends in phenolic metabolism of milkweeds (Asclepias): evidence for escalation. *Evolution; International Journal of Organic Evolution*, **2009**, 63, 663-73	3.8	92
180	Plant genotype shapes ant-aphid interactions: implications for community structure and indirect plant defense. *American Naturalist*, **2008**, 171, E195-205	3.7	92
179	Linking the continental migratory cycle of the monarch butterfly to understand its population decline. *Oikos*, **2016**, 125, 1081-1091	4	92
178	Phylogenetic ecology of leaf surface traits in the milkweeds (Asclepias spp.): chemistry, ecophysiology, and insect behavior. *New Phytologist*, **2009**, 183, 848-867	9.8	88
177	An ecological cost of plant defence: attractiveness of bitter cucumber plants to natural enemies of herbivores. *Ecology Letters*, **2002**, 5, 377-385	10	87
176	How leaf domatia and induced plant resistance affect herbivores, natural enemies and plant performance. *Oikos*, **2000**, 89, 70-80	4	82

175	Polymorphism in Plant Defense Against Herbivory: Constitutive and Induced Resistance in Cucumis sativus. *Journal of Chemical Ecology*, **1999**, 25, 2285-2304	2.7	82
174	How herbivores coopt plant defenses: natural selection, specialization, and sequestration. *Current Opinion in Insect Science*, **2016**, 14, 17-24	5.1	81
173	Induction of preference and performance after acclimation to novel hosts in a phytophagous spider mite: adaptive plasticity?. *American Naturalist*, **2002**, 159, 553-65	3.7	81
172	What omnivores eat: direct effects of induced plant resistance on herbivores and indirect consequences for diet selection by omnivores. *Journal of Animal Ecology*, **2000**, 69, 525-535	4.7	79
171	Asymmetry of plant-mediated interactions between specialist aphids and caterpillars on two milkweeds. *Functional Ecology*, **2014**, 28, 1404-1412	5.6	78
170	Phylogeny, ecology, and the coupling of comparative and experimental approaches. *Trends in Ecology and Evolution*, **2012**, 27, 394-403	10.9	78
169	LEAF DAMAGE AND ASSOCIATED CUES INDUCE AGGRESSIVE ANT RECRUITMENT IN A NEOTROPICAL ANT-PLANT. *Ecology*, **1998**, 79, 2100-2112	4.6	77
168	Future directions in the study of induced plant responses to herbivory. *Entomologia Experimentalis Et Applicata*, **2005**, 115, 97-105	2.1	75
167	Algal defense, grazers, and their interactions in aquatic trophic cascades. *Acta Oecologica*, **1998**, 19, 331-337	1.7	74
166	Specificity and trade-offs in the induced plant defence of common milkweed Asclepias syriaca to two lepidopteran herbivores. *Journal of Ecology*, **2010**, 98, 1014-1022	6	68
165	Induced responses to herbivory and jasmonate in three milkweed species. *Journal of Chemical Ecology*, **2009**, 35, 1326-34	2.7	68
164	Evolutionary history predicts plant defense against an invasive pest. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 7070-4	11.5	68
163	Milkweed butterfly resistance to plant toxins is linked to sequestration, not coping with a toxic diet. *Proceedings of the Royal Society B: Biological Sciences*, **2015**, 282, 20151865	4.4	67
162	Trade-offs between the shade-avoidance response and plant resistance to herbivores? Tests with mutant Cucumis sativus. *Functional Ecology*, **2005**, 19, 1025-1031	5.6	67
161	A scale-dependent framework for trade-offs, syndromes, and specialization in organismal biology. *Ecology*, **2020**, 101, e02924	4.6	66
160	A field experiment demonstrating plant life-history evolution and its eco-evolutionary feedback to seed predator populations. *American Naturalist*, **2013**, 181 Suppl 1, S35-45	3.7	62
159	Parental effects in Pieris rapae in response to variation in food quality: adaptive plasticity across generations?. *Ecological Entomology*, **2003**, 28, 211-218	2.1	61
158	Evolution of specialization: a phylogenetic study of host range in the red milkweed beetle (Tetraopes tetraophthalmus). *American Naturalist*, **2011**, 177, 728-37	3.7	59

157	The raison d'Ere of chemical ecology. *Ecology*, **2015**, 96, 617-30	4.6	58
156	Evolution of latex and its constituent defensive chemistry in milkweeds (Asclepias): a phylogenetic test of plant defense escalation. *Entomologia Experimentalis Et Applicata*, **2008**, 128, 126-138	2.1	58
155	Phenotypic plasticity to light competition and herbivory in Chenopodium album (Chenopodiaceae). *American Journal of Botany*, **2005**, 92, 21-6	2.7	58
