

# Yoann Le Bagousse-Pinguet

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5084129/publications.pdf>

Version: 2024-02-01

38  
papers

4,397  
citations

172457

29  
h-index

315739

38  
g-index

41  
all docs

41  
docs citations

41  
times ranked

6727  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | TRY plant trait database “ enhanced coverage and open access. <i>Global Change Biology</i> , 2020, 26, 119-188.  | 9.5 | 1,038     |
| 2  | A global meta-analysis of the relative extent of intraspecific trait variation in plant communities. <i>Ecology Letters</i> , 2015, 18, 1406-1419.   | 6.4 | 768       |
| 3  | Functional trait diversity maximizes ecosystem multifunctionality. <i>Nature Ecology and Evolution</i> , 2017, 1, 0132-132.  | 7.8 | 277       |
| 4  | Phylogenetic, functional, and taxonomic richness have both positive and negative effects on ecosystem multifunctionality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 8419-8424. | 7.1 | 199       |
| 5  | Functional diversity enhances the resistance of ecosystem multifunctionality to aridity in Mediterranean drylands. <i>New Phytologist</i> , 2015, 206, 660-671.  | 7.3 | 167       |
| 6  | Two alternatives to the stress gradient hypothesis at the edge of life: the collapse of facilitation and the switch from facilitation to competition. <i>Journal of Vegetation Science</i> , 2014, 25, 609-613.                          | 2.2 | 157       |
| 7  | Testing the environmental filtering concept in global drylands. <i>Journal of Ecology</i> , 2017, 105, 1058-1069.  | 4.0 | 156       |
| 8  | Biogeography of global drylands. <i>New Phytologist</i> , 2021, 231, 540-558.  | 7.3 | 145       |
| 9  | Uncovering multiscale effects of aridity and biotic interactions on the functional structure of Mediterranean shrublands. <i>Journal of Ecology</i> , 2013, 101, 637-649.  | 4.0 | 131       |
| 10 | Soil fungal abundance and plant functional traits drive fertile island formation in global drylands. <i>Journal of Ecology</i> , 2018, 106, 242-253.   | 4.0 | 123       |
| 11 | Evaluating Functional Diversity: Missing Trait Data and the Importance of Species Abundance Structure and Data Transformation. <i>PLoS ONE</i> , 2016, 11, e0149270.   | 2.5 | 94        |
| 12 | Land-use history impacts functional diversity across multiple trophic groups. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 1573-1579.   | 7.1 | 89        |
| 13 | A global analysis of bidirectional interactions in alpine plant communities shows facilitators experiencing strong reciprocal fitness costs. <i>New Phytologist</i> , 2014, 202, 95-105.   | 7.3 | 79        |
| 14 | Indirect facilitation promotes macrophyte survival and growth in freshwater ecosystems threatened by eutrophication. <i>Journal of Ecology</i> , 2012, 100, 530-538.   | 4.0 | 68        |
| 15 | Habitat filtering determines the functional niche occupancy of plant communities worldwide. <i>Journal of Ecology</i> , 2018, 106, 1001-1009.  | 4.0 | 66        |
| 16 | The interplay of stress and mowing disturbance for the intensity and importance of plant interactions in dry calcareous grasslands. <i>Annals of Botany</i> , 2012, 110, 821-828.  | 2.9 | 62        |
| 17 | Species richness of limestone grasslands increases with trait overlap: evidence from within- and between-species functional diversity partitioning. <i>Journal of Ecology</i> , 2014, 102, 466-474.                                      | 4.0 | 57        |
| 18 | SGH: stress or strain gradient hypothesis? Insights from an elevation gradient on the roof of the world. <i>Annals of Botany</i> , 2017, 120, 29-38.   | 2.9 | 56        |

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|----|--|------|-----------|
| 19 | Release from competition and protection determine the outcome of plant interactions along a grazing gradient. <i>Oikos</i> , 2012, 121, 95-101.  | 2.7  | 51        |
| 20 | Aridity preferences alter the relative importance of abiotic and biotic drivers on plant species abundance in global drylands. <i>Journal of Ecology</i> , 2019, 107, 190-202.                   | 4.0  | 51        |
| 21 | Comment on "Productivity Is a Poor Predictor of Plant Species Richness". <i>Science</i> , 2012, 335, 1441-1441.  | 12.6 | 49        |
| 22 | Importance, but not intensity of plant interactions relates to species diversity under the interplay of stress and disturbance. <i>Oikos</i> , 2014, 123, 777-785.                               | 2.7  | 48        |
| 23 | Functional rarity and evenness are key facets of biodiversity to boost multifunctionality. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1  | 46        |
| 24 | The role of biotic interactions for the early establishment of oak seedlings in coastal dune forest communities. <i>Forest Ecology and Management</i> , 2013, 297, 67-74.                        | 3.2  | 45        |
| 25 | Effects of long- and short-term management on the functional structure of meadows through species turnover and intraspecific trait variability. <i>Oecologia</i> , 2016, 180, 941-950.           | 2.0  | 42        |
| 26 | Disentangling the effects of water and nutrients for studying the outcome of plant interactions in sand dune ecosystems. <i>Journal of Vegetation Science</i> , 2013, 24, 375-383.               | 2.2  | 40        |
| 27 | Traits of neighbouring plants and space limitation determine intraspecific trait variability in semi-arid shrublands. <i>Journal of Ecology</i> , 2015, 103, 1647-1657.                          | 4.0  | 39        |
| 28 | The relative contribution of short-term versus long-term effects in shrub-understorey species interactions under arid conditions. <i>Oecologia</i> , 2016, 180, 529-542.                         | 2.0  | 34        |
| 29 | Facilitation displaces hotspots of diversity and allows communities to persist in heavily stressed and disturbed environments. <i>Journal of Vegetation Science</i> , 2014, 25, 66-76.           | 2.2  | 33        |
| 30 | Linkage of plant trait space to successional age and species richness in boreal forest understorey vegetation. <i>Journal of Ecology</i> , 2015, 103, 1610-1620.                                 | 4.0  | 32        |
| 31 | Divergent above- and below-ground biodiversity pathways mediate disturbance impacts on temperate forest multifunctionality. <i>Global Change Biology</i> , 2021, 27, 2883-2894.                  | 9.5  | 30        |
| 32 | Phenotypic differentiation within a foundation grass species correlates with species richness in a subalpine community. <i>Oecologia</i> , 2014, 176, 533-544.                                   | 2.0  | 25        |
| 33 | Trait-mediated effect of arbuscular mycorrhiza on the competitive effect and response of a monopolistic species. <i>Functional Ecology</i> , 2010, 24, 1122-1132.                                | 3.6  | 22        |
| 34 | Integrating climate change into calcareous grassland management. <i>Journal of Applied Ecology</i> , 2012, 49, 795-802.  | 4.0  | 21        |
| 35 | Unveiling ecological assembly rules from commonalities in trait distributions. <i>Ecology Letters</i> , 2021, 24, 1668-1680.   | 6.4  | 21        |
| 36 | A multi-scale approach reveals random phylogenetic patterns at the edge of vascular plant life. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2018, 30, 22-30.               | 2.7  | 11        |

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|----|--|-----|-----------|
| 37 | Complementary Sex Determination in the Parasitic Wasp <i>Diachasmimorpha longicaudata</i> . PLoS ONE, 2015, 10, e0119619.                | 2.5 | 11        |
| 38 | Intransitivity increases plant functional diversity by limiting dominance in drylands worldwide. Journal of Ecology, 2019, 107, 240-252. | 4.0 | 8         |