Yves F Basset

List of Publications by Year
in descending order

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117 papers	9,160 citations	44042 48 h-index	43868 91 g-index
122 all docs	122 docs citations	122 times ranked	9291 citing authors

#	Article	IF	Citations
1	Low host specificity of herbivorous insects in a tropical forest. Nature, 2002, 416, 841-844.	13.7	588
2	<scp>CTFS</scp>â€Forest<scp>GEO</scp>: a worldwide network monitoring forests in an era of global change. Global Change Biology, 2015, 21, 528-549.	4.2	473
3	Why Are There So Many Species of Herbivorous Insects in Tropical Rainforests?. Science, 2006, 313, 1115-1118.	6.0	469
4	The global distribution of diet breadth in insect herbivores. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 442-447.	3.3	454
5	Arthropod Diversity in a Tropical Forest. Science, 2012, 338, 1481-1484.	6.0	445
6	Rare species in communities of tropical insect herbivores: pondering the mystery of singletons. Oikos, 2000, 89, 564-572.	1.2	393
7	Higher predation risk for insect prey at low latitudes and elevations. Science, 2017, 356, 742-744.	6.0	353
8	Host specificity of insect herbivores in tropical forests. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 1083-1090.	1.2	289
9	Interpreting insect declines: seven challenges and a way forward. Insect Conservation and Diversity, 2020, 13, 103-114.	1.4	271
10	Guildâ€specific patterns of species richness and host specialization in plantâ€“herbivore food webs from a tropical forest. Journal of Animal Ecology, 2010, 79, 1193-1203.	1.3	261
11	Low beta diversity of herbivorous insects in tropical forests. Nature, 2007, 448, 692-695.	13.7	227
12	Insects on Plants: Diversity of Herbivore Assemblages Revisited. Annual Review of Ecology, Evolution, and Systematics, 2005, 36, 597-620.	3.8	225
13	Quantifying Uncertainty in Estimation of Tropical Arthropod Species Richness. American Naturalist, 2010, 176, 90-95.	1.0	199
14	The database of the <scp>PREDICTS</scp> (Projecting Responses of Ecological Diversity In Changing) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.8	186
15	International scientists formulate a roadmap for insect conservation and recovery. Nature Ecology and Evolution, 2020, 4, 174-176.	3.4	176
16	PHYLOGENETIC DISPERSION OF HOST USE IN A TROPICAL INSECT HERBIVORE COMMUNITY. Ecology, 2006, 87, S62-S75.	1.5	171
17	ForestGEO: Understanding forest diversity and dynamics through a global observatory network. Biological Conservation, 2021, 253, 108907.	1.9	122
18	Alternative Predator Avoidance Syndromes of Stream-Dwelling Mayfly Larvae. Ecology, 1996, 77, 1888-1905.	1.5	110