154	Coexisting congeners: demography, competition, and interactions with cardenolides for two milkweed-feeding aphids. *Oikos*, **2008**, 117, 450-458	4	57
153	Specificity of constitutive and induced resistance: pigment glands influence mites and caterpillars on cotton plants. *Entomologia Experimentalis Et Applicata*, **2000**, 96, 39-49	2.1	57
152	INTEGRATING PHYLOGENIES INTO COMMUNITY ECOLOGY1. *Ecology*, **2006**, 87, S1-S2	4.6	56
151	Toward a Predictive Framework for Convergent Evolution: Integrating Natural History, Genetic Mechanisms, and Consequences for the Diversity of Life. *American Naturalist*, **2017**, 190, S1-S12	3.7	55
150	Cardenolides, induced responses, and interactions between above- and belowground herbivores of milkweed (Asclepias spp.). *Ecology*, **2009**, 90, 2393-404	4.6	55
149	COMMUNITY GENETICS: NEW INSIGHTS INTO COMMUNITY ECOLOGY BY INTEGRATING POPULATION GENETICS1. *Ecology*, **2003**, 84, 543-544	4.6	55
148	The Monarch Butterfly through Time and Space: The Social Construction of an Icon. *BioScience*, **2015**, 65, 612-622	5.7	54
147	GrowthDefense tradeoffs for two major anti-herbivore traits of the common milkweed Asclepias syriaca. *Oikos*, **2015**, 124, 1404-1415	4	54
146	Genome editing retraces the evolution of toxin resistance in the monarch butterfly. *Nature*, **2019**, 574, 409-412	50.4	52
145	Herbivory enhances positive effects of plant genotypic diversity. *Ecology Letters*, **2010**, 13, 553-63	10	49
144	Coexistence of three specialist aphids on common milkweed, Asclepias syriaca. *Ecology*, **2008**, 89, 2187-96	4.6	49
143	INTENSE DISTURBANCE ENHANCES PLANT SUSCEPTIBILITY TO HERBIVORY: NATURAL AND EXPERIMENTAL EVIDENCE. *Ecology*, **2003**, 84, 890-897	4.6	49
142	Covariation and composition of arthropod species across plant genotypes of evening primrose, Oenothera biennis. *Oikos*, **2007**, 116, 941-956	4	48
141	Induced Plant Resistance and Susceptibility to Late-Season Herbivores of Wild Radish. *Annals of the Entomological Society of America*, **2001**, 94, 71-75	2	48
140	Induced responses to herbivory in the Neotropical ant-plant association between Azteca ants and Cecropia trees: response of ants to potential inducing cues. *Behavioral Ecology and Sociobiology*, **1999**, 45, 47-54	2.5	47

139	Cardenolides in nectar may be more than a consequence of allocation to other plant parts: a phylogenetic study of Asclepias. *Functional Ecology*, **2012**, 26, 1100-1110	5.6	46
138	Attenuation of the jasmonate burst, plant defensive traits, and resistance to specialist monarch caterpillars on shaded common milkweed (Asclepias syriaca). *Journal of Chemical Ecology*, **2012**, 38, 893-901	3.7	46
137	Parallel changes in host resistance to viral infection during 45,000 generations of relaxed selection. *Evolution; International Journal of Organic Evolution*, **2010**, 64, 3024-34	3.8	46
136	Natural selection on and predicted responses of ecophysiological traits of swamp milkweed (Asclepias incarnata). *Journal of Ecology*, **2008**, 96, 536-542	6	45
135	Phylogenetic correlations among chemical and physical plant defenses change with ontogeny. *New Phytologist*, **2015**, 206, 796-806	9.8	44
134	Mechanisms behind the monarch's decline. *Science*, **2018**, 360, 1294-1296	33.3	43
133	Ants defend aphids against lethal disease. *Biology Letters*, **2010**, 6, 205-8	3.6	42
132	Do leaf domatia mediate a plant□mite mutualism? An experimental test of the effects on predators and herbivores. *Ecological Entomology*, **1997**, 22, 371-376	2.1	42
131	Learning in Insect Pollinators and Herbivores. *Annual Review of Entomology*, **2017**, 62, 53-71	21.8	41
130	Ecological play in the coevolutionary theatre: genetic and environmental determinants of attack by a specialist weevil on milkweed. *Journal of Ecology*, **2003**, 91, 1049-1059	6	41
129	Corruption of journal Impact Factors. *Trends in Ecology and Evolution*, **2005**, 20, 157	10.9	40
128	Intraspecific variation in the strength of density dependence in aphid populations. *Ecological Entomology*, **2004**, 29, 521-526	2.1	40
127	Population Variation, Environmental Gradients, and the Evolutionary Ecology of Plant Defense against Herbivory. *American Naturalist*, **2019**, 193, 20-34	3.7	39
