Paul Va Fine

List of Publications by Citations

86 papers	6,840 citations	33 h-index	82 g-index
88 ext. papers	8,121 ext. citations	5.4 avg, IF	6.17 L-index

#	Paper	IF	Citations
86	The merging of community ecology and phylogenetic biology. *Ecology Letters*, **2009**, 12, 693-715	10	1468
85	Hyperdominance in the Amazonian tree flora. *Science*, **2013**, 342, 1243092	33.3	637
84	Phylogenetic beta diversity: linking ecological and evolutionary processes across space in time. *Ecology Letters*, **2008**, 11, 1265-77	10	433
83	Herbivores promote habitat specialization by trees in Amazonian forests. *Science*, **2004**, 305, 663-5	33.3	427
82	The growth-defense trade-off and habitat specialization by plants in Amazonian forests. *Ecology*, **2006**, 87, S150-62	4.6	338
81	Global patterns of leaf mechanical properties. *Ecology Letters*, **2011**, 14, 301-12	10	314
80	Strong coupling of plant and fungal community structure across western Amazonian rainforests. *ISME Journal*, **2013**, 7, 1852-61	11.9	235
79	Ecological and Evolutionary Drivers of Geographic Variation in Species Diversity. *Annual Review of Ecology, Evolution, and Systematics*, **2015**, 46, 369-392	13.5	222
78	Phylogenetic community structure and phylogenetic turnover across space and edaphic gradients in western Amazonian tree communities. *Ecography*, **2011**, 34, 552-565	6.5	204
77	Evidence for a time-integrated species-area effect on the latitudinal gradient in tree diversity. *American Naturalist*, **2006**, 168, 796-804	3.7	189
76	Global gradients in vertebrate diversity predicted by historical area-productivity dynamics and contemporary environment. *PLoS Biology*, **2012**, 10, e1001292	9.7	185
75	The invasibility of tropical forests by exotic plants. *Journal of Tropical Ecology*, **2002**, 18, 687-705	1.3	172
74	Disentangling stand and environmental correlates of aboveground biomass in Amazonian forests. *Global Change Biology*, **2011**, 17, 2677-2688	11.4	127
73	The contribution of edaphic heterogeneity to the evolution and diversity of Burseraceae trees in the western Amazon. *Evolution; International Journal of Organic Evolution*, **2005**, 59, 1464-78	3.8	120
72	Leaf, stem and root tissue strategies across 758 Neotropical tree species. *Functional Ecology*, **2012**, 26, 1153-1161	5.6	119
71	Environmental factors predict community functional composition in Amazonian forests. *Journal of Ecology*, **2014**, 102, 145-155	6	100
70	Globally, functional traits are weak predictors of juvenile tree growth, and we do not know why. *Journal of Ecology*, **2015**, 103, 978-989	6	99

69	A Floristic Study of the White-Sand Forests of Peru1. *Annals of the Missouri Botanical Garden*, **2010**, 97, 283-305	1.8	84
68	Species Distribution Modelling: Contrasting presence-only models with plot abundance data. *Scientific Reports*, **2018**, 8, 1003	4.9	78
67	Investigating processes of neotropical rain forest tree diversification by examining the evolution and historical biogeography of the Protieae (Burseraceae). *Evolution; International Journal of Organic Evolution*, **2014**, 68, 1988-2004	3.8	77
66	Wood specific gravity and anatomy of branches and roots in 113 Amazonian rainforest tree species across environmental gradients. *New Phytologist*, **2014**, 202, 79-94	9.8	68
65	Insect herbivores, chemical innovation, and the evolution of habit specialization in Amazonian trees. *Ecology*, **2013**, 94, 1764-75	4.6	59
64	To move or to evolve: contrasting patterns of intercontinental connectivity and climatic niche evolution in "Terebinthaceae" (Anacardiaceae and Burseraceae). *Frontiers in Genetics*, **2014**, 5, 409	4.5	52
63	Rapid Simultaneous Estimation of Aboveground Biomass and Tree Diversity Across Neotropical Forests: A Comparison of Field Inventory Methods. *Biotropica*, **2013**, 45, 288-298	2.3	49
62	Assessing the latitudinal gradient in herbivory. *Global Ecology and Biogeography*, **2015**, 24, 1106-1112	6.1	47
61	Origin and maintenance of chemical diversity in a species-rich tropical tree lineage. *Nature Ecology and Evolution*, **2018**, 2, 983-990	12.3	42
60	Maximising Synergy among Tropical Plant Systematists, Ecologists, and Evolutionary Biologists. *Trends in Ecology and Evolution*, **2017**, 32, 258-267	10.9	41
59	Herbivory, growth rates, and habitat specialization in tropical tree lineages: implications for Amazonian beta-diversity. *Ecology*, **2012**, 93, S195-S210	4.6	41
58	Percentage leaf herbivory across vascular plant species. *Ecology*, **2014**, 95, 788-788	4.6	40
57	Comparing composition and diversity of parasitoid wasps and plants in an Amazonian rain-forest mosaic. *Journal of Tropical Ecology*, **2006**, 22, 167-176	1.3	37
56	Evidence for ecological divergence across a mosaic of soil types in an Amazonian tropical tree: Protium subserratum (Burseraceae). *Molecular Ecology*, **2014**, 23, 2543-58	5.7	36
55	Low Phylogenetic Beta Diversity and Geographic Neo-endemism in Amazonian White-sand Forests. *Biotropica*, **2016**, 48, 34-46	2.3	36
54	Habitat Endemism in White-sand Forests: Insights into the Mechanisms of Lineage Diversification and Community Assembly of the Neotropical Flora. *Biotropica*, **2016**, 48, 24-33	2.3	36
53	The importance of environmental heterogeneity and spatial distance in generating phylogeographic structure in edaphic specialist and generalist tree species of Protium (Burseraceae) across the Amazon Basin. *Journal of Biogeography*, **2013**, 40, 646-661	4.1	33
52	Habitat Specialization by Birds in Western Amazonian White-sand Forests. *Biotropica*, **2013**, 45, 365-372	2.3	28