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19	Seasonality of sap-sucking insects (Auchenorrhyncha, Hemiptera) feeding on Ficus (Moraceae) in a lowland rain forest in New Guinea. Oecologia, 1998, 115, 514-522.	0.9	102
20	Arthropod Distribution in a Tropical Rainforest: Tackling a Four Dimensional Puzzle. PLoS ONE, 2015, 10, e0144110.	1.1	102
21	The jumping plant-lice (Hemiptera, Psylloidea) associated with Schinus (Anacardiaceae): systematics, biogeography and host plant relationships. Journal of Natural History, 2000, 34, 57-155.	0.2	97
22	Invertebrates in the canopy of tropical rain forests How much do we really know?. Plant Ecology, 2001, 153, 87-107.	0.7	96
23	Predicting bee community responses to land-use changes: Effects of geographic and taxonomic biases. Scientific Reports, 2016, 6, 31153.	1.6	92
24	Host specialization of leaf-chewing insects in a New Guinea rainforest. Journal of Animal Ecology, 2002, 71, 400-412.	1.3	90
25	Stratification and diel activity of arthropods in a lowland rainforest in Gabon. Biological Journal of the Linnean Society, 2001, 72, 585-607.	0.7	89
26	Toward a world that values insects. Science, 2019, 364, 1230-1231.	6.0	89
27	Abundance and stratification of foliage arthropods in a lowland rain forest of Cameroon. Ecological Entomology, 1992, 17, 310-318.	1.1	88
28	Host specificity of arboreal and free-living insect herbivores in rain forests. Biological Journal of the Linnean Society, 1992, 47, 115-133.	0.7	85
29	Short-term effects of canopy openness on insect herbivores in a rain forest in Guyana. Journal of Applied Ecology, 2001, 38, 1045-1058.	1.9	80
30	Conservation and biological monitoring of tropical forests: the role of parataxonomists. Journal of Applied Ecology, 2004, 41, 163-174.	1.9	80
31	Community structure of insect herbivores is driven by conservatism, escalation and divergence of defensive traits in Ficus. Ecology Letters, 2018, 21, 83-92.	3.0	80
32	Species number, species abundance and body length of arboreal arthropods associated with an Australian rainforest tree. Ecological Entomology, 1991, 16, 391-402.	1.1	77
33	Monitoring arthropods in a tropical landscape: relative effects of sampling methods and habitat types on trap catches. Journal of Insect Conservation, 2009, 13, 103-118.	0.8	77
34	Gallâ€forming and freeâ€feeding herbivory along vertical gradients in a lowland tropical rainforest: the importance of leaf sclerophylly. Ecography, 2007, 30, 663-672.	2.1	73
35	Local Communities of Arboreal Herbivores in Papua New Guinea: Predictors of Insect Variables. Ecology, 1996, 77, 1906-1919.	1.5	71
36	Communities of insect herbivores foraging on saplings versus mature trees of Pourouma bicolor (Cecropiaceae) in Panama. Oecologia, 2001, 129, 253-260.	0.9	70

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37	Habitat and successional status of plants in relation to the communities of their leaf-chewing herbivores in Papua New Guinea. Journal of Ecology, 2001, 89, 186-199.	1.9	70
38	The Taxonomic Composition of the Arthropod Fauna Associated With an Australian Rain-Forest Tree. Australian Journal of Zoology, 1991, 39, 171.	0.6	67
39	Quantifying Biodiversity: Experience with Parataxonomists and Digital Photography in Papua New Guinea and Guyana. BioScience, 2000, 50, 899.	2.2	67
40	Species richness of insect herbivore communities on Ficus in Papua New Guinea. Biological Journal of the Linnean Society, 1999, 67, 477-499.	0.7	64
41	No tree an island: the plant-caterpillar food web of a secondary rain forest in New Guinea. Ecology Letters, 2004, 7, 1090-1100.	3.0	64
42	How many species of host-specific insects feed on a species of tropical tree?. Biological Journal of the Linnean Society, 1996, 59, 201-216.	0.7	62
43	Discriminatory power of different arthropod data sets for the biological monitoring of anthropogenic disturbance in tropical forests. Biodiversity and Conservation, 2004, 13, 709-732.	1.2	62
44	Vertical stratification of leaf-beetle assemblages (Coleoptera: Chrysomelidae) in two forest types in Panama. Journal of Tropical Ecology, 2005, 21, 329-336.	0.5	59
45	Predictably simple: assemblages of caterpillars (Lepidoptera) feeding on rainforest trees in Papua New Guinea. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 2337-2344.	1.2	55
46	Predation risk for herbivorous insects on tropical vegetation: A search for enemy-free space and time. Austral Ecology, 1999, 24, 477-483.	0.7	51
47	Changes in Arthropod Assemblages along a Wide Gradient of Disturbance in Gabon. Conservation Biology, 2008, 22, 1552-1563.	2.4	51
48	Estimating global arthropod species richness: refining probabilistic models using probability bounds analysis. Oecologia, 2013, 171, 357-365.	0.9	51
49	The Spatial Distribution of Herbivory, Mines and Galls Within an Australian Rain Forest Tree. Biotropica, 1991, 23, 271.	0.8	50
50	Influence of leaf traits on the spatial distribution of insect herbivores associated with an overstorey rainforest tree. Oecologia, 1991, 87, 388-393.	0.9	49
51	Assessing the impact of forest disturbance on tropical invertebrates: some comments. Journal of Applied Ecology, 1998, 35, 461-466.	1.9	49
52	An altitudinal comparison of caterpillar (Lepidoptera) assemblages on Ficus trees in Papua New Guinea. Journal of Biogeography, 2005, 32, 1303-1314.	1.4	48
53	Diversity and abundance of insect herbivores foraging on seedlings in a rainforest in Guyana. Ecological Entomology, 1999, 24, 245-259.	1.1	47
54	Colonising aliens: caterpillars (Lepidoptera) feeding on Piper aduncum and P.â€ƒumbellatum in rainforests of Papua New Guinea. Ecological Entomology, 2003, 28, 704-716.	1.1	47