126	Evolution of plant growth and defense in a continental introduction. *American Naturalist*, **2015**, 186, E1-E15	3.7	37
125	Induced indirect defence in a lycaenid-ant association: the regulation of a resource in a mutualism. *Proceedings of the Royal Society B: Biological Sciences*, **2000**, 267, 1857-61	4.4	35
124	Phylogenetic and experimental tests of interactions among mutualistic plant defense traits in Viburnum (adoxaceae). *American Naturalist*, **2012**, 180, 450-63	3.7	34
123	Plant-herbivore coevolution and plant speciation. *Ecology*, **2019**, 100, e02704	4.6	33
122	First evidence of hexameric and heptameric ellagitannins in plants detected by liquid chromatography/electrospray ionisation mass spectrometry. *Rapid Communications in Mass Spectrometry*, **2010**, 24, 3151-6	2.2	32

121	Deer browsing delays succession by altering aboveground vegetation and belowground seed banks. *PLoS ONE*, **2014**, 9, e91155	3.7	31
120	Assessing the Impact of Climate Change on Outbreak Potential **2012**, 429-450		31
119	Population growth and sequestration of plant toxins along a gradient of specialization in four aphid species on the common milkweed Asclepias syriaca. *Functional Ecology*, **2016**, 30, 547-556	5.6	30
118	Benefits and Costs of Induced Plant Defense for Lepidium virginicum (Brassicaceae). *Ecology*, **2000**, 81, 1804	4.6	30
117	Multidrug transporters and organic anion transporting polypeptides protect insects against the toxic effects of cardenolides. *Insect Biochemistry and Molecular Biology*, **2017**, 81, 51-61	4.5	29
116	The ecological play of predator□prey dynamics in an evolutionary theatre. *Trends in Ecology and Evolution*, **2003**, 18, 549-551	10.9	28
115	Specificity of herbivore-induced hormonal signaling and defensive traits in five closely related milkweeds (Asclepias spp.). *Journal of Chemical Ecology*, **2014**, 40, 717-29	2.7	27
114	Polymorphic buttonwood: effects of disturbance on resistance to herbivores in green and silver morphs of a Bahamian shrub. *American Journal of Botany*, **2004**, 91, 1990-7	2.7	27
113	Ant□aphid interactions on Asclepias syriaca are mediated by plant genotype and caterpillar damage. *Oikos*, **2012**, 121, 1905-1913	4	26
112	Interactive effects of genotype, environment, and ontogeny on resistance of cucumber (Cucumis sativus) to the generalist herbivore, Spodoptera exigua. *Journal of Chemical Ecology*, **2004**, 30, 37-51	2.7	26
111	Rapid herbivore-induced changes in mountain birch phenolics and nutritive compounds and their effects on performance of the major defoliator, Epirrita autumnata. *Journal of Chemical Ecology*, **2004**, 30, 303-21	2.7	26
110	Spatial Synchrony of Insect Outbreaks **2012**, 113-125		23
109	Chinese mantids gut toxic monarch caterpillars: avoidance of prey defence?. *Ecological Entomology*, **2013**, 38, 76-82	2.1	23
108	Density dependent population growth of the two-spotted spider mite, Tetranychus urticae, on the host plant Leonurus cardiaca. *Oikos*, **2003**, 103, 559-565	4	23
107	Landscape Ecology Comes of Age1. *Ecology*, **2005**, 86, 1965-1966	4.6	23
106	Cardenolide Intake, Sequestration, and Excretion by the Monarch Butterfly along Gradients of Plant Toxicity and Larval Ontogeny. *Journal of Chemical Ecology*, **2019**, 45, 264-277	2.7	22
105	Relative Selectivity of Plant Cardenolides for Na/K-ATPases From the Monarch Butterfly and Non-resistant Insects. *Frontiers in Plant Science*, **2018**, 9, 1424	6.2	22
104	New synthesis--trade-offs in chemical ecology. *Journal of Chemical Ecology*, **2011**, 37, 230-1	2.7	21

103	Monarchs and Milkweed **2017**,		21
102	INDUCED RESPONSES TO HERBIVORY IN WILD RADISH: EFFECTS ON SEVERAL HERBIVORES AND PLANT FITNESS **1999**, 80, 1713		21
101	Toxicity of Milkweed Leaves and Latex: Chromatographic Quantification Versus Biological Activity of Cardenolides in 16 Asclepias Species. *Journal of Chemical Ecology*, **2019**, 45, 50-60	2.7	21
100	Linking Individual-Scale Trait Plasticity to Community Dynamics1. *Ecology*, **2003**, 84, 1081-1082	4.6	20
99	Above-ground herbivory by red milkweed beetles facilitates above- and below-ground conspecific insects and reduces fruit production in common milkweed. *Journal of Ecology*, **2014**, 102, 1038-1047	6	19