51	A comparison of two common flight interception traps to survey tropical arthropods. *ZooKeys*, **2012**, 43-55	1.2	28
50	Towards integrative taxonomy in Neotropical botany: disentangling the Pagamea guianensis species complex (Rubiaceae). *Botanical Journal of the Linnean Society*, **2018**, 188, 213-231	2.2	25
49	Biased-corrected richness estimates for the Amazonian tree flora. *Scientific Reports*, **2020**, 10, 10130	4.9	24
48	Genetic variation within a dominant shrub structures green and brown community assemblages. *Ecology*, **2014**, 95, 387-98	4.6	24
47	Relationships of phytogeography and diversity of tropical tree species with limestone topography in southern Belize. *Journal of Biogeography*, **2003**, 30, 1669-1688	4.1	24
46	Peatland forests are the least diverse tree communities documented in Amazonia, but contribute to high regional beta-diversity. *Ecography*, **2018**, 41, 1256-1269	6.5	23
45	Dry and hot: the hydraulic consequences of a climate change-type drought for Amazonian trees. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2018**, 373,	5.8	23
44	Anthropogenic Burning on the Central California Coast in Late Holocene and Early Historical Times: Findings, Implications, and Future Directions. *California Archaeology*, **2013**, 5, 371-390	0.1	22
43	Uncorrelated evolution of leaf and petal venation patterns across the angiosperm phylogeny. *Journal of Experimental Botany*, **2013**, 64, 4081-8	7	21
42	Leaf synchrony and insect herbivory among tropical tree habitat specialists. *Plant Ecology*, **2014**, 215, 209-220	1.7	20
41	A New Amazonian Section of Protium (Burseraceae) including both Edaphic Specialist and Generalist Taxa. Studies in Neotropical Burseraceae XVI.. *Systematic Botany*, **2011**, 36, 939-949	0.7	20
40	There's no place like home: seedling mortality contributes to the habitat specialisation of tree species across Amazonia. *Ecology Letters*, **2016**, 19, 1256-66	10	20
39	Rarity of monodominance in hyperdiverse Amazonian forests. *Scientific Reports*, **2019**, 9, 13822	4.9	19
38	Taxonomic and functional composition of arthropod assemblages across contrasting Amazonian forests. *Journal of Animal Ecology*, **2016**, 85, 227-39	4.7	19
37	Burseraceae: a model for studying the Amazon flora. *Rodriguesia*, **2012**, 63, 021-030	0.9	17
36	Imaging spectroscopy predicts variable distance decay across contrasting Amazonian tree communities. *Journal of Ecology*, **2019**, 107, 696-710	6	17
35	Convergent evolution of tree hydraulic traits in Amazonian habitats: implications for community assemblage and vulnerability to drought. *New Phytologist*, **2020**, 228, 106-120	9.8	14
34	Geographical Variation in Community Divergence: Insights from Tropical Forest Monodominance by Ectomycorrhizal Trees. *American Naturalist*, **2017**, 190, S105-S122	3.7	13