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55	Insects on Plants: Explaining the Paradox of Low Diversity within Specialist Herbivore Guilds. American Naturalist, 2012, 179, 351-362.	1.0	47
56	A COMPOSITE INTERCEPTION TRAP FOR SAMPLING ARTHROPODS IN TREE CANOPIES. Australian Journal of Entomology, 1988, 27, 213-219.	1.1	46
57	Whole-ecosystem experimental manipulations of tropical forests. Trends in Ecology and Evolution, 2015, 30, 334-346.	4.2	46
58	The seasonality of arboreal arthropods foraging within an Australian rainforest tree. Ecological Entomology, 1991, 16, 265-278.	1.1	45
59	Local Species Richness of Leaf-Chewing Insects Feeding on Woody Plants from One Hectare of a Lowland Rainforest. Conservation Biology, 2004, 18, 227-237.	2.4	44
60	The arthropod community of an Australian rainforest tree: Abundance of component taxa, species richness and guild structure. Austral Ecology, 1992, 17, 89-98.	0.7	42
61	Vertical stratification of moths across elevation and latitude. Journal of Biogeography, 2016, 43, 59-69.	1.4	40
62	Body size and host plant specialization: a relationship from a community of herbivorous insects on Ficus from Papua New Guinea. Journal of Tropical Ecology, 1999, 15, 315-328.	0.5	39
63	The Butterflies of Barro Colorado Island, Panama: Local Extinction since the 1930s. PLoS ONE, 2015, 10, e0136623.	1.1	39
64	Leaf production of an overstorey rainforest tree and its effects on the temporal distribution of associated insect herbivores. Oecologia, 1991, 88, 211-219.	0.9	38
65	Choice of metrics for studying arthropod responses to habitat disturbance: one example from Gabon. Insect Conservation and Diversity, 2008, 1, 55-66.	1.4	38
66	Insect conservation: finding the way forward. Insect Conservation and Diversity, 2008, 1, 67-69.	1.4	36
67	Crossâ€continental comparisons of butterfly assemblages in tropical rainforests: implications for biological monitoring. Insect Conservation and Diversity, 2013, 6, 223-233.	1.4	36
68	Influence of leaf traits on the spatial distribution of arboreal arthropods within an overstorey rainforest tree. Ecological Entomology, 1992, 17, 8-16.	1.1	32
69	A highly resolved food web for insect seed predators in a speciesâ€rich tropical forest. Ecology Letters, 2019, 22, 1638-1649.	3.0	32
70	Diel activity of arboreal arthropods associated with Papua New Guinean trees. Journal of Natural History, 1996, 30, 101-112.	0.2	28
71	Research needs in insect conservation and diversity. Insect Conservation and Diversity, 2010, 3, 1-4.	1.4	27
72	Variably hungry caterpillars: predictive models and foliar chemistry suggest how to eat a rainforest. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20171803.	1.2	25