98	Exotic plants contribute positively to biodiversity functions but reduce native seed production and arthropod richness. *Ecology*, **2014**, 95, 1642-50	4.6	19
97	Tests of the coupled expression of latex and cardenolide plant defense in common milkweed (Asclepias syriaca). *Ecosphere*, **2014**, 5, art126	3.1	18
96	Insect Outbreaks in Tropical Forests: Patterns, Mechanisms, and Consequences **2012**, 219-245		18
95	PERMANENT GENETIC RESOURCES: Isolation and characterization of polymorphic microsatellite loci in common evening primrose (Oenothera biennis). *Molecular Ecology Resources*, **2008**, 8, 434-6	8.4	18
94	Communication between plants: this time it's real. *Trends in Ecology and Evolution*, **2000**, 15, 446	10.9	18
93	Specific impacts of two root herbivores and soil nutrients on plant performance and insect□insect interactions. *Oikos*, **2013**, 122, 1746-1756	4	17
92	Plant chemical defense indirectly mediates aphid performance via interactions with tending ants. *Ecology*, **2017**, 98, 601-607	4.6	16
91	Love thy neighbor? reciprocal impacts between plant community structure and insect herbivory in co-occurring Asteraceae. *Ecology*, **2014**, 95, 2904-2914	4.6	16
90	Insect Herbivore Outbreaks Viewed through a Physiological Framework: Insights from Orthoptera **2012**, 1-29		16
89	Trade-offs constrain the evolution of an inducible defense within but not between plant species. *Ecology*, **2019**, 100, e02857	4.6	15
88	Evolutionary potential of root chemical defense: genetic correlations with shoot chemistry and plant growth. *Journal of Chemical Ecology*, **2012**, 38, 992-5	2.7	15
87	The Ecological Consequences of Insect Outbreaks **2012**, 197-218		15
86	Ant mutualists alter the composition and attack rate of the parasitoid community for the gall wasp Disholcaspis eldoradensis (Cynipidae). *Ecological Entomology*, **2004**, 29, 692-696	2.1	15

85	Trade-offs and tritrophic consequences of host shifts in specialized root herbivores. *Functional Ecology*, **2017**, 31, 153-160	5.6	14
84	The importance of plant genotype and contemporary evolution for terrestrial ecosystem processes. *Ecology*, **2015**, 96, 2632-42	4.6	14
83	ECOLOGICAL GENETICS OF AN INDUCED PLANT DEFENSE AGAINST HERBIVORES: ADDITIVE GENETIC VARIANCE AND COSTS OF PHENOTYPIC PLASTICITY. *Evolution; International Journal of Organic Evolution*, **2002**, 56, 2206	3.8	14
82	Consequences of toxic secondary compounds in nectar for mutualist bees and antagonist butterflies. *Ecology*, **2016**, 97, 2570-2579	4.6	14
81	Ontogenetic strategies in insect herbivores and their impact on tri-trophic interactions. *Current Opinion in Insect Science*, **2019**, 32, 61-67	5.1	14
80	A genetically-based latitudinal cline in the emission of herbivore-induced plant volatile organic compounds. *Journal of Chemical Ecology*, **2013**, 39, 1101-11	2.7	13
79	Implications of Host-Associated Differentiation in the Control of Pest Species **2012**, 291-310		13
78	Mechanisms of constraints: the contributions of selection and genetic variance to the maintenance of cotyledon number in wild radish. *Journal of Evolutionary Biology*, **2005**, 18, 238-42	2.3	13
77	Consequences of thrips-infested plants for attraction of conspecifics and parasitoids. *Ecological Entomology*, **2000**, 25, 493-496	2.1	13
76	Beyond preference and performance: host plant selection by monarch butterflies, Danaus plexippus. *Oikos*, **2019**, 128, 1092-1102	4	12
75	Historically browsed jewelweed populations exhibit greater tolerance to deer herbivory than historically protected populations. *Journal of Ecology*, **2015**, 103, 243-249	6	12
74	Four more reasons to be skeptical of open-access publishing. *Trends in Plant Science*, **2014**, 19, 133	13.1	12
73	What Tree-Ring Reconstruction Tells Us about Conifer Defoliator Outbreaks **2012**, 126-154		12
72	Systematic survey of discrepancy rates in an international teleradiology service. *Emergency Radiology*, **2011**, 18, 23-9	3	12
71	Different rates of defense evolution and niche preferences in clonal and nonclonal milkweeds (Asclepias spp.). *New Phytologist*, **2016**, 209, 1230-9	9.8	12
70	HOST-RANGE EVOLUTION: ADAPTATION AND TRADE-OFFS IN FITNESS OF MITES ON ALTERNATIVE HOSTS **2000**, 81, 500		11
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