33	Dominant tree species drive beta diversity patterns in western Amazonia. *Ecology*, **2019**, 100, e02636	4.6	13
32	Diversification of the monoterpene synthase gene family (TPSb) in Protium, a highly diverse genus of tropical trees. *Molecular Phylogenetics and Evolution*, **2013**, 68, 432-42	4.1	12
31	THE CONTRIBUTION OF EDAPHIC HETEROGENEITY TO THE EVOLUTION AND DIVERSITY OF BURSERACEAE TREES IN THE WESTERN AMAZON. *Evolution; International Journal of Organic Evolution*, **2005**, 59, 1464	3.8	12
30	Generic limits re-visited and an updated sectional classification for Protium (tribe Protieae). Studies in Neotropical Burseraceae XXV. *Brittonia*, **2018**, 70, 418-426	0.5	12
29	Environmental filtering of eudicot lineages underlies phylogenetic clustering in tropical South American flooded forests. *Oecologia*, **2017**, 183, 327-335	2.9	11
28	Importance of dispersal in the assembly of the Neotropical biota. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 5829-5831	11.5	11
27	Reestablishment of Protium cordatum (Burseraceae) based on integrative taxonomy. *Taxon*, **2019**, 68, 34-46	0.8	10
26	Divergent Secondary Metabolites and Habitat Filtering Both Contribute to Tree Species Coexistence in the Peruvian Amazon. *Frontiers in Plant Science*, **2018**, 9, 836	6.2	10
25	Habitat-specific divergence of procyanidins in Protium subserratum (Burseraceae). *Chemoecology*, **2015**, 25, 293-302	2	9
24	Incorporating phylogenetic information for the definition of floristic districts in hyperdiverse Amazon forests: Implications for conservation. *Ecology and Evolution*, **2017**, 7, 9639-9650	2.8	8
23	The Role of Natural Enemies in the Germination and Establishment of Pachira (Malvaceae) Trees in the Peruvian Amazon. *Biotropica*, **2011**, 43, 265-269	2.3	7
22	Phylogenetic Overdispersion in Lepidoptera Communities of Amazonian White-sand Forests. *Biotropica*, **2016**, 48, 101-109	2.3	6
21	Does nitrogen availability have greater control over the formation of tropical heath forests than water stress?A hypothesis based on nitrogen isotope ratios. *Acta Amazonica*, **2011**, 41, 589-592	0.8	6
20	Natural selection maintains species despite frequent hybridization in the desert shrub. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 33373-33383	11.5	6
19	Neotropical White-sand Forests: Origins, Ecology and Conservation of a Unique Rain Forest Environment. *Biotropica*, **2016**, 48, 5-6	2.3	6
18	Genomic and phenotypic divergence unveil microgeographic adaptation in the Amazonian hyperdominant tree Eperua falcata Aubl. (Fabaceae). *Molecular Ecology*, **2021**, 30, 1136-1154	5.7	6
17	An oxidized squalene derivative from Protium subserratum Engl. (Engl.) growing in Peru. *Molecules*, **2012**, 17, 7451-7	4.8	5
16	Population Genetic Structure of California Hazelnut, An Important Food Source for People in Quiroste Valley in the Late Holocene. *California Archaeology*, **2013**, 5, 353-370	0.1	5

15	Amazon tree dominance across forest strata. *Nature Ecology and Evolution*, **2021**, 5, 757-767	12.3	5
14	Exploring the links between secondary metabolites and leaf spectral reflectance in a diverse genus of Amazonian trees. *Ecosphere*, **2021**, 12, e03362	3.1	5
13	The Amazonas-trap: a new method for sampling plant-inhabiting arthropod communities in tropical forest understory. *Entomologia Experimentalis Et Applicata*, **2019**, 167, 534-543	2.1	4
12	Revisiting the hyperdominance of Neotropical tree species under a taxonomic, functional and evolutionary perspective. *Scientific Reports*, **2021**, 11, 9585	4.9	4
11	Leaf Transcriptome Assembly of (Burseraceae) and Annotation of Terpene Biosynthetic Genes. *Genes*, **2019**, 10,	4.2	3
10	Plant ontogeny, spatial distance, and soil type influence patterns of relatedness in a common Amazonian tree. *PLoS ONE*, **2013**, 8, e62639	3.7	3
9	The contribution of multiple barriers to reproduction between edaphically divergent lineages in the Amazonian tree (Burseraceae). *Ecology and Evolution*, **2020**, 10, 6646-6663	2.8	3
8	Microsatellite primers for an Amazonian lowland tropical tree, Protium subserratum (Burseraceae). *American Journal of Botany*, **2012**, 99, e465-7	2.7	2
7	Sesenta y cuatro nuevos registros para la flora del Per a trav s de inventarios biol gicos r pidos en la Amazon a peruana. *Revista Peruana De Biologia*, **2019**, 26, 379-392	1.2	2
6	THE GROWTH DEFENSE TRADE-OFF AND HABITAT SPECIALIZATION BY PLANTS IN AMAZONIAN FORESTS **2006**, 87, S150		2
5	Genomic and phenotypic divergence unveil microgeographic adaptation in the Amazonian hyperdominant tree Eperua falcata Aubl. (Fabaceae)		2
4	The contribution of environmental and dispersal filters on phylogenetic and taxonomic beta diversity patterns in Amazonian tree communities. *Oecologia*, **2021**, 196, 1119-1137	2.9	2
3	Biogeographic history and habitat specialization shape floristic and phylogenetic composition across Amazonian forests. *Ecological Monographs*, **2021**, 91, e01473	9	1
2	A review of Neotropical Burseraceae. *Revista Brasileira De Botanica*,1	1.2	0
1	Certification of a agroforestry increases the conservation potential of the Amazonian tree flora. *Agroforestry Systems*, **2022**, 96, 407	2	0