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73	Invertebrates in the canopy of tropical rain forests How much do we really know?. Forestry Sciences, 2001, , 87-107.	0.4	24
74	Comparison of rainforest butterfly assemblages across three biogeographical regions using standardized protocols. The Journal of Research on the Lepidoptera, 2011, 44, 17-28.	0.1	22
75	Circle the bandwagons â€“ challenges mount against the theoretical foundations of applied functional trait and ecosystem service research. Insect Conservation and Diversity, 2016, 9, 1-3.	1.4	21
76	Phylogenetic trophic specialization: a robust comparison of herbivorous guilds. Oecologia, 2017, 185, 551-559.	0.9	21
77	The Saturniidae of Barro Colorado Island, Panama: A model taxon for studying the longâ€term effects of climate change?. Ecology and Evolution, 2017, 7, 9991-10004.	0.8	20
78	Quantitative assessment of plant-arthropod interactions in forest canopies: A plot-based approach. PLoS ONE, 2019, 14, e0222119.	1.1	20
79	High specialization and limited structural change in plantâ€herbivore networks along a successional chronosequence in tropical montane forest. Ecography, 2019, 42, 162-172.	2.1	19
80	Influence of local illumination and plant composition on the spatial and seasonal distribution of litter-dwelling arthropods in a tropical rainforest. Pedobiologia, 2007, 51, 131-145.	0.5	18
81	Saproxylic beetles in tropical and temperate forests â€“ A standardized comparison of vertical stratification patterns. Forest Ecology and Management, 2019, 444, 50-58.	1.4	18
82	Insect herbivores foraging on seedlings in an unlogged rain forest in Guyana: spatial and temporal considerations. Studies on Neotropical Fauna and Environment, 2000, 35, 115-129.	0.5	16
83	Diversity and recent population trends of assassin bugs (Hemiptera: Reduviidae) on Barro Colorado Island, Panama. Insect Conservation and Diversity, 2016, 9, 546-558.	1.4	16
84	Monitoring tropical insects in the 21st century. Advances in Ecological Research, 2020, 62, 295-330.	1.4	15
85	An annotated list of insect herbivores foraging on the seedlings of five forest trees in Guyana. Neotropical Entomology, 2000, 29, 433-452.	0.2	13
86	Diel activity of arboreal arthropods associated with a rainforest tree. Journal of Natural History, 1992, 26, 947-952.	0.2	12
87	A crossâ€continental comparison of assemblages of seedâ€and fruitâ€feeding insects in tropical rain forests: Faunal composition and rates of attack. Journal of Biogeography, 2018, 45, 1395-1407.	1.4	12
88	Arthropod diversity and the future of allâ€taxa inventories. Insect Conservation and Diversity, 2013, 6, 1-4.	1.4	10
89	How to avoid the top ten pitfalls in insect conservation and diversity research and minimise your chances of manuscript rejection. Insect Conservation and Diversity, 2014, 7, 1-3.	1.4	10
90	Effects of sclerophylly and host choice on gall densities and herbivory distribution in an Australian subtropical forest. Austral Ecology, 2016, 41, 219-226.	0.7	10

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91	Don't be a zeroâ€sum reviewer. Insect Conservation and Diversity, 2017, 10, 1-4.	1.4	10
92	Host specificity and interaction networks of insects feeding on seeds and fruits in tropical rainforests. Oikos, 2021, 130, 1462-1476.	1.2	10
93	More winners than losers over 12 years of monitoring tiger moths (Erebidae: Arctiinae) on Barro Colorado Island, Panama. Biology Letters, 2022, 18, 20210519.	1.0	10
94	Contrasting the distribution of butterflies and termites in plantations and tropical forests. Biodiversity and Conservation, 2017, 26, 151-176.	1.2	9
95	An entomocentric view of the Janzenâ€“Connell hypothesis. Insect Conservation and Diversity, 2019, 12, 1-8.	1.4	9
96	Density of Insect Galls in the Forest Understorey and Canopy: Neotropical, Gondwana or Global Patterns?. , 2014, , 129-141.		9
97	Longâ€term (1979â€“2019) dynamics of protected orchid bees in Panama. Conservation Science and Practice, 2021, 3, e543.	0.9	8
98	Review of the Neotropical genusOronoquaFennah, 1947 (Insecta, Hemiptera, Issidae). Zoosystema, 2010, 32, 247-257.	0.2	7
99	How many species of host-specific insects feed on a species of tropical tree?. Biological Journal of the Linnean Society, 1996, 59, 201-216.	0.7	7
100	Comparison of traditional and DNA metabarcoding samples for monitoring tropical soil arthropods (Formicidae, Collembola and Isoptera). Scientific Reports, 2022, 12, .	1.6	7
101	Visions for insect conservation and diversity: spanning the gap between practice and theory. Insect Conservation and Diversity, 2009, 2, 1-4.	1.4	6
102	Methodological considerations for monitoring soil/litter arthropods in tropical rainforests using DNA metabarcoding, with a special emphasis on ants, springtails and termites. Metabarcoding and Metagenomics, 0, 4, .	0.0	6
103	The role of herbivorous insects and pathogens in the regeneration dynamics of Guazuma ulmifolia in Panama. Nature Conservation, 0, 32, 81-101.	0.0	6
104	Host Records for Tortricidae (Lepidoptera) Reared from Seeds and Fruits in a Thailand Rainforest. Proceedings of the Entomological Society of Washington, 2019, 121, 544.	0.0	6
105	Aggregation and synecology of arboreal arthropods associated with an overstorey rain forest tree in Australia. Journal of Tropical Ecology, 1992, 8, 317-327.	0.5	5
106	Insect Conservation and Diversity â€“ a new journal for the Royal Entomological Society. Insect Conservation and Diversity, 2008, 1, 1-1.	1.4	5
107	Faunal turnover of arthropod assemblages along a wide gradient of disturbance in Gabon. African Entomology, 2008, 16, 47-59.	0.6	5
108	Assemblages of fruit flies (Diptera: Tephritidae) along an elevational gradient in the rainforests of Papua New Guinea. Insect Conservation and Diversity, 2021, 14, 348-355.	1.4	5

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109	Male ant reproductive investment in a seasonal wet tropical forest: Consequences of future climate change. PLoS ONE, 2022, 17, e0266222.	1.1	5
110	Insect assemblages attacking seeds and fruits in a rainforest in Thailand. Entomological Science, 2019, 22, 137-150.	0.3	4
111	Spatial and functional structure of an entire ant assemblage in a lowland Panamanian rainforest. Basic and Applied Ecology, 2021, 56, 32-44.	1.2	4
112	Enemy-free space and the distribution of ants, springtails and termites in the soil of one tropical rainforest. European Journal of Soil Biology, 2020, 99, 103193.	1.4	4
113	Interâ€annual monitoring improves diversity estimation of tropical butterfly assemblages. Biotropica, 2019, 51, 519-528.	0.8	3
114	Insect Conservation and Diversity- making an impact. Insect Conservation and Diversity, 2011, 4, 1-1.	1.4	2
115	Expanding horizons and widening participation in Insect Conservation and Diversity. Insect Conservation and Diversity, 2015, 8, 1-2.	1.4	2
116	The insectâ€focused classification of fruit syndromes in tropical rain forests: An interâ€continental comparison. Biotropica, 2019, 51, 39-49.	0.8	2
117	Host Records for Tortricidae (Lepidoptera) Reared from Seeds and Fruits in Panama. Proceedings of the Entomological Society of Washington, 2020, 122, 12.	0.0